L&L

Luce&Light

LIGHT UP YOUR PROJECTS

L&L

Luce&Light



LIGHTS UP ON L&L

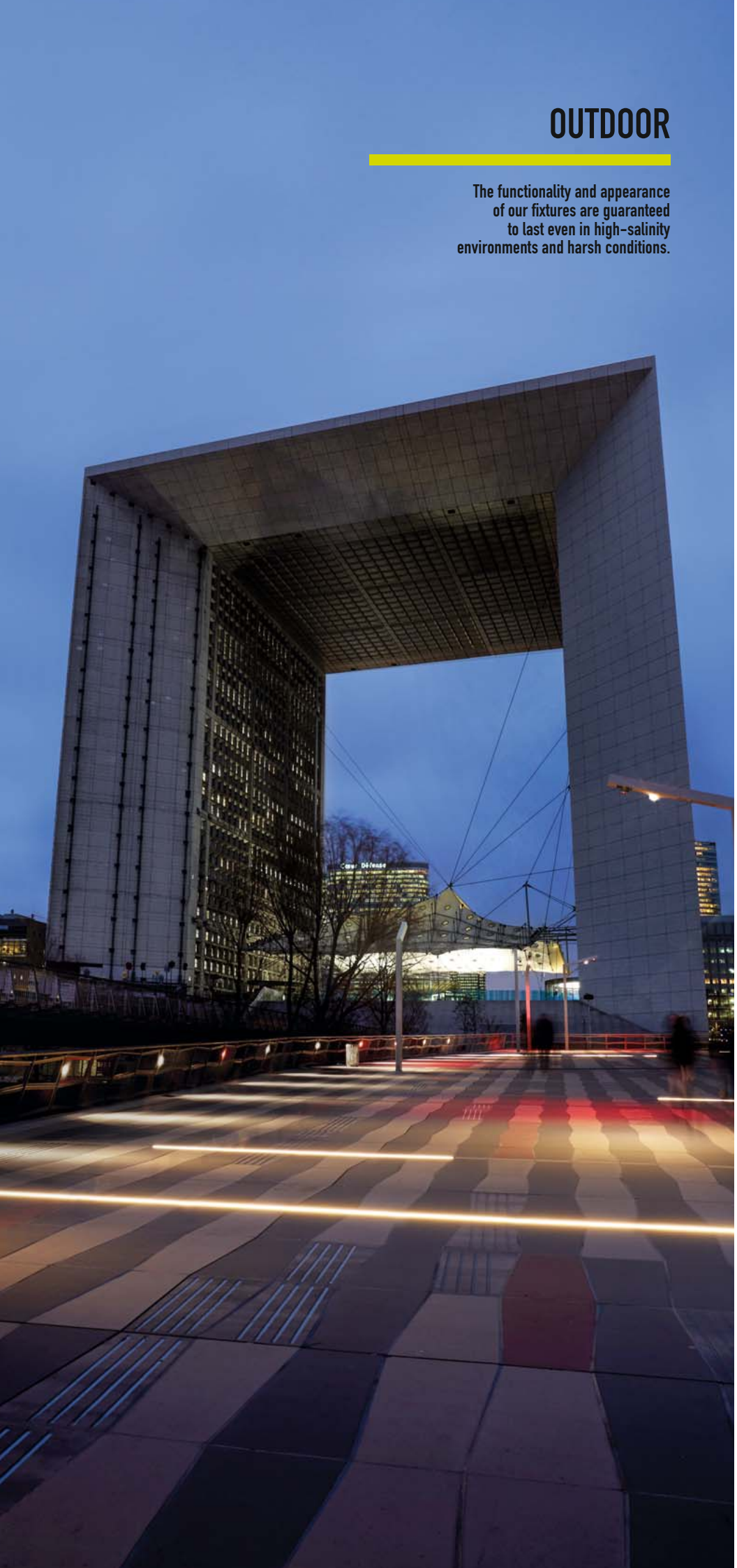
LIGHTING UP ARCHITECTURE SINCE 2007

**Designing and producing lighting systems
using LED technology is our speciality.**

**We are proud to be an authentic example, established in 2007,
of the Made in Italy branding, with a flair for innovation
and a profound appreciation of architectural projects.
Our lighting fixtures integrate perfectly with
both outdoor and indoor spaces and surfaces
to recreate natural architectural illumination.
All our products are designed at our headquarters in Vicenza, Veneto,
where our meticulous creative process guarantees the highest
possible quality and the greatest, long-lasting reliability.**

OUTDOOR

The functionality and appearance of our fixtures are guaranteed to last even in high-salinity environments and harsh conditions.





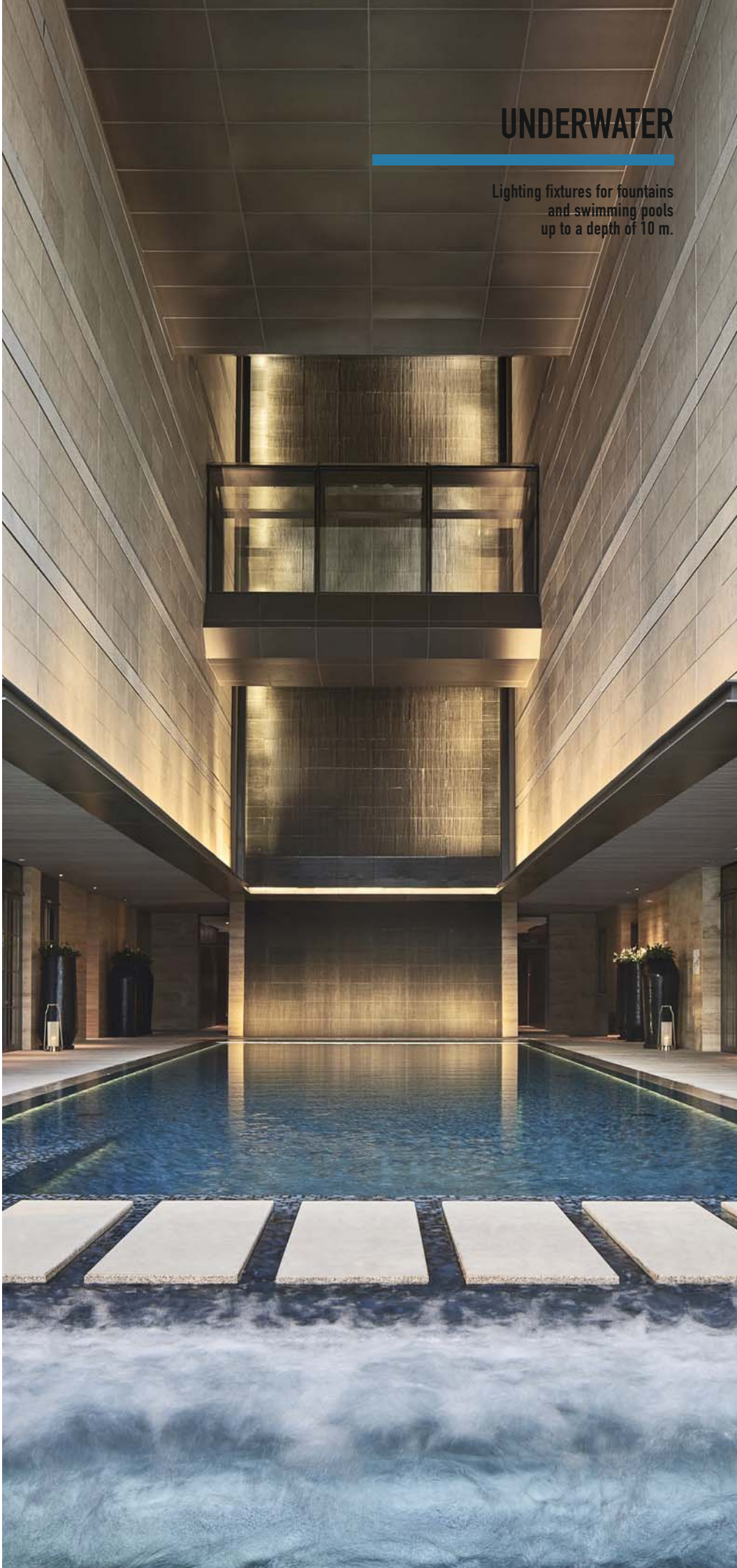
INDOOR

The compact dimensions of our fixtures mean they can be perfectly integrated into any architectural context to enhance its structural elements.



UNDERWATER

Lighting fixtures for fountains and swimming pools up to a depth of 10 m.



OUTDOOR RECESSED

SMOOTHY

24Vdc
max 700mA
minimal trim
optical range
drive-over or walk-over
2-13W



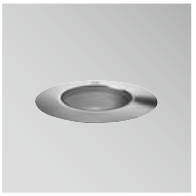
1.0 / 1.6
fixed
P. 50



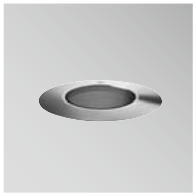
2.4
fixed - RGB
P. 51



2.8
tiltable
P. 52



5.4
fixed
P. 54



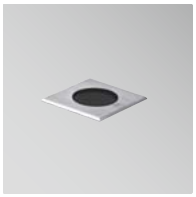
5.6
tiltable - RGB
P. 55

BRIGHT

12Vac / 12Vdc / 24Vdc
max 500mA
range of dimensions
drive-over or walk-over
optical range
0.5-20W



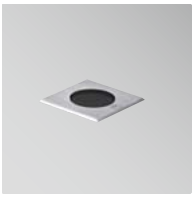
MINI 1.0
fixed
P. 60



MINI 1.0
fixed
P. 60



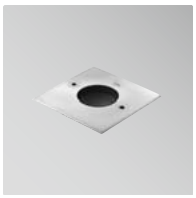
1.0 / 1.2 / 1.6 / 1.8
fixed - RGB
P. 62 / 63 / 64 / 65



1.1 / 1.7 / 1.9
fixed - RGB
P. 63 / 64 / 65



2.4 / 2.8
fixed / tiltable - RGB
P. 67 / 70



2.5 / 2.9
fixed / tiltable - RGB
P. 69 / 70



3.F / 3.G
fixed / tiltable
P. 72 / 73



3.H
fixed - RGBW
P. 73



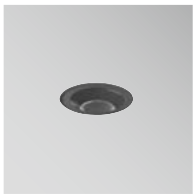
5.F / 5.G
fixed / tiltable
P. 74 / 75



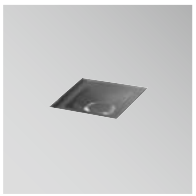
5.H
fixed - RGBW
P. 75

LITUS

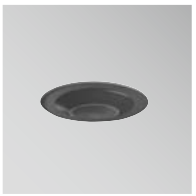
24Vdc
max 700mA
concealed
optical range
drive-over
2-13W



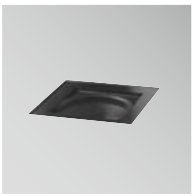
1.0 / 1.6
fixed
P. 82 / 83



1.1 / 1.7
fixed
P. 82 / 83



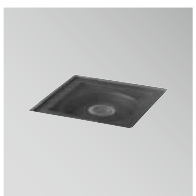
2.4
fixed - RGB
P. 84



2.5
fixed - RGB
P. 85



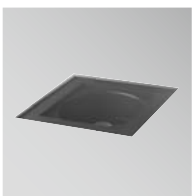
2.8
tiltable
P. 86



2.9
tiltable
P. 86



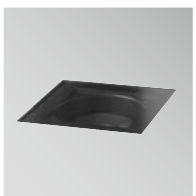
5.4
fixed
P. 87



5.5
fixed
P. 87



5.6
tiltable - RGB
P. 88



5.7
tiltable - RGB
P. 91

OUTDOOR RECESSED

CORSO

230Vac mains voltage
drive-over
3.5-21W



1.0
fixed
P. 98



2.0
fixed
P. 98



3.0
fixed
P. 99



4.0
fixed
P. 99

STRA

230Vac mains voltage
24Vdc
drive-over
25-39W



1.0
fixed
P. 106



2.0 / 4.0
adjustable
P. 106 / 107



3.0
two-way adjustability
P. 107



5.0
fixed - RGBW
P. 109

BEAM

orientation light



1.0
fixed - RGB
P.113

OUTDOOR LINEAR PROFILES

RIVER

230Vac mains voltage
48Vdc
integrated (no trim)
50 - 100 cm
optical range
drive-over



1.0 / 2.0

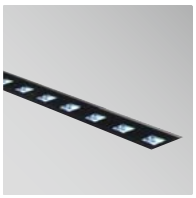
P. 122 / 124



1.1 / 2.1
wall washer
P. 123 / 125



1.2 / 2.2
diffuse optics
P. 123 / 125



4.0 / 5.0
RGBW - built-in DMX
P. 127

RIVER WALL

230Vac mains voltage
48Vdc
wall version
52 - 102 cm
optical range



1.0 / 2.0

P. 128 / 130



1.1 / 2.1
wall washer
P. 129 / 131



1.2 / 2.2
diffuse optics
P. 129 / 131



4.0 / 5.0
RGBW - built-in DMX
P. 133

NEVA

24Vdc
recessed or wall version
316 - 616/677 -
916/1037 - 1517/1758 mm
optical range



MINI 1 / 1.0 / 1.1 / 1.2
60 mm pitch
white
P. 140 / 141



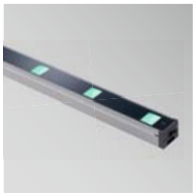
MINI 2 / 2.0 / 2.1 / 2.2
120 mm pitch
white
P. 142 / 143



MINI 5 / 5.0 / 5.1 / 5.2
120 mm pitch
RGB
P. 148 / 149



MINI 6 / 6.0 / 6.1 / 6.2
120 mm pitch
dynamic white
P. 150 / 151



MINI 7 / 7.0 / 7.1 / 7.2
120 mm pitch
RGBW
P. 152 / 153

230Vac mains voltage
recessed or wall version
616/677 - 916/1037 -
1517/1758 mm
optical range



3.0 / 3.1 / 3.2
60 mm pitch
white
P. 144 / 145



4.0 / 4.1 / 4.2
120 mm pitch
white
P. 146 / 147

RIO

24Vdc
integrated recessed version
260 - 510 -1010 -
1510 - 2010 mm
diffuse
drive-over
white light - RGB



1.0 / 1.1 / 1.2 / 1.3 / 1.4
L. 20 mm
P. 163 / 164 / 165



2.0 / 2.1 / 2.2 / 2.3 / 2.4
L. 37 mm
P. 167 / 168 / 169

OUTDOOR PROJECTORS

GINKO

24Vdc
max 500mA
range of dimensions
optical range
range of finishes
range of optical and
installation accessories
2.5-15W



1.0

P. 181



1.4
zoom lens
P. 181



2.0

P. 182



2.2
RGB
P. 183



2.4
zoom lens
P. 183



3.0

P. 185



3.4
zoom lens
P. 185

PIVOT

24Vdc
max 500mA
range of optical and
installation accessories
central bracket for
two-way adjustability
3.5-7W



1.7

P. 189



1.8
RGB
P. 190

AKRO

230Vac mains voltage
max 1050mA
range of optical accessories
detail lighting
37-43W



1.0
P. 198



1.1
P. 199



1.2
P. 199

OUTDOOR PROJECTORS

SIRI

230Vac mains voltage
24Vdc
range of dimensions
optical range
9-33W



1.0 / 1.2
RGBW
P. 206 / 207



1.1 / 1.3
RGBW
P. 206 / 207



2.0 / 2.2
RGBW
P. 208 / 209



2.1 / 2.3
RGBW
P. 208 / 209



3.0 / 3.2
RGBW
P. 210 / 211



3.1 / 3.3
RGBW
P. 210 / 211

SPOT

230Vac mains voltage
24Vdc
max 500mA
range of dimensions
2-15W



1.0 / 1.6
P. 217



2.4
P. 218



3.4
P. 219

FLORI

230Vac mains voltage
24Vdc
optical range
range of optical and
installation accessories
7-13W



1.0
P. 224



1.1
P. 225



1.2
RGBW
P. 226



1.3
RGBW
P. 227

KLEO

230Vac mains voltage
optical range
range of optical accessories
10-20W



1.0 / 2.0
P. 232 / 233



1.1 / 2.1
P. 232 / 233

OUTDOOR PROJECTORS

STRA P

230Vac mains voltage
24Vdc
optical range
37-39W



1.0

P. 237

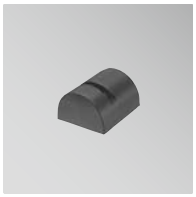


5.0
RGBW

P. 238

LYSS

230Vac mains voltage
24Vdc
for special lighting effects
3-19W



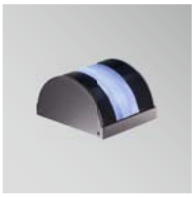
MINI 1.0

P. 244



1.0

P. 245



2.0
RGBW

P. 245

OUTDOOR WALL MOUNTED

INTONO

230Vac mains voltage
24Vdc
range of dimensions
optical range
range of finishes
range of optical accessories
3-19W per beam



1.1 / 1.2
single / double beam

P. 256



2.1 / 2.2
single / double beam

P. 259



3.1 / 3.2 / 3.9
single / double beam
with speaker

P. 260 / 261



4.1 / 4.2 / 4.9
single / double beam
with speaker

P. 262 / 263

GEKO

230Vac mains voltage
optical range
10-16W per beam



5.0 / 6.0
single / double beam
diffuse

P. 266 / 267



5.1 / 6.1
single / double beam

P. 266 / 267

KOCCA

230Vac mains voltage
optical range
4-18W per beam



1.1 / 1.2
single / double beam

P. 272



1.3 / 1.4
3/4 beams
asymmetrical

P. 273



3.1 / 3.2
single / double beam

P. 274 / 275



3.4
4 beams

P. 275

ELLA OUT

230Vac mains voltage
range of dimensions
range of finishes
123 - 208 - 294 mm
7-19W



1.0
diffuse
single beam

P. 280



2.0
diffuse
single beam

P. 281



3.0
diffuse
single beam

P. 281

UPDOWN

24Vdc - max 500mA
max 350mA
range of dimensions
6W per beam



3.0 / 3.6
RGB - constant voltage
constant current
single beam

P. 286



4.0 / 4.6
RGB - constant voltage
constant current
double beam

P. 287



6.0
constant current
double beam

P. 288



7.0
constant current
2/3/4 beams

P. 289

OUTDOOR WALL MOUNTED

BROM

max 500mA
optical range
stainless steel
2-6W per beam



1.0 / 3.0
single beam
P. 294 / 295



2.0 / 4.0
double beam
P. 294 / 295

CUBE W

max 350mA
max 500mA
3-6W



1.0 / 1.1
RGB
P. 299

OUTDOOR CEILING MOUNTED

ELLO OUT

230Vac mains voltage
range of finishes
7-19W



1.0
P. 308



2.0
P. 309



3.0
P. 309

CUBE C

max 350mA
max 500mA
optical range
minimalist solution
3-6W



1.2 / 1.3
RGB
P. 313

TAK

230Vac mains voltage
range of finishes
10-18W



1.0

P. 317



1.1
optical range
P. 317

OUTDOOR SUSPENDED

PALLADIANO

230Vac mains voltage
range of finishes
range of control systems
versatility
range of optical and
installation accessories
76-110W



1.1
P. 319

OUTDOOR STEP LIGHTS

RONDÒ

230Vac mains voltage
24Vdc
range of dimensions
optical range
range of finishes
drive-over
stainless steel
2-8W



1.1
single beam
P. 330



1.2
double beam
P. 331



2.1
single beam
P. 331



3.1
single beam
P. 332



3.2
double beam
P. 333



3.4
4 beams
P. 333

BEAM

max 350mA
max 500mA
24Vdc
range of finishes
stainless steel
2W per beam



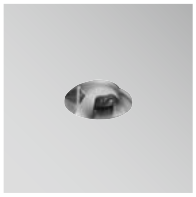
2.0 / 2.6
round
single / double beam
P. 338 / 339



2.1 / 2.7
square
single / double beam
P. 338 / 339

BRIGHT

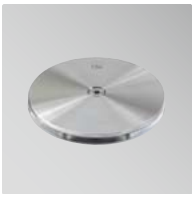
max 700mA - 24Vdc
range of dimensions
optical range
stainless steel
drive-over
2-4W



1.A / 1.B
P. 344



4.7
P. 347



9.7
P. 347

OUTDOOR STEP LIGHTS

PASITO

230Vac mains voltage
24Vdc
range of dimensions
optical range
range of finishes
5-10W



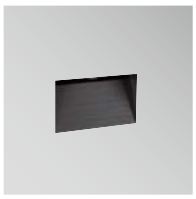
MINI 1.0
flush recessed
P. 354



MINI 1.1
recessed with frame
P. 355



MINI 1.2
surface mounted
P. 355



1.0
flush recessed
P. 356



1.1
recessed with frame
P. 357



1.2
surface mounted
P. 357

STEP OUTSIDE

max 500mA - 24Vdc
range of dimensions
range of finishes
2-3.5W



2.0 / 2.6
semi-recessed
P. 362 / 363



2.1 / 2.7
semi-recessed
P. 362 / 363



5.1
recessed
P. 365



5.2
recessed
P. 365



6.1
recessed
P. 366



6.2
recessed
P. 367



6.3
recessed
P. 367



7.0
surface mounted
P. 369



8.0
surface mounted
P. 369

OUTDOOR STEP LIGHTS

LIRA

230Vac mains voltage
range of finishes
6-12W



1.0
P. 375



2.0
P. 375

GOCCIA

max 350mA - 24Vdc
orientation light



2.0 / 2.6
RGB
P. 380 / 381



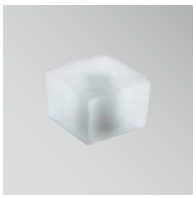
2.1 / 2.7
RGB
P. 380 / 381

ICE LED

max 350mA
range of dimensions
flowerbeds and gardens



1.0
P. 385



1.1
P. 385

BOLLARDS

PLIN

230Vac mains voltage
range of dimensions
optical range
range of finishes
8-24W



1.0
single beam

P. 394



1.1
single beam

P. 395



1.2
single beam

P. 395



2.0
single beam
asymmetrical diffuse

P. 396



2.1
single beam
asymmetrical diffuse

P. 397



2.2
single beam
asymmetrical diffuse

P. 397



3.0
double beam
asymmetrical diffuse

P. 398



3.1
double beam
asymmetrical diffuse

P. 399



3.2
double beam
asymmetrical diffuse

P. 399



4.0
single beam

P. 400



4.1
single beam

P. 401



4.2
single beam

P. 401



5.0
single beam

P. 402



5.1
single beam

P. 403



5.2
single beam

P. 403

LINEAR

230Vac mains voltage
range of finishes
range of installation
accessories
4-32W



2.1 / 2.2 / 2.3 / 2.4
1/2/3/4 beams

P. 408 / 409



4.1 / 4.2 / 4.4
1/2/4 beams

P. 410 / 411

BITTA

230Vac mains voltage
range of finishes
10-20W



1.0 / 1.1
single / double beam

P. 417

URBAN LIGHTING

PALLADIANO

230Vac mains voltage
range of finishes
range of control systems
versatility
range of optical and
installation accessories
38-55W



1.0
P. 425

SIRI BLVD

230Vac mains voltage
range of dimensions
optical range
range of control systems
38W



1.0
P. 430



2.0
P. 431



3.0
P. 431

INDOOR RECESSED

COMBINA D

max 300mA - max 800mA
modular
range of styles and dimensions
range of optical and installation accessories
range of CRI
6-29W



1.0 / 1.1
round/square
fixed/tiltable
P. 444



2.0 / 2.1
round/square
fixed/tiltable
P. 445



3.0 / 3.1
round/square
fixed/tiltable
P. 446



4.0 / 4.1
round/square
fixed/tiltable
P. 447

TURIS

230Vac mains voltage
24Vdc
range of dimensions
range of control systems
range of installation accessories
diffuse
4.5-30W



MINI 1.0

P. 456



MINI 1.1

P. 456



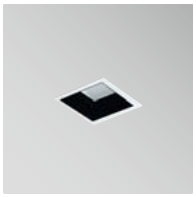
1.0

P. 458



1.1

P. 458



1.2
visual comfort
P. 459



1.3
visual comfort
P. 459



2.0 / 4.0
recessed flush with ceiling
P. 461 / 464



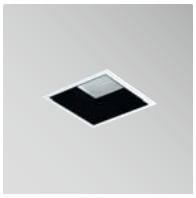
3.0

P. 462



3.1

P. 462



3.2
visual comfort
P. 463



3.3
visual comfort
P. 463



5.0

P. 465



5.1

P. 465



6.0 / 8.0
recessed flush with ceiling
P. 466 / 469



7.0
P. 467



7.1
P. 467

INDOOR RECESSED

BITPOP

230Vac mains voltage
24Vdc
great visual comfort
range of dimensions
range of control systems
range of installation accessories
6.5-50W



1.0
P. 474



2.1
P. 475



2.2
P. 475



4.1
P. 476



8.1
P. 477

CIAK

24Vdc
max 500mA
compact height
self-dissipating
range of dimensions
optical range
adjustability
1.5-5W



1.0 / 1.6 / 2.6
anti-glare snoot
P. 484 / 485 / 487



1.1 / 1.7 / 2.7
P. 484 / 485 / 487

CAMEO

24Vdc
max 500mA
range of functions and dimensions
optical range
1.5-5W



1.0 / 1.6 / 2.6
fixed optics and fixed focus
P. 492 / 494 / 496



1.1 / 1.7 / 2.7
tiltable optics and fixed focus
P. 493 / 495 / 497



1.2 / 1.8 / 2.8
tiltable
zoom lens
P. 493 / 495 / 497

ESEM

230Vac mains voltage
24Vdc
max 350mA - max 500mA
range of dimensions
optical range
2-14W



MINI 1.0 / MINI 1.6
fixed
P. 502 / 503



MINI 1.1 / MINI 1.7
tiltable
P. 502 / 503



MID 1.0 / MID 1.6
fixed
P. 504 / 505



MID 1.1 / MID 1.7
tiltable
P. 504 / 505



2.0 / 2.6
fixed
P. 507



3.0
fixed
P. 508



3.1
tiltable
P. 509



3.2
tiltable
P. 509

INDOOR RECESSED

ESEM

230Vac mains voltage
24Vdc
max 350mA - max 500mA
range of dimensions
optical range
2-14W



4.0
fixed
P. 510



4.1
tiltable
P. 511



4.2
tiltable
P. 511

EYES

24Vdc
max 350mA - max 500mA
range of functions
and dimensions
range of finishes
1-2W



1.0 / 1.6
P. 516 / 517



1.2 / 1.8
P. 516 / 517



2.0
P. 518



2.1 / 2.7
P. 518 / 521



2.2
P. 519



2.3 / 2.9
P. 519 / 521

QUAD

230Vac mains voltage
max 500mA
adjustability
range of dimensions
optical range
6-40W



6.1
recessed flush with ceiling
RGB
P. 526



6.2
recessed flush with ceiling
RGB
P. 527



6.3
recessed flush with ceiling
RGB
P. 527



MAXI 1.1
rebated
P. 528



MAXI 1.2
rebated
P. 529



MAXI 1.3
rebated
P. 529



MAXI 2.1
recessed flush with ceiling
P. 530



MAXI 2.2
recessed flush with ceiling
P. 531



MAXI 2.3
recessed flush with ceiling
P. 531



MAXI 3.1
rebated
P. 532

INDOOR RECESSED

QUAD



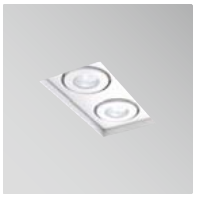
MAXI 3.2
rebated
P. 533



MAXI 3.3
rebated
P. 533



MAXI 4.1
recessed flush with ceiling
P. 534



MAXI 4.2
recessed flush with ceiling
P. 535



MAXI 4.3
recessed flush with ceiling
P. 535

ECHO LED

230Vac mains voltage
range of dimensions
diffuse
18-36W



1.0 / 2.0 / 3.0 / 4.0
P. 540 / 541

LED OPTICAL FIBRES

special
white light - RGB
3W



P. 543

INDOOR PROJECTORS

DUOMO

230Vac mains voltage
high level of adjustability
optical range
range of dimensions
range of installation
accessories
range of finishes
10-56W



1.0
P. 554



2.0
P. 554



3.0
P. 555



4.0
P. 555

KRILL

max 350mA - max 700mA
modular
optical range
range of dimensions
range of optical and
installation accessories
range of finishes
1-4.5W



1.0

P. 564



1.4
zoom lens
P. 564



2.0

P. 565



2.4
zoom lens
P. 565



3.0

P. 566



3.4
zoom lens
P. 566

GEM

max 500mA
range of finishes
2W



1.0
P. 571

CITY

max 350mA
3W



1.0
P. 575

INDOOR PROJECTORS

WALL

max 500mA
range of dimensions
2W



7.0
P. 577



7.1
P. 577

ZAB TRACK

230Vac mains voltage
range of dimensions
range of CRI
range of optical accessories
23-36W



1.0 / 1.1

P. 584



2.0 / 2.1
zoom lens
P. 585



3.0 / 3.1

P. 586



4.0 / 4.1
zoom lens
P. 587

SIRI TRACK

230Vac mains voltage
range of optical accessories
16W



2.0
P. 591

INDOOR WALL MOUNTED

ELLA IN

230Vac mains voltage
linear
range of dimensions
range of finishes
123 - 208 - 294 mm
diffuse
7-19W



1.0
single beam
P. 596



2.0
single beam
P. 597



3.0
single beam
P. 597

VERSA

230Vac mains voltage
minimalist
diffuse
9W per beam



1.0
single beam
P. 601



2.0
double beam
P. 601

READING LAMPS

WALL

230Vac mains voltage
max 500mA
range of styles
and functions
2-3.5W



1
adjustable beam
P. 604



3
adjustable beam
P. 605



8.0

P. 606



8.1
push button
P. 607



8.2
push button
P. 607

INDOOR CEILING MOUNTED

BITPOP C

230Vac mains voltage
24Vdc
great visual comfort
range of dimensions
range of control systems
6.5-18W



1.0
P. 614



2.2
P. 615



4.1
P. 615

TEKO

230Vac mains voltage
minimalist
range of styles
and dimensions
diffuse
5-17W



5.0 / 7.0
P. 618 / 619



5.1 / 7.1
P. 618 / 619

ELLO IN

230Vac mains voltage
linear
range of dimensions
range of finishes
123 - 208 - 294 mm
diffuse
7-19W



1.0
P. 622



2.0
P. 623



3.0
P. 623

INDOOR SUSPENDED

KORA

230Vac mains voltage
range of dimensions
optical range
range of finishes
3.5-21W



1.0
P. 628



2.0
P. 629

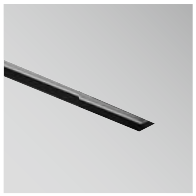


3.0
P. 629

INDOOR LINEAR PROFILES

BRENTA

230Vac mains voltage
modular
range of styles
and dimensions
range of optical and
installation accessories
19-54W/m



1
P. 638



2
P. 640

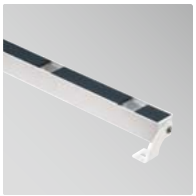
SNACK

24Vdc
range of dimensions
optical range
5-40W



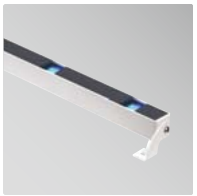
1.0 / 1.1 / 1.2 / 1.3

P. 648 / 649



2.0 / 2.1 / 2.2 / 2.3

P. 650 / 651



3.0 / 3.1 / 3.2 / 3.3
RGB
P. 652 / 653

INDOOR STEP LIGHTS

LINE

max 500mA
range of dimensions
2W



1.0 / 1.1
P. 658



2.0 / 2.1
P. 659

STEP INSIDE

max 500mA
24Vdc
range of dimensions
range of finishes
2W



2.2 / 2.8
semi-recessed
P. 664 / 665



2.3 / 2.9
semi-recessed
P. 664 / 665

SIMPLY

max 220mA
orientation light
compact height
1W



1.0
P. 669

UNDERWATER RECESSED

MOBY

24Vdc
scenic effects
great flexibility of installation
range of functions
and dimensions
range of optical and
installation accessories
RGBW and shades of cyan
9-30W



1.0 / 2.0 / 3.0
stainless steel - can be
used in vinyl-lined pools
P. 676 / 677 / 679



1.1 / 2.1 / 3.1
glass cover
P. 676 / 677 / 679

BRIGHT 316L

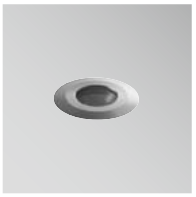
12Vdc - 24Vdc
max 500mA
range of dimensions
optical range
stainless steel
range of installation
accessories
1.2-18W



1.0 316L / 1.6 316L / 1.8 316L
RGB
P. 684 / 685



2.0 316L / 2.6 316L
RGB
can be used in
vinyl-lined pools
P. 686



3.0 316L
RGB
P. 688



5.0 316L
RGB
can be used in
vinyl-lined pools
P. 689

UNDERWATER PROJECTORS

MOBY P

24Vdc
scenic effects
great flexibility of installation
range of functions
and dimensions
range of optical accessories
RGBW and shades of cyan
9-30W



1.0
stainless steel
P. 696



1.1
glass cover
P. 696



2.0
stainless steel
P. 697



2.1
glass cover
P. 697



3.0
stainless steel
P. 698



3.1
glass cover
P. 698

UNDERWATER PROJECTORS

SPOT 316L

24Vdc
max 500mA
range of dimensions
optical range
stainless steel
2-18W



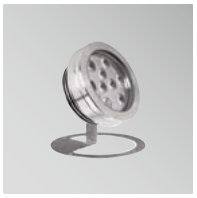
1.0 316L / 1.6 316L

P. 702



2.0 316L / 2.6 316L
RGB

P. 703



3.0 316L
RGB

P. 704

UNDERWATER LINEAR PROFILES

TREVI

24Vdc
surface-mounted version
613 - 1208 - 1803 mm
white light - RGB
7-37W



1.0 / 1.1 / 1.2
P. 712 / 713

RIO SUB

24Vdc
integrated recessed version
510 - 1010 mm
diffuse
white light - RGB
6-19W



1.1 / 1.2
P. 718



2.1 / 2.2
P. 719

PHOTOMETRIC DATA

PHOTOMETRIC DATA
P. 723

POWER SUPPLY UNITS AND CONTROL GEAR

POWER SUPPLY UNITS AND CONTROL GEAR
P. 843

ON/OFF CONSTANT-CURRENT PSU
P. 844

ON/OFF CONSTANT-VOLTAGE PSU
P. 846

DIMMABLE POWER SUPPLY UNITS
P. 848

CONTROL SYSTEMS
P. 854

EMERGENCY KIT
P. 861

ACCESSORIES



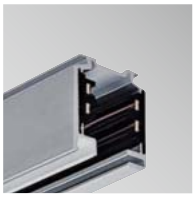
SPARE PARTS
P. 866



CABLES
P. 868



WIRING MATERIALS
P. 869



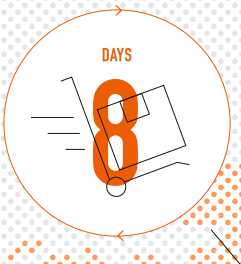
TRACK ACCESSORIES
P. 870

COMPETITIVE ADVANTAGES

READY TO GIVE YOU OUR ALL

8-DAY MANUFACTURING LEAD TIME

We will send you an order confirmation in 24 hours,
and your order will be ready to ship in 8 working days.





TECHNICAL SUPPORT

Our customers have access to a complete support
and advisory service:
- lighting advice and technical support
- training, with technical meetings aimed at illustrating
the features and usage of LED devices.

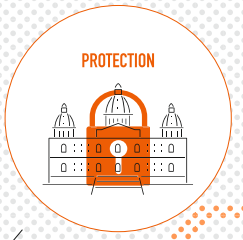


CUSTOMIZED PRODUCTS

All the features of our lighting fixtures – aesthetic,
electronic, optical and LED – can be customized.

PROJECT PROTECTION

Because we maintain a database in which we record your specifications, we have an overview with which we can help you protect your concept.





WARRANTY EXTENSION TO 5 YEARS

We offer all buyers who purchase our products a warranty of 24 months against manufacturing or design defects as provided for under L&L's General Terms and Conditions.
Given the high quality of our products, however, we are happy to extend the term of the warranty to 5 years from the date of invoice.



LIGHTING UP THE WORLD

Our sales network operates in all five continents

PASITO 1.0



German Design Award 2018 - Special Mention

AKRO



German Design Award 2018 - Winner

Red Dot Award 2017 - Winner

IF Design Award 2017 - Winner

Good Design Award 2017 - Winner

PLIN 2



German Design Award 2019 - Special Mention

SIRI TRACK



German Design Award 2018 - Winner

IF Design Award 2017 - Winnerselection

MOBY 2.1



German Design Award 2019 - Winner

PALLADIANO 1.0



German Design Award 2019 - Winner

Lux Awards 2018 - Exterior Luminaire of the Year

Iconic Awards 2018 - Innovative Architecture selection

PROUD OF OUR SUCCESSES

INNOVATIONS AND AWARDS

CIAK



German Design Award 2019 - Special Mention

Iconic Awards 2019 - Innovative Interior selection

CAMEO



Iconic Awards 2020 - Innovative Interior Winner

GINKO



German Design Award 2020 - Winner

IF Design Award 2019 - Winner

Muuuz International Awards 2019 - Winner

INTONO



German Design Award 2021 - Winner

Red Dot Award 2020 - Winner

reddot winner 2020
lighting design

LIT Lighting Design Awards 2019 - Winner

IDA International Design Awards 2019 - Gold - Winner


SCHEDA
1 LED
Ø34
L&L
CRI90
2700K
3000K
4000K

PROTECTION SYSTEMS

R&D TEAM: MORE CUTTING-EDGE BY THE DAY

INTELLIGENT PROTECTION SYSTEM

The IPS protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit.

SURGE PROTECTION DEVICE

The SPD protects lighting fixtures from electrical phenomena external to the system, such as power surges. In particular, this device is specifically for protection against serious events with a high energy content.

PROTECTIVE IMPEDANCE DEVICE

The PID protects lighting fixtures from electrical phenomena external to the system, such as static electricity accumulation or electromagnetic interference coming from the mains power. Generally, these are events with a low energy content.

NTC

TEMPERATURE CONTROL BUILT IN

This is an NTC thermistor mounted on the LED board to protect the lighting fixture against overheating. Should the product function at an operating temperature greater than the maximum temperature at which it can operate correctly, the protection is activated and gradually reduces the power.

ELECTRICAL PROTECTION SYSTEM

This symbol identifies a lighting fixture with EPS, which protects fixtures for indoor applications against electrical problems. This innovation, patented by L&L, guarantees electrical protection against polarity reversal, hot plugging and voltage spikes of up to 48Vdc, which can occur if there are faults in the electrical circuit.

IP69K

The protection rating IP69K indicates an electrical device's resistance to cleaning with high-pressure, high-temperature spray-downs. When the fixtures are installed in urban or industrial applications where heavy cleaning is carried out using high-pressure washers, functioning, resistance, service life and appearance are guaranteed even under these conditions. (compliant with ISO 20653)



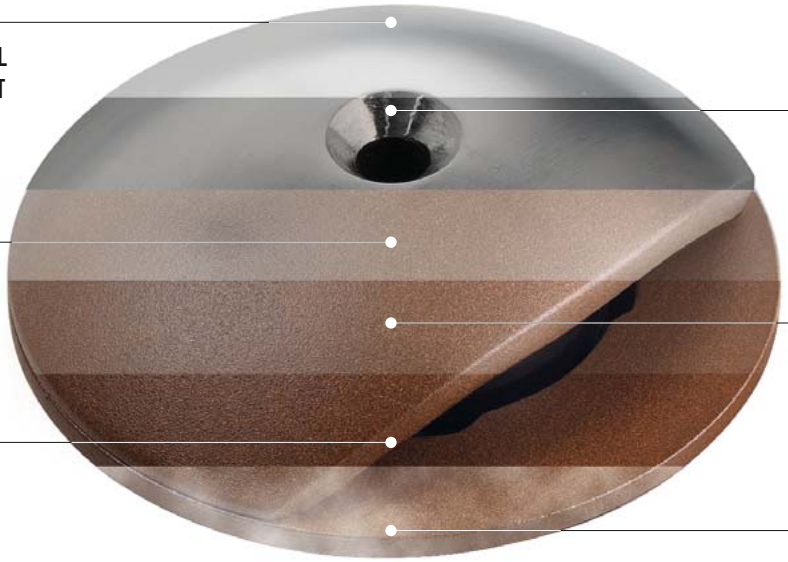


RELIABILITY

RESISTANCE AND MATERIAL PROTECTION

**6-STEP MATERIAL PROTECTION,
AND OXIDATION
AND CORROSION RESISTANCE**

1. AISI 316L STAINLESS STEEL OR LOW-COPPER-CONTENT ANTICORODAL ALUMINIUM



2. PREPARATION FOR PAINTING WITH ALODINE NT-E® COATING

3. PAINTS COMPLIANT WITH QUALICOAT AUTOMOTIVE COATING STANDARD

4. EPOXY PAINT

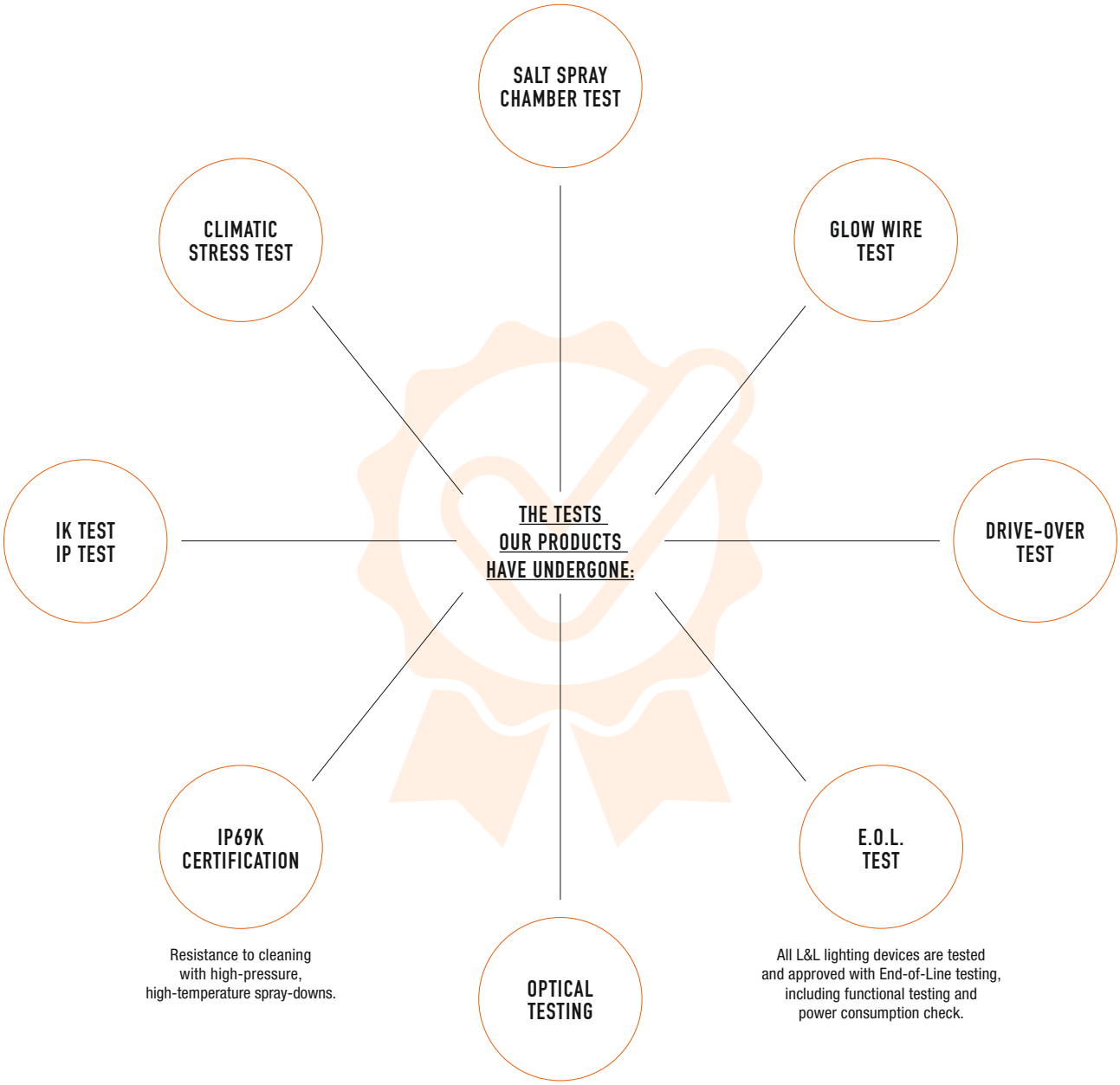
5. POLYESTER PAINT

6. SALT SPRAY TESTING

The materials and technical processes used in the construction of our fixtures protect both functionality and aesthetics, even in severe conditions of continuous exposure to atmospheric and environmental agents.

RELIABILITY

WE TEST THE QUALITY OF OUR FIXTURES



Resistance to cleaning with high-pressure, high-temperature spray-downs.

All L&L lighting devices are tested and approved with End-of-Line testing, including functional testing and power consumption check.

Measurement of electrical and optical parameters to provide values for the finished product on a combination of elements (delivered lumen output, colour coordinates, colour temperature, emission spectrum, CRI and TM-30 analysis.)

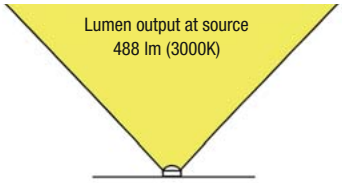
LUMEN OUTPUT

LUMEN OUTPUT AT SOURCE AND DELIVERED LUMEN OUTPUT

THE LUMEN OUTPUT FOR EACH DEVICE IS GIVEN ON THE PRODUCT PAGE BELOW THE CODE AND IS EXPRESSED USING TWO VALUES:

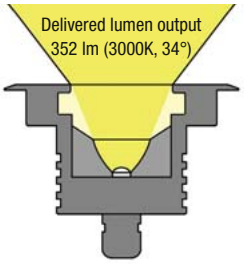
LUMEN OUTPUT AT SOURCE

LED lumen output
with the LED colour temperature in brackets.



DELIVERED LUMEN OUTPUT

The actual lumens delivered by the device
with, in brackets, the LED colour temperature
and the optics mounted.



The lumen output at source refers to the junction temperature (Tj) 85ºC.
The delivered lumen output is measured at the device's operating temperature.
The value for the delivered lumen output refers to the optics indicated in brackets.
In those cases where other optics noticeably affect the lumen output, multiple values are given.
Together with the lumen output, other specifications, such as the power consumption
and supply, and the CRI, are provided to further clarify the value given.

Both the at-source and the delivered lumen outputs of devices with RGB, RGBW and
dynamic white LED colours are expressed with both the total value and the value for each colour.





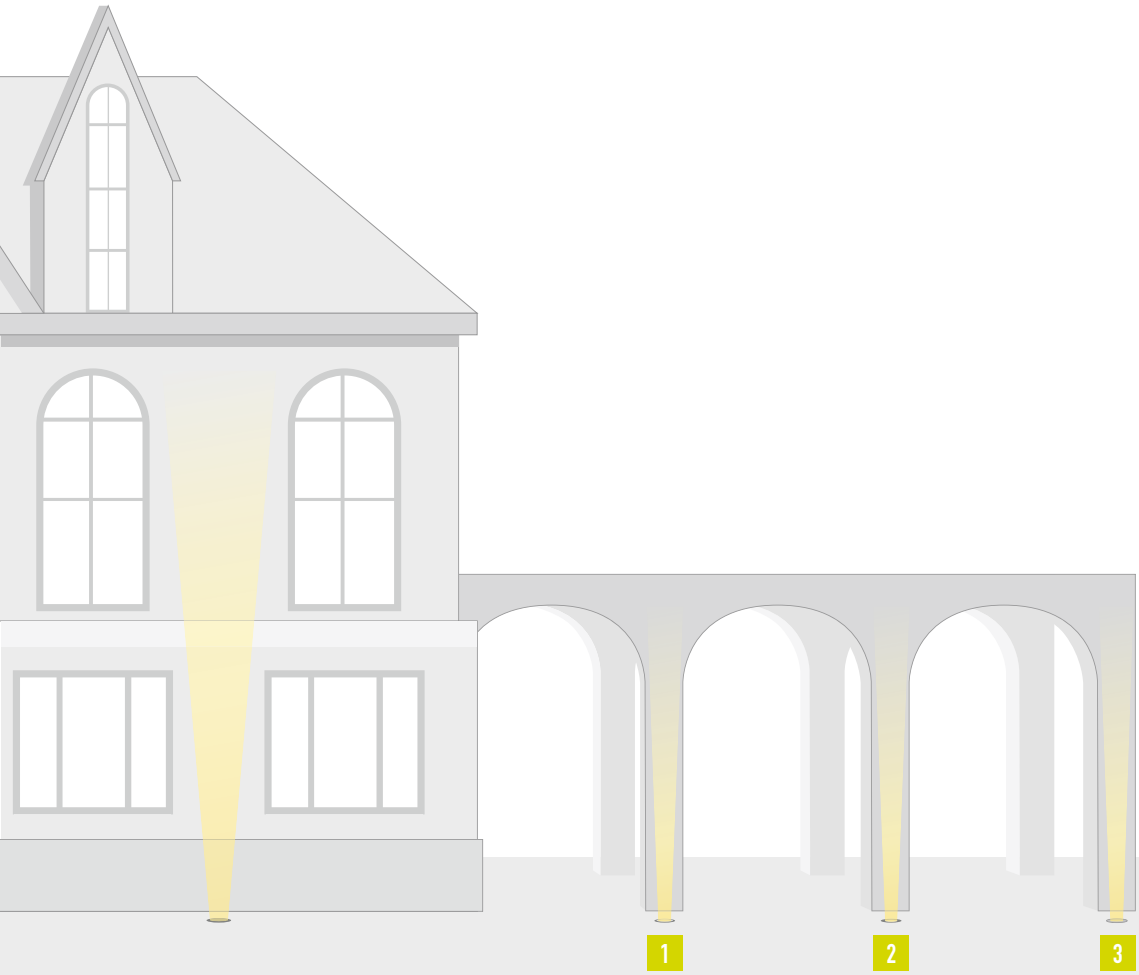
1 **SMOOTHY** p. 48

2 **BRIGHT** p. 58

3 **LITUS** p. 80

RECESSED

FOR OUTDOOR APPLICATIONS



4 **CORSO** p. 94

5 **STRA** p. 102

6 **BEAM** p. 112





		SMOOTHY see p. 48	BRIGHT see p. 58
APPLICATION		architectural lighting	architectural lighting, orientation lighting
MOUNTING	CEILING / WALL	•	•
	GROUND		
BEAM	DIFFUSE VERSION FIXED OPTICS		
	OPTICS VERSION FIXED / TILTABLE OPTICS		
LIGHT COLOUR		2700K 3000K 4000K RGB	2700K 3000K 4000K 5000K blue green red RGB RGBW
POWER		2–13W	0.5–20W
DELIVERED LUMEN OUTPUT (3000K)		188–1065 lm	20–1235 lm
SHAPE			
POWER SUPPLY	CONSTANT CURRENT power supply unit not included	max 700mA (white/RGB light)	max 500mA (white/ blue/green/red/RGB light)
	CONSTANT VOLTAGE power supply unit not included	24Vdc (white light)	12Vac (white light) 12Vdc (white/RGB light) 24Vdc (white/blue/RGBW light)
	MAINS VOLTAGE built-in power supply unit		
IP		IP67	IP67 / IP68
APPLIANCE CLASS		III	III
UNIQUE SELLING POINTS			IP69K



LITUS

see p. 80

architectural lighting

•

2700K 3000K 4000K RGB

2–13W

188–1065 lm

max 700mA (white/RGB light)

24Vdc (white light)

IP67



CORSO

see p. 94

monuments and drive-over areas

3000K 4000K

3.5–21W

178–1740 lm

210-230Vac
230Vac

IP65 / IP67



STRA

see p. 102

architectural lighting, large buildings

2700K 3000K 4000K RGBW

25–39W

1350–2205 lm

24Vdc (RGBW light)

230Vac (white light)

IP67 / IP68

IP69K



BEAM

see p. 112

walkways

•

2700K 3000K 4000K 5000K
blue RGB

max 3W

114 lm

max 350mA (RGB light)
max 700mA
(white/blue light)

IP67



SMOOTHY

OUTDOOR RECESSED UPLIGHTS
ARCHITECTURAL LIGHTING

2700K 3000K 4000K

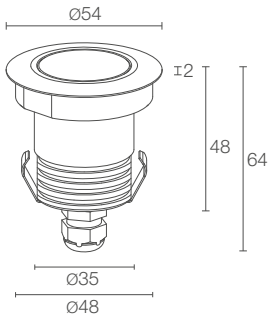
		FIXED OPTICS	TILTABLE OPTICS
Ø54 mm narrow medium wide diffuse	**UP TO 2 m**	 **SMOOTHY 1.0** p. 50 constant current max 2W max 700mA **SMOOTHY 1.6** p. 50 constant voltage 2.5W/3.5W 24Vdc	
Ø84 mm narrow medium wide elliptical diffuse	**UP TO 4 m**	 **SMOOTHY 2.4** p. 51 white light: constant voltage 3.5W/5W/7W 24Vdc RGB light: constant current max 7W max 700mA RGB	 **SMOOTHY 2.8** p. 52 constant voltage 2.5W/3.5W 24Vdc
Ø109 mm narrow medium wide elliptical diffuse	**UP TO 7 m**	 **SMOOTHY 5.4** p. 54 constant voltage 10W/13W 24Vdc	 **SMOOTHY 5.6** p. 55 white light: constant voltage 3,5W/5W/7W 24Vdc RGB light: constant current max 7W max 700mA RGB

< **SMOOTHY 2.4**
4000K, 7W, 8°

SMOOTHY 1



SMOOTHY 1.0



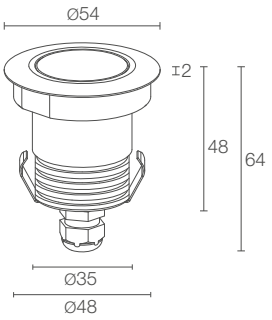
Ø 180 mm
H 110 mm

Ø 48 mm

kg 1000 kg 0.27 IP67 IK07

A A+ A++ IPS T max 50°C

SMOOTHY 1.6



Ø 180 mm
H 110 mm

Ø 48 mm

kg 1000 kg 0.27 IP67 IK07

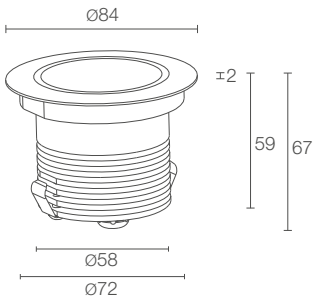
A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY **CODE**	**max 2W max 700mA** **SY1012** ■■■ **I**	**2.5W 24Vdc** **SY1600** ■■■ **I** **3.5W 24Vdc** **SY1601** ■■■ **I**
■ **CRI**	**0** - CRI 80 **1** - CRI >90	■ **0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K	■ **F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 13° **M** - 22° **F** - 30° **P** - 35° sharp **L** - 48° **D** - diffuse	■ **S** - 13° **M** - 22° **F** - 30° **P** - 35° sharp **L** - 48° **D** - diffuse
LUMEN OUTPUT AT SOURCE	224 lm (3000K, 700mA, CRI 80)	224 lm (3000K, 3.5W, CRI 80)
DELIVERED LUMEN OUTPUT	188 lm (3000K, 700mA, 22°, CRI 80)	188 lm (3000K, 22°, 3.5W, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 57 and 844	not included, see p. 57
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
WIRING	series	parallel
MOUNTING	recessed (ceiling, wall, ground)	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 56	see p. 56
PHOTOMETRIC DATA	see p. 813	see p. 813

SMOOTHY 2

SMOOTHY 2.4





Ø 200 mm
H 140 mm

Ø 75 mm

kg 1000 kg 0.43 IP67 IK08

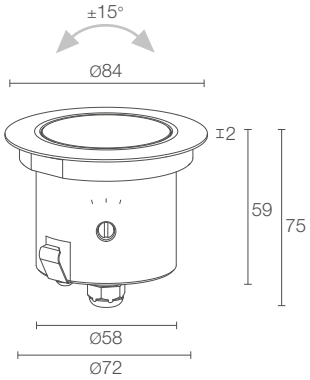
A A+ A++ IPS PID T max 50°C

POWER SUPPLY **CODE**	24Vdc white light **SY240** **I** max 7W max 700mA RGB light **SY2432 6** **I**
POWER	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**U** - 5° only 3.5W (4000K only CRI 80) **V** - 8° **T** - 11° **S** - 17° **P** - 21° sharp **M** - 34° **L** - 45° **Q** - 61° sharp **W** - 13°x52° **D** - diffuse RGB: **S** - 20° **M** - 34° **L** - 45° **W** - 21°x42°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 57
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 56
PHOTOMETRIC DATA	see p. 814

SMOOTHY 2



SMOOTHY 2.8



Ø 180 mm
H 120 mm

Ø 75 mm

kg 1000 kg 0.30 IP67 IK08

A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY **CODE**	2.5W 24Vdc **SY2800** ■■■ **I -** ■ 3.5W 24Vdc **SY2801** ■■■ **I -** ■
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 13° tiltable ±15° **M** - 22° tiltable ±15° **F** - 30° tiltable ±15° **P** - 35° sharp tiltable ±15° **L** - 48° tiltable ±15°
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	224 lm (3000K, 3.5W, CRI 80)
DELIVERED LUMEN OUTPUT	188 lm (3000K, 22°, 3.5W, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 57
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 56
NOTES	version with honeycomb louvre available on request
PHOTOMETRIC DATA	see p. 813

SMOOTHY 2.4 >
3000K, 7W, 45°

Project by / New Image Kft.
Bonvital Wellness & Gastro Hotel Hévíz
Hévíz, Hungary



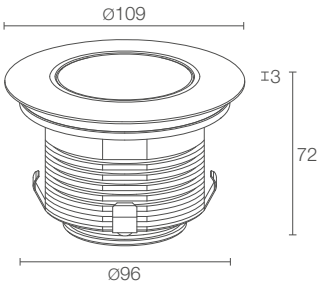


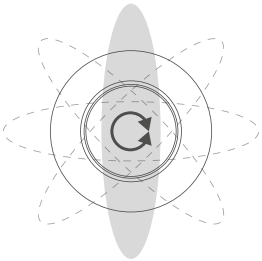
^
SMOOTHY 5.4
with anti-glare screen

SMOOTHY 5

SMOOTHY 5.4







Adjustable
16°x69° optics

patented

elliptical optics,
adjusted manually
with magnet

Ø 220 mm
H 150 mm

Ø 100 mm

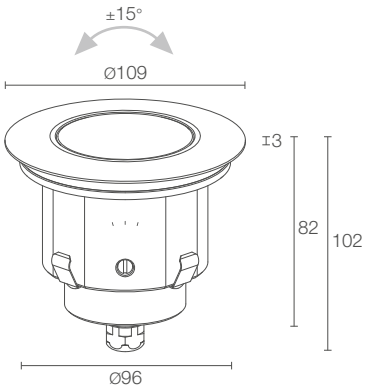
kg 0.89 IP67 IK08

A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY CODE	10W 24Vdc **SY5400** ■■■ **I -** ■ 13W 24Vdc **SY5401** ■■■ **I -** ■
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 16° **M** - 21° **L** - 38° **P** - 58° sharp **K** - 55° **W** - 16°x69° adjustable **D** - diffuse 8° (only 10W) on request
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	1115 lm (3000K, 10W, CRI 80) 1485 lm (3000K, 13W, CRI 80)
DELIVERED LUMEN OUTPUT	800 lm (3000K, 38°, 10W, CRI 80) 1065 lm (3000K, 38°, 13W, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 57
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 56
FEATURES	16°x69° optics adjustable through 360° using the magnet provided
PHOTOMETRIC DATA	see p. 815

SMOOTHY 5.6





Ø 220 mm
H 160 mm

Ø 100 mm

kg 0.95 IP67 IK08

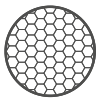
A A+ A++ IPS T max 50°C

POWER SUPPLY **CODE**	24Vdc white light **SY560** ■■■■ **I** max 7W max 700mA RGB light **SY5632 6** ■ **I**
■ **POWER**	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**U** - 5° tiltable ±15° only 3.5W (4000K only CRI 80) **V** - 8° tiltable ±15° **T** - 11° tiltable ±15° **S** - 17° tiltable ±15° **P** - 21° sharp tiltable ±15° **M** - 34° tiltable ±15° **L** - 45° tiltable ±15° **Q** - 61° sharp tiltable ±15° **W** - 13°x52° tiltable ±15° RGB: **S** - 20° tiltable ±15° **M** - 34° tiltable ±15° **L** - 45° tiltable ±15° **W** - 21°x42° tiltable ±15°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 57
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 56
PHOTOMETRIC DATA	see p. 814

SMOOTHY

ACCESSORIES AND POWER SUPPLY UNITS

ANTI-GLARE ACCESSORIES



WH0100 (Smoothy 1.0 / 1.6)

WH0203 (Smoothy 2.4)

WH0206 (Smoothy 5.4)

WH0205 (Smoothy 5.6)

Honeycomb louvre
built into the lighting fixture

order together with
the lighting fixture

the honeycomb louvre can be fitted:
– on all optics except for sharp, diffuse and 16°x69° adjustable optics
– on 5° and 8° optics on request



WE0700S (Smoothy 1.0 / 1.6)

WE0701S (Smoothy 2.4 / 2.8)

WE0702S (Smoothy 5.4 / 5.6)

Anti-glare screen,
half transparent and half serigraphed black
built into the lighting fixture

order together with
the lighting fixture

the anti-glare screen can be fitted
on the versions with white LED colour
and on all optics except for
48° and diffuse optics

ACCESSORIES FOR INSTALLATION



WC4010
Outer casing
(Smoothy 1.0 / 1.6)



WC4020
Outer casing
(Smoothy 2.4 / 2.8)



WC4050
Outer casing
(Smoothy 5.4 / 5.6)



WG0501
Fixing springs for installation
(Smoothy 1.0 / 1.6)



WG0502
Fixing springs for installation
(Smoothy 2.4 / 2.8)



WG0505
Fixing springs for installation
(Smoothy 5.4 / 5.6)



WL0100
Suction cup
(Smoothy 1.0 / 1.6 / 2.4 / 2.8)



WL0500
Suction cup
(Smoothy 5.4 / 5.6)

for spare parts, see p. 866

POWER CABLES Smoothy 1.0 / 1.6 / 2.4 / 5.6

to order the power cable, add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

RGB

FEP+RUB cables
(equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

POWER SUPPLY UNITS Smoothy 1.0

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

700mA

Max no. fixtures	PSU	IP	Page
1/3	A13700QL	20	845
1/7 dimmer	ADUNITC	20	848 849 850
1/7	ACUNI020T1	20	844 845
1/3	A13700IP67	67	845
1/9	A39700IP67	67	845

POWER SUPPLY UNITS Smoothy 1.6 / 2.8 / 5.4

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Smoothy 2.4 / 5.6

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860

ORIENTATION LIGHTING

2700K 3000K 4000K 5000K

RGB

diffuse

diffuse sandblasted

diffuse transparent

ARCHITECTURAL LIGHTING

2700K 3000K 4000K 5000K

blue green red

narrow medium wide elliptical diffuse

2700K 3000K 4000K 5000K

blue green red

narrow medium wide elliptical diffuse

2700K 3000K 4000K 5000K

blue

narrow medium wide elliptical diffuse

2700K 3000K 4000K

RGB

ultra-narrow narrow medium wide ultra-wide elliptical diffuse asymmetrical



UP TO 2 m



UP TO 4 m

ROUND COVER

FIXED OPTICS Ø35 mm



BRIGHT MINI 1.0 p. 60
constant voltage
0.5W 12Vac
0.6W 12Vdc
1.2W 24Vdc

FIXED OPTICS Ø35 mm



BRIGHT 1.8 p. 65
constant voltage
1.2W 12Vdc

FIXED OPTICS Ø35 mm



BRIGHT 1.0 p. 62
constant current
max 2W max 500mA

FIXED OPTICS Ø35 mm



BRIGHT 1.2 p. 63
constant current
max 2W max 500mA
mounted on a board

FIXED OPTICS Ø35 mm



BRIGHT 1.6 p. 64
constant voltage
2W 24Vdc

FIXED OPTICS Ø85 mm



BRIGHT 2.4 p. 67
white light: constant voltage
5W/7W 24Vdc
RGB light: constant current
max 5W max 500mA

SQUARE COVER

FIXED OPTICS 35x35 mm



BRIGHT MINI 1.1 p. 60
constant voltage
0.5W 12Vac
0.6W 12Vdc
1.2W 24Vdc

FIXED OPTICS 35x35 mm



BRIGHT 1.9 p. 65
constant voltage
1.2W 12Vdc

FIXED OPTICS 35x35 mm



BRIGHT 1.1 p. 63
constant current
max 2W max 500mA

FIXED OPTICS 35x35 mm



BRIGHT 1.7 p. 64
constant voltage
2W 24Vdc

FIXED OPTICS 85x85 mm

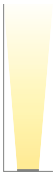


BRIGHT 2.5 p. 69
white light: constant voltage
5W/7W 24Vdc
RGB light: constant current
max 5W max 500mA

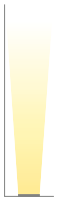
BRIGHT

OUTDOOR RECESSED
ARCHITECTURAL AND ORIENTATION LIGHTING





UP TO 7 m



UP TO 10 m

TILTABLE OPTICS Ø85 mm



BRIGHT 2.8 p. 70
constant voltage
2.5W/3.5W 24Vdc

FIXED OPTICS Ø112 mm



BRIGHT 3.F p. 72
constant voltage
10W/13W 24Vdc

TILTABLE OPTICS Ø112 mm



BRIGHT 3.G p. 73
constant voltage
5W/9W 24Vdc

FIXED OPTICS Ø112 mm



BRIGHT 3.H p. 73
constant voltage
11W 24Vdc

FIXED OPTICS Ø148 mm



BRIGHT 5.F p. 74
constant voltage
14W/19W 24Vdc

TILTABLE OPTICS Ø148 mm



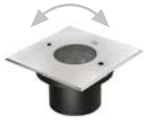
BRIGHT 5.G p. 75
constant voltage
10W/16W 24Vdc

FIXED OPTICS Ø148 mm



BRIGHT 5.H p. 75
constant voltage
20W 24Vdc

TILTABLE OPTICS 85x85 mm

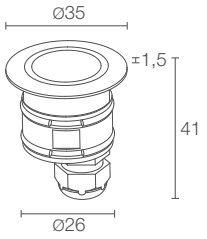


BRIGHT 2.9 p. 70
constant voltage
2.5W/3.5W 24Vdc

BRIGHT MINI



BRIGHT MINI 1.0



Ø 80 mm
H 100 mm

Ø 30 mm

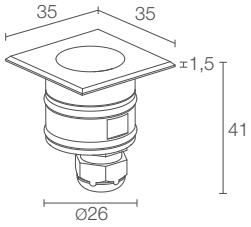
kg 0.145 IP68 IK10

A A+ A++ IPS T max 45°C

POWER / POWER SUPPLY **CODE**	0.5W 12Vac 0.6W 12Vdc 1.2W 24Vdc **MB1000 ■ D I**
■ LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	41 lm (3000K, 24Vdc)
DELIVERED LUMEN OUTPUT	20 lm (3000K, 24Vdc)
NO. AND TYPE OF LED	1 mid-power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, acid-etched glass
POWER SUPPLY UNIT	not included, see p. 78
POWER CABLES	includes 1.5 m neoprene cable 05RN-F 2x0.35 Ø4.3 mm
MOUNTING	recessed (ceiling, wall, ground) thickness: min 3 mm, max 30 mm
ACCESSORIES	see p. 76
NOTES	not suitable for use in swimming pools or fountains underwater version: Bright 1.0 316L, p. 684
PHOTOMETRIC DATA	see p. 731



BRIGHT MINI 1.1



Ø 80 mm
H 100 mm

Ø 30 mm

kg 0.145 IP68 IK10

A A+ A++ IPS T max 45°C

	0.5W 12Vac 0.6W 12Vdc 1.2W 24Vdc **MB1100 ■ D I**
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	diffuse
	41 lm (3000K, 24Vdc)
	20 lm (3000K, 24Vdc)
	1 mid-power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, acid-etched glass
	not included, see p. 78
	includes 1.5 m neoprene cable 05RN-F 2x0.35 Ø4.3 mm
	recessed (ceiling, wall, ground) thickness: min 3 mm, max 30 mm
	see p. 76
	not suitable for use in swimming pools or fountains underwater version: Bright 1.0 316L, p. 684
	see p. 731

BRIGHT 1.6 >
4000K, 2W, diffuse

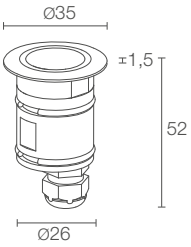
Project by / SC Servizi Integrati
Torre Bassano
Torre del Greco, Naples, Italy

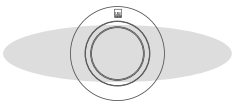


BRIGHT 1



BRIGHT 1.0





10°x45° optics
(Bright 1.0 / 1.2)

Ø 80 mm
H 100 mm

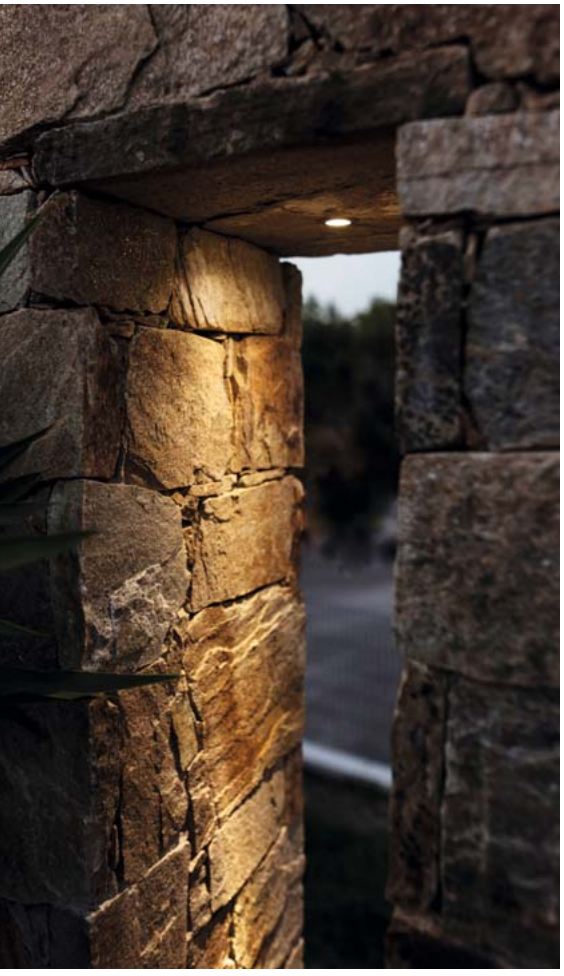
Ø 30 mm

kg 0.20 IP68 IK10

A A+ A++ IPS T max 50°C

v
BRIGHT 1.6
2700K, 2W, 10°

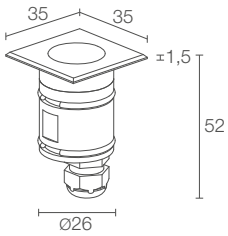
Private residence
Côte d'Azur, France



POWER / POWER SUPPLY CODE	max 2W max 500mA **CB1012** ■ ■ **A I -** ■
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **2** - green **3** - red 2200K on request
■ **OPTICS**	**S** - 10° **V** - 19° sharp **M** - 20° **L** - 40° **T** - 54° sharp **W** - 10°x45° **D** - diffuse
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	88 lm (3000K, 500mA, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in tempered, acid-etched glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 78 and 844
WIRING	series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76
NOTES	not suitable for use in swimming pools or fountains underwater version: Bright 1.0 316L, p. 684 24Vdc version: Bright 1.6, p. 64
PHOTOMETRIC DATA	see p. 731



BRIGHT 1.1



Ø 80 mm
H 100 mm

Ø 30 mm

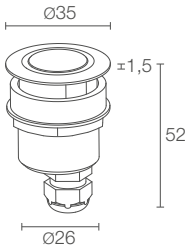
kg 0.20 IP68 IK10

A A+ A++ IPS T max 50°C

	max 2W max 500mA **CB1112** ■ ■ **A I -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **2** - green **3** - red 2200K on request
■	**S** - 10° **M** - 20° **L** - 40° **D** - diffuse
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	145 lm (3000K, 500mA)
	88 lm (3000K, 500mA, 20°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in tempered, acid-etched glass (diffuse version)
	not included, see p. 78 and 844
	series
	recessed (ceiling, wall, ground)
	see p. 76
	not suitable for use in swimming pools or fountains underwater version: Bright 1.0 316L, p. 684 24Vdc version: Bright 1.7, p. 64
	see p. 731



BRIGHT 1.2



Ø 80 mm
H 100 mm

Ø 28 mm

kg 0.20 IP68 IK10

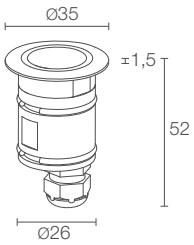
A A+ A++ IPS T max 50°C

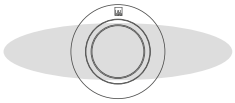
	max 2W max 500mA **CB1212** ■ ■ **A I -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **2** - green **3** - red
■	**S** - 10° **M** - 20° **L** - 40° **W** - 10°x45° **D** - diffuse
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	145 lm (3000K, 500mA)
	88 lm (3000K, 500mA, 20°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in tempered, acid-etched glass (diffuse version)
	not included, see p. 78 and 844
	series
	recessed on a board (thickness: min 0 mm, max 30 mm)
	see p. 76
	not suitable for use in swimming pools or fountains underwater version: Bright 1.0 316L, p. 684
	see p. 731

BRIGHT 1



BRIGHT 1.6





10°x45° optics
(Bright 1.6)

Ø 80 mm
H 100 mm

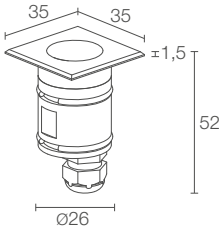
Ø 30 mm

kg 0.20 IP68 IK10

A A+ A++ IPS T max 50°C



BRIGHT 1.7



Ø 80 mm
H 100 mm

Ø 30 mm

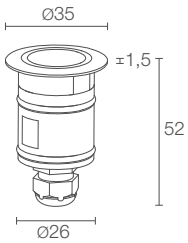
kg 0.20 IP68 IK10

A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY	2W 24Vdc	2W 24Vdc
CODE	**CB1600** ■ ■ **I -** ■	**CB1700** ■ ■ **I -** ■
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue	■ **F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 10° **V** - 19° sharp **M** - 20° **L** - 40° **T** - 54° sharp **W** - 10°x45° **D** - diffuse	■ **S** - 10° **M** - 20° **L** - 40° **D** - diffuse
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m	■ includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	145 lm (3000K)	145 lm (3000K)
DELIVERED LUMEN OUTPUT	88 lm (3000K, 20°)	88 lm (3000K, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in tempered, acid-etched glass (diffuse version)	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in tempered, acid-etched glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 78	not included, see p. 78
MOUNTING	recessed (ceiling, wall, ground)	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76	see p. 76
NOTES	not suitable for use in swimming pools or fountains underwater version: Bright 1.6 316L, p. 685 Bright 1.0 500mA version p. 62	not suitable for use in swimming pools or fountains underwater version: Bright 1.6 316L, p. 685 Bright 1.1 500mA version p. 63
PHOTOMETRIC DATA	see p. 731	see p. 731



BRIGHT 1.8



Ø 80 mm
H 100 mm

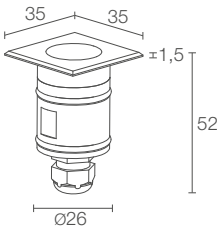
Ø 30 mm

kg 0.20 IP68 IK10

A A+ A++ IPS T max 50°C

	1.2W 12Vdc **CB1800 6** ■ **I -** ■
	RGB
■	**DT** - diffuse transparent **DS** - diffuse sandblasted
■	includes 1.5 m neoprene cable 05RN-F 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	15 lm, R: 4 lm G: 8 lm B: 3 lm
	11 lm, R: 3 lm G: 6 lm B: 2 lm (diffuse transparent optics)
	1 mid-power, full-colour LED 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (diffuse transparent optics version) screen in acid-etched, tempered extra-clear glass (diffuse sandblasted optics version)
	not included, see p. 78
	recessed (ceiling, wall, ground)
	see p. 76
	not suitable for use in swimming pools or fountains underwater version: Bright 1.8 316L, p. 685
	see p. 731

BRIGHT 1.9



Ø 80 mm
H 100 mm

Ø 30 mm

kg 0.20 IP68 IK10

A A+ A++ IPS T max 50°C

	1.2W 12Vdc **CB1900 6** ■ **I -** ■
	RGB
■	**DT** - diffuse transparent **DS** - diffuse sandblasted
■	includes 1.5 m neoprene cable 05RN-F 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	15 lm, R: 4 lm G: 8 lm B: 3 lm
	11 lm, R: 3 lm G: 6 lm B: 2 lm (diffuse transparent optics)
	1 mid-power, full-colour LED 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (diffuse transparent optics version) screen in acid-etched, tempered extra-clear glass (diffuse sandblasted optics version)
	not included, see p. 78
	recessed (ceiling, wall, ground)
	see p. 76
	not suitable for use in swimming pools or fountains underwater version: Bright 1.8 316L, p. 685
	see p. 731

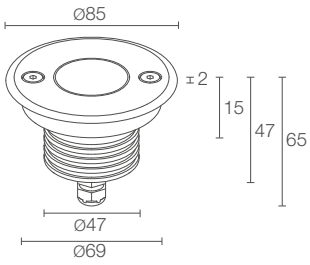


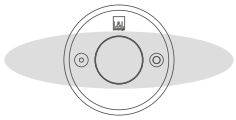
< **BRIGHT 2.4**
3000K, 5W, 17°
BRIGHT 1.8
RGB, 1.2W, diffuse sandblasted optics

Project by / geom. Giuseppe Carannante
Villa Punta Pennata
Bacoli, Naples, Italy



BRIGHT 2




13°x52° optics


21°x42° optics

BRIGHT 2.4

Ø 180 mm
H 120 mm

Ø 70 mm

kg 2000 kg 0.44 I kg 0.33 A IP68 IP69K IK10

A A+ A++ IPS PID T max 55°C

POWER / POWER SUPPLY CODE	5W 24Vdc white light **CB2400** **AF** - Body in aluminium, trim in grey-painted aluminium **CB2400** **AI** - Body in aluminium, trim in stainless steel **CB2400** **II** - Body in stainless steel, trim in stainless steel 7W 24Vdc white light **CB2401** **AF** - Body in aluminium, trim in grey-painted aluminium **CB2401** **AI** - Body in aluminium, trim in stainless steel **CB2401** **II** - Body in stainless steel, trim in stainless steel max 5W max 500mA RGB light **CB24326** **AF** - Body in aluminium, trim in grey-painted aluminium **CB24326** **AI** - Body in aluminium, trim in stainless steel **CB24326** **II** - Body in stainless steel, trim in stainless steel
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**Z** - asymmetrical, 8° **L** - 45° RGB: **V** - 8° **J** - 47° **S** - 20° **T** - 11° **Q** - 61° sharp **M** - 34° **S** - 17° **K** - 68° **L** - 45° **P** - 21° sharp **W** - 13°x52° **W** - 21°x42° **M** - 34° **D** - diffuse 5° (only white light and 3.5W) on request
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 253 lm, R: 82 lm G: 114 lm B: 57 lm (500mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 191 lm, R: 70 lm G: 90 lm B: 31 lm (500mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium or AISI 316L stainless steel trim in AISI 316L stainless steel or aluminium screen in tempered, transparent extra-clear glass (optics version) screen in sandblasted, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 78
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76
NOTES	not suitable for use in swimming pools or fountains, underwater fixtures p. 682 version with 9W power (with white LED colour) available on request
PHOTOMETRIC DATA	see p. 732

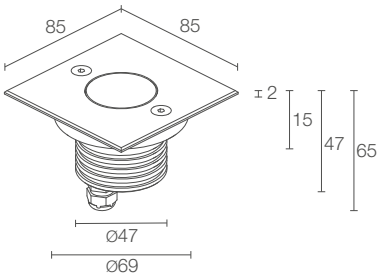


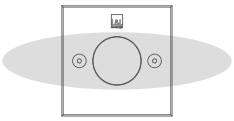
< **BRIGHT 2.4**
2700K, 7W, 11° - 45°, stainless steel

Project by / Boris Ruzic
Photo by / Rajan
Milosevic / Koridor 27
Villa Covri, Brtonigla, Croatia

BRIGHT 2






13°x52° optics


21°x42° optics

BRIGHT 2.5

Ø 180 mm
H 120 mm

Ø 70 mm

kg 2000 kg 0.44 IP68 IP69K IK10

A A+ A++ IPS PID T max 55°C

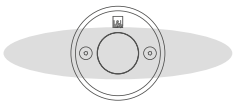
POWER / POWER SUPPLY CODE	5W 24Vdc white light **CB2500** ■■■ **AI -** ■ Body in aluminium, trim in micro-blasted stainless steel **CB2500** ■■■ **II -** ■ Body in stainless steel, trim in micro-blasted stainless steel 7W 24Vdc white light **CB2501** ■■■ **AI -** ■ Body in aluminium, trim in micro-blasted stainless steel **CB2501** ■■■ **II -** ■ Body in stainless steel, trim in micro-blasted stainless steel max 5W max 500mA RGB light **CB25326** ■ **AI -** ■ Body in aluminium, trim in micro-blasted stainless steel **CB25326** ■ **II -** ■ Body in stainless steel, trim in micro-blasted stainless steel
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**Z** - asymmetrical 8° **L** - 45° RGB: **V** - 8° **J** - 47° **S** - 20° **T** - 11° **Q** - 61° sharp **M** - 34° **S** - 17° **K** - 68° **L** - 45° **P** - 21° sharp **W** - 13°x52° **W** - 21°x42° **M** - 34° **D** - diffuse 5° (only white light and 3.5W) on request
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 253 lm, R: 82 lm G: 114 lm B: 57 lm (500mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 191 lm, R: 70 lm G: 90 lm B: 31 lm (500mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium or AISI 316L stainless steel trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in sandblasted, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 78
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76
NOTES	not suitable for use in swimming pools or fountains, underwater fixtures p. 682 version with 9W power (with white LED colour) available on request
PHOTOMETRIC DATA	see p. 732

BRIGHT 2

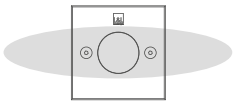
Project by / Studio DELBOCA + Partners,
Studio Architetti, Simona e Giovanni Rossi
Light planning by / Rada Markovic Lighting Design Studio
Promoter / Client / Contractor: Montanari Costruzioni s.r.l.
Casa sul Parco, Fidenza, Parma, Italy



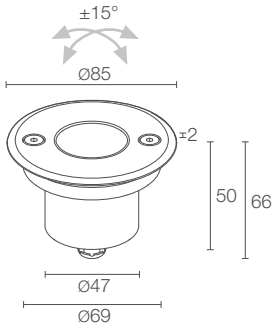
BRIGHT 2.8



10°x44° optics
(Bright 2.8)



10°x44° optics
(Bright 2.9)



Ø 180 mm
H 120 mm

Ø 70 mm

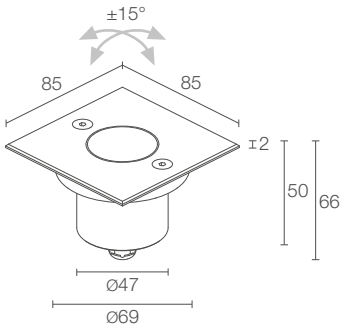
kg 2000 kg 0.50 I kg 0.40 A IP68 IP69K IK10

A A+ A++ IPS T max 55°C

POWER / POWER SUPPLY **CODE**	2.5W 24Vdc **CB28000 I** Stainless steel **CB28000 F** Grey 3.5W 24Vdc **CB28010 I** Stainless steel **CB28010 F** Grey
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue 2200K on request
OPTICS	**S** - 8° tiltable ±15° **M** - 20° tiltable ±15° **P** - 36° sharp tiltable ±15° **L** - 41° tiltable ±15° **Q** - 68° sharp tiltable ±15° **W** - 10°x44° tiltable ±15°
LUMEN OUTPUT AT SOURCE	184 lm (3000K, 3.5W)
DELIVERED LUMEN OUTPUT	143 lm (3000K, 20°, 3.5W)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel or aluminium screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 78
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76
NOTES	not suitable for use in swimming pools or fountains underwater fixtures p. 682 version with honeycomb louvre available on request
PHOTOMETRIC DATA	see p. 733



BRIGHT 2.9



Ø 180 mm
H 120 mm

Ø 70 mm

kg 2000 kg 0.50 IP68 IP69K IK10

A A+ A++ IPS T max 55°C

	2.5W 24Vdc **CB29000 I** Micro-blasted stainless steel 3.5W 24Vdc **CB29010 I** Micro-blasted stainless steel
	F - 2700K **5** - 3000K **9** - 4000K **1** - blue 2200K on request
	S - 8° tiltable ±15° **M** - 20° tiltable ±15° **P** - 36° sharp tiltable ±15° **L** - 41° tiltable ±15° **Q** - 68° sharp tiltable ±15° **W** - 10°x44° tiltable ±15°
	184 lm (3000K, 3.5W)
	143 lm (3000K, 20°, 3.5W)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
	not included, see p. 78
	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
	recessed (ceiling, wall, ground)
	see p. 76
	not suitable for use in swimming pools or fountains underwater fixtures p. 682 version with honeycomb louvre available on request
	see p. 733

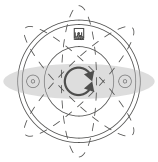


BRIGHT 3

BRIGHT 3.F

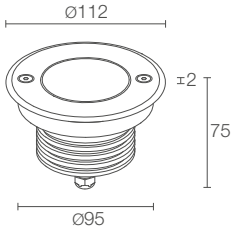
patented

elliptical optics, adjusted manually with magnet



Adjustable 16°x69° optics





Ø 220 mm
H 150 mm

Ø 96 mm

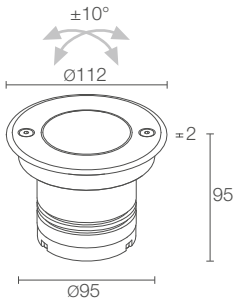
kg 5000 kg 0.78 IP68 IP69K IK10

A A+ A++ IPS T max 50°C

POWER SUPPLY **CODE**	24Vdc diffuse **CB3F0 0 2 0 0 D I -** 24Vdc **CB3F0 0 0 0 I -**
POWER	**0** - 10W **1** - 13W
CRI	**0** - CRI 80 **1** - CRI >90
OPTICAL ACCESSORIES	**0** - none **1** - anti-glare screen, half transparent and half serigraphed black (not compatible with the honeycomb louvre)
HONEYCOMB LOUVRE	**0** - not present **1** - present (not compatible with the anti-glare screen, or with the 58° sharp and 16°x69° adjustable optics)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 16° **M**- 21° **L** - 38° **K** - 55° **P** - 58° sharp **W**- 16°x69° adjustable
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	1115 lm (3000K, 10W, CRI 80) 1485 lm (3000K, 13W, CRI 80)
DELIVERED LUMEN OUTPUT	845 lm (3000K, 55°, 10W, CRI 80) 1125 lm (3000K, 55°, 13W, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 3-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 78
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76
FEATURES	16°x69° optics adjustable through 360° using magnet included
NOTES	not suitable for use in swimming pools or fountains underwater fixtures p. 682
PHOTOMETRIC DATA	see p. 734

BRIGHT 3.G





Ø 220 mm
H 150 mm

Ø 96 mm

kg 5000 kg 0.95 IP67 IP69K IK10

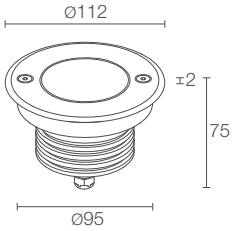
A A+ A++ IPS T max 50°C

24Vdc
CB3G0 **0** **0** **I** -

0 - 5W **1** - 9W
0 - CRI 80 **1** - CRI >90
0 - none **1** - anti-glare screen, half transparent and half serigraphed black (not compatible with the honeycomb louvre)
0 - not present **1** - present (not compatible with the anti-glare screen)
F - 2700K **5** - 3000K **9** - 4000K
S - 12° tiltable ±10° **M** - 20° tiltable ±10° **L** - 35° tiltable ±10° **K** - 57° tiltable ±10°
includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
440 lm (3000K, 5W, CRI 80) 792 lm (3000K, 9W, CRI 80)
282 lm (3000K, 35°, 5W, CRI 80) 508 lm (3000K, 35°, 9W, CRI 80)
1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
not included, see p. 78
recessed (ceiling, wall, ground)
see p. 76
see p. 734

BRIGHT 3.H





Ø 220 mm
H 150 mm

Ø 96 mm

kg 5000 kg 0.80 IP68 IP69K IK10

A A+ A++ IPS T max 50°C

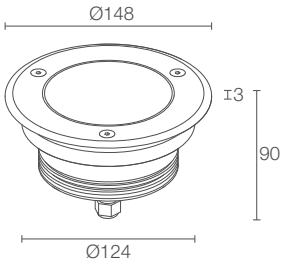
24Vdc
CB3H0000007 **0** **I** -

11W
RGBW
S - 18° **M** - 32° **L** - 58°
includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm **1** - 5 m
447 lm, R: 68 lm G: 139 lm B: 51 lm W: 189 lm (4000K)
278 lm, R: 43 lm G: 87 lm B: 32 lm W: 116 lm (4000K, 18°)
1 RGBW power LED group 50000h L85 B10 (Ta 25°C)
body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
not included, see p. 78
recessed (ceiling, wall, ground)
see p. 76
not suitable for use in swimming pools or fountains underwater fixtures p. 682
see p. 735

BRIGHT 5

BRIGHT 5.F





patented

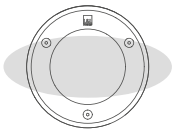
elliptical optics, adjusted manually with magnet

Ø 260 mm
H 150 mm

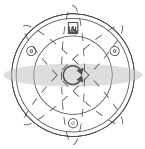
Ø 125 mm

kg 4000 kg 1.35 IP68 IP69K IK10

A A+ A++ IPS PID NTC T max 40°C



15°x47° optics

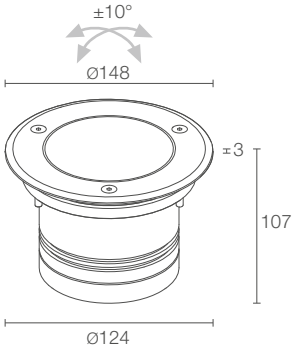


Adjustable 67°x11° optics

POWER SUPPLY	24Vdc
CODE	**CB5F0** ■ ■ **00** ■ ■ **0** ■ ■ **I** - ■
■ **POWER**	**0** - 14W **1** - 19W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **HONEYCOMB LOUVRE**	**0** - not present **1** - present (not compatible with the 67°x11° adjustable optics)
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**V** - 10° **T** - 12° **S** - 18° **M**- 31° **L** - 35° **K** - 56° **W**- 15°x47° **X** - 67°x11° adjustable
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	1131 lm (3000K, 14W, CRI 80) 1663 lm (3000K, 19W, CRI 80)
DELIVERED LUMEN OUTPUT	821 lm (3000K, 12°, 14W, CRI 80) 1208 lm (3000K, 12°, 19W, CRI 80)
NO. AND TYPE OF LED	3 high intensity power LEDs 3-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 78
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 76
FEATURES	67°x11° optics adjustable through 360° using magnet included
NOTES	not suitable for use in swimming pools or fountains underwater fixtures p. 682
PHOTOMETRIC DATA	see p. 735

BRIGHT 5.G





Ø 260 mm
H 150 mm

Ø 125 mm

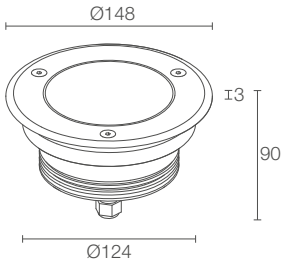
kg 4000 kg 1.65 IP67 IP69K IK09

A A+ A++ IPS T max 50°C

	24Vdc **CB5G0** **0 0** **0** **I -**
	0 - 10W **1** - 16W
	0 - CRI 80 **1** - CRI >90
	0 - not present **1** - present
	F - 2700K **5** - 3000K **9** - 4000K
	S - 12° tiltable ±10° **M**- 31° tiltable ±10° **L** - 38° tiltable ±10° **K** - 55° tiltable ±10°
	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	1033 lm (3000K, 10W, CRI 80) 1564 lm (3000K, 16W, CRI 80)
	816 lm (3000K, 55°, 10W, CRI 80) 1235 lm (3000K, 55°, 16W, CRI 80)
	1 high power density COB LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
	not included, see p. 78
	recessed (ceiling, wall, ground)
	see p. 76
	see p. 736

BRIGHT 5.H





Ø 260 mm
H 150 mm

Ø 125 mm

kg 4000 kg 1.35 IP68 IP69K IK10

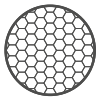
A A+ A++ IPS PID NTC T max 55°C

	24Vdc **CB5H0000007 0** **I -**
	20W
	RGBW
	S - 20° **M**- 34° **L** - 61°
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm **1** - 5 m
	1021 lm, R: 146 lm G: 329 lm B: 117 lm W: 429 lm (4000K)
	656 lm, R: 101 lm G: 204 lm B: 75 lm W: 276 lm (4000K, 20°)
	3 RGBW power LED groups 50000h L85 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
	not included, see p. 78
	recessed (ceiling, wall, ground)
	see p. 76
	not suitable for use in swimming pools or fountains underwater fixtures p. 682
	see p. 736

BRIGHT

ACCESSORIES

ANTI-GLARE ACCESSORIES



WH0101 (Bright 1.0 / 1.1 / 1.2 / 1.6 / 1.7)

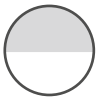
WH0201 (Bright 2.4 / 2.5)

Honeycomb louvre
built into the lighting fixture

order together with
the lighting fixture

the honeycomb louvre can be fitted
on all fixed optics except for the sharp,
8° asymmetrical, 8° and diffuse optics

OPTICAL ACCESSORIES



WE0400A (Bright 2.4 / 2.5)
compatible with versions
with white LED colour and
with all optics except for
8° asymmetrical and diffuse optics

WE0500A (Bright 1.0 / 1.1 / 1.2 / 1.6 / 1.7)
10°, 20°, 40° optics

Semi-diffusing screen,
half transparent
and half frosted

built into the lighting fixture

order together with
the lighting fixture



WE0400S (Bright 2.4 / 2.5 / 2.8 / 2.9)
compatible with versions
with white LED colour and
with all optics except for
8° asymmetrical and diffuse optics

WE0500S (Bright 1.0 / 1.1 / 1.2 / 1.6 / 1.7)
10°, 20°, 40° optics

Anti-glare screen,
half transparent and
half serigraphed black

built into the lighting fixture

order together with
the lighting fixture

ACCESSORIES FOR INSTALLATION



WC0202
Outer casing for solid walls
(Bright Mini 1.0 / 1.1
Bright 1.0 / 1.1 / 1.6 /
1.7 / 1.8 / 1.9)



WC0100
Outer casing
(Bright 2.4 / 2.5 / 2.8 / 2.9)



WC0103
Outer casing
(Bright 2.4 / 2.5 / 2.8 / 2.9)



WC0105
Outer casing
(Bright 3.F / 3.G / 3.H)



WC0150
Outer casing
(Bright 2.4 / 2.5 / 2.8 / 2.9)



WC0501
Outer casing
(Bright 5.F / 5.H)



WC0601
Outer casing
(Bright 5.F / 5.G / 5.H)



WC0701
Outer casing
(Bright 5.F / 5.G / 5.H)



WG0302
Fixing springs for installation
(Bright Mini 1.0 / 1.1)



WG0301
Fixing springs for installation
(Bright 1.0 / 1.1 /
1.6 / 1.7 / 1.8 / 1.9)



WG0100
Fixing springs for installation
(Bright 2.4 / 2.5 / 2.8 / 2.9)



WG0400
Fixing springs for installation
(Bright 3.F / 3.G / 3.H)



WG0200
Fixing springs for installation
(Bright 5.F / 5.G / 5.H)

for spare parts, see p. 866

POWER CABLES

to order the power cable, add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

(Bright 2.8 / 2.9)

Neoprene cables
05RN-F 2x0.35 Ø4.3 mm

WF0510
your choice of length

(Bright Mini 1.0 / 1.1)

order together with
the lighting fixture

v

BRIGHT 2.4
2700K, 5W, 11°, grey

Light planning by / ZKLD Light Design Studio
Project by / Hakan Kiran Architecture
Nurol Life, Istanbul, Turkey



BRIGHT

POWER SUPPLY UNITS

POWER SUPPLY UNITS Bright Mini 1.0 / 1.1

Max no. fixtures	PSU	IP	Page
1...n	12Vdc	20	847
1...n	24Vdc	20	847
1...n	12Vdc	67	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Bright 1.0 / 1.1 / 1.2

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

POWER SUPPLY UNITS Bright 1.6 / 1.7 / 2.8 / 2.9 / 3.F / 3.G / 5.F / 5.G

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Bright 1.8 / 1.9

Max no. fixtures	PSU	IP	Page
1...n	12Vdc	20	847
1...n	12Vdc	67	847
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Bright 2.4 / 2.5

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Bright 3.H / 5.H

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860

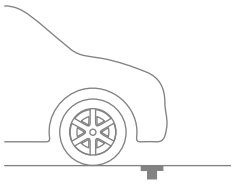
BRIGHT 3.F >
4000K, 10W, 21° - 38°, with honeycomb louvre

Carballeira de Moraña
Moraña, Pontevedra, Spain





^
LITUS 2.4
4000K, 7W, 8°
customized version with white-serigraphed screen



ROUND COVER
INSTALLATION IN SOLID WALLS

2700K 3000K 4000K

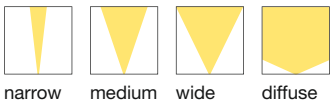
FIXED OPTICS

2700K 3000K 4000K

TILTABLE OPTICS

Ø48 mm

UP TO 2 m


narrow medium wide diffuse



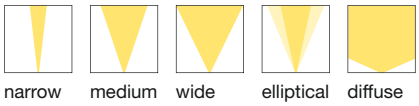


LITUS 1.0 p. 82
constant current
max 2W max 700mA

LITUS 1.6 p. 83
constant voltage
2.5W/3.5W 24Vdc

Ø72 mm

UP TO 4 m


narrow medium wide elliptical diffuse





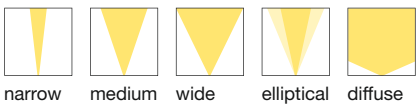
LITUS 2.4 p. 84
white light: constant voltage
3.5W/5W/7W 24Vdc
RGB light: constant current
max 7W max 700mA
RGB

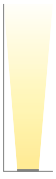


LITUS 2.8 p. 86
constant voltage
2.5W/3.5W 24Vdc

Ø96 mm

UP TO 7 m


narrow medium wide elliptical diffuse





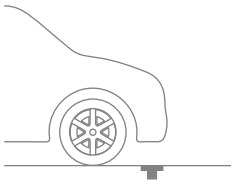
LITUS 5.4 p. 87
constant voltage
10W/13W 24Vdc



LITUS 5.6 p. 88
white light: constant voltage
3.5W/5W/7W 24Vdc
RGB light: constant current
max 7W max 700mA
RGB

LITUS

OUTDOOR RECESSED UPLIGHTS UNOBTRUSIVE, FOR ARCHITECTURAL LIGHTING



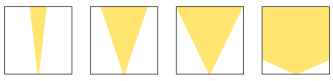
SQUARE COVER
INSTALLATION IN SOLID WALLS AND PLASTERBOARD

2700K 3000K 4000K — FIXED OPTICS

2700K 3000K 4000K — TILTABLE OPTICS

47x47 mm

UP TO 2 m


narrow medium wide diffuse





LITUS 1.1 p. 82
constant current
max 2W max 700mA

LITUS 1.7 p. 83
constant voltage
2.5W/3.5W 24Vdc

72x72 mm

UP TO 4 m


narrow medium wide elliptical diffuse





LITUS 2.5 p. 85
white light: constant voltage
3.5W/5W/7W 24Vdc
RGB light: constant current
max 7W max 700mA
RGB

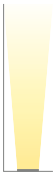


LITUS 2.9 p. 86
constant voltage
2.5W/3.5W 24Vdc

95x95 mm

UP TO 7 m


narrow medium wide elliptical diffuse





LITUS 5.5 p. 87
constant voltage
10W/13W 24Vdc



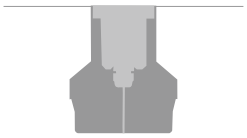
LITUS 5.7 p. 91
white light: constant voltage
3.5W/5W/7W 24Vdc
RGB light: constant current
max 7W max 700mA
RGB

LITUS 1

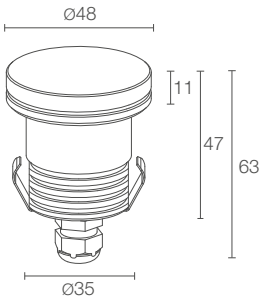




LITUS 1.0



Installation flush
with ground

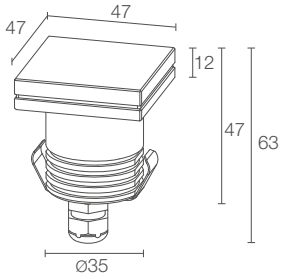


Ø 120 mm
H 110 mm

kg 1000 kg 0.20 IP67 IK08

A A+ A++ IPS T max 40°C

LITUS 1.1



Ø 120 mm
H 110 mm

48x48 mm

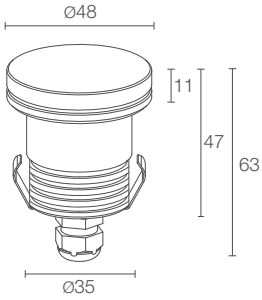
kg 1000 kg 0.20 IP67 IK08

A A+ A++ IPS T max 40°C

POWER / POWER SUPPLY	**max 2W max 700mA**	**max 2W max 700mA**
CODE	**LT1010 NV**	**LT1110 NV**
CRI	**0** - CRI 80 **1** - CRI >90	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 13° **M** - 22° **F** - 30° **P** - 35° sharp **L** - 48° **D** - diffuse	**S** - 13° **M** - 22° **F** - 30° **P** - 35° sharp **L** - 48° **D** - diffuse
LUMEN OUTPUT AT SOURCE	224 lm (3000K, 700mA, CRI 80)	224 lm (3000K, 700mA, CRI 80)
DELIVERED LUMEN OUTPUT	188 lm (3000K, 700mA, 22°, CRI 80)	188 lm (3000K, 700mA, 22°, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 93 and 844	not included, see p. 93 and 844
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
WIRING	series	series
MOUNTING	recessed (ceiling, wall, ground)	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 92	see p. 92
NOTES	version with screen in serigraphed-white glass available on request	version with screen in serigraphed-white glass available on request
PHOTOMETRIC DATA	see p. 783	see p. 783



LITUS 1.6



Ø 120 mm
H 110 mm

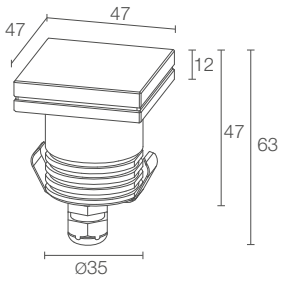
kg 1000 kg 0.20 IP67 IK08

A A+ A++ IPS T max 40°C

	2.5W 24Vdc **LT1600** **NV** **3.5W 24Vdc** **LT1601** **NV**
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	S - 13° **M** - 22° **F** - 30° **P** - 35° sharp **L** - 48° **D** - diffuse
	224 lm (3000K, 3.5W, CRI 80)
	188 lm (3000K, 22°, 3.5W, CRI 80)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
	not included, see p. 93
	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
	parallel
	recessed (ceiling, wall, ground)
	see p. 92
	version with screen in serigraphed-white glass available on request
	see p. 783



LITUS 1.7



Ø 120 mm
H 110 mm

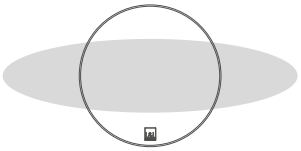
48x48 mm

kg 1000 kg 0.20 IP67 IK08

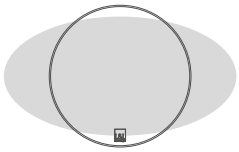
A A+ A++ IPS T max 40°C

	2.5W 24Vdc **LT1700** **NV** **3.5W 24Vdc** **LT1701** **NV**
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	S - 13° **M** - 22° **F** - 30° **P** - 35° sharp **L** - 48° **D** - diffuse
	224 lm (3000K, 3.5W, CRI 80)
	188 lm (3000K, 22°, 3.5W, CRI 80)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
	not included, see p. 93
	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
	parallel
	recessed (ceiling, wall, ground)
	see p. 92
	version with screen in serigraphed-white glass available on request
	see p. 783

LITUS 2



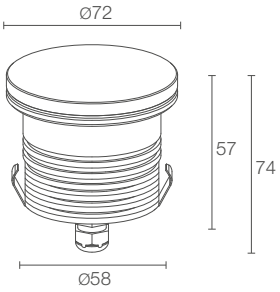
13°x52° optics



21°x42° optics

LITUS 2.4





Ø 150 mm
H 160 mm

kg 1000 kg 0.35 IP67 IK08

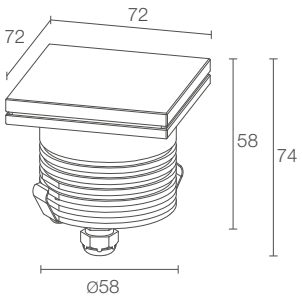
A A+ A++ IPS PID T max 40°C

v
LITUS 2.4
3000K, 7W, 61° sharp
with anti-glare screen



POWER SUPPLY **CODE**	24Vdc white light **LT240** ■ ■ ■ ■ **NV** max 7W max 700mA RGB light **LT2432 6** ■ **NV**
■ **POWER**	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**U** - 5° only 3.5W (4000K only CRI 80) **V** - 8° **T** - 11° **S** - 17° **P** - 21° sharp **M** - 34° **L** - 45° **Q** - 61° sharp **W** - 13°x52° **D** - diffuse RGB: **S** - 20° **M** - 34° **L** - 45° **W** - 21°x42°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 93
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 92
NOTES	version with screen in serigraphed-white glass available on request
PHOTOMETRIC DATA	see p. 784

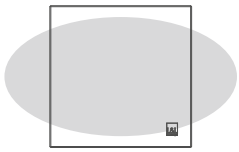
LITUS 2.5







13°x52° optics



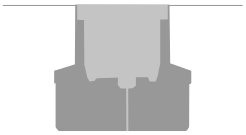
21°x42° optics

Ø 150 mm
H 160 mm

74x74 mm

kg 1000 kg 0.37 IP67 IK08

A A+ A++ IPS PID T max 40°C



Installation flush
with ground

	24Vdc white light **LT250** ■ ■ ■ ■ **NV** max 7W max 700mA RGB light **LT2532 6** ■ **NV**
■	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
■	**0** - CRI 80 **1** - CRI >90
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**U** - 5° only 3.5W (4000K only CRI 80) **V** - 8° **T** - 11° **S** - 17° **P** - 21° sharp **M** - 34° **L** - 45° **Q** - 61° sharp **W** - 13°x52° **D** - diffuse RGB: **S** - 20° **M** - 34° **L** - 45° **W** - 21°x42°
	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
	not included, see p. 93
	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
	parallel RGB: series
	recessed (ceiling, wall, ground)
	see p. 92
	version with screen in serigraphed-white glass available on request
	see p. 784

LITUS 2

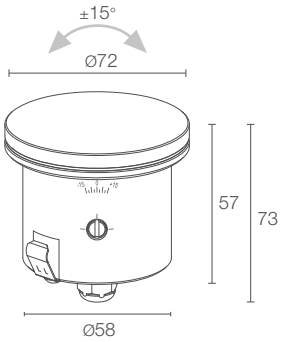




LITUS 2.8



Installation flush
with ground



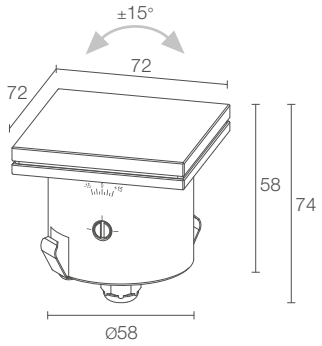
Ø 150 mm
H 160 mm

kg 1000 kg 0.30 IP67 IK08

A A+ A++ IPS T max 40°C

POWER / POWER SUPPLY **CODE**	2.5W 24Vdc **LT2800** **NV** 3.5W 24Vdc **LT2801** **NV**
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 13° tiltable ±15° **M** - 22° tiltable ±15° **F** - 30° tiltable ±15° **P** - 35° sharp tiltable ±15° **L** - 48° tiltable ±15°
LUMEN OUTPUT AT SOURCE	224 lm (3000K, 3.5W, CRI 80)
DELIVERED LUMEN OUTPUT	188 lm (3000K, 22°, 3.5W, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 93
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 92
NOTES	version with screen in serigraphed-white glass available on request
PHOTOMETRIC DATA	see p. 783

LITUS 2.9



Ø 150 mm
H 160 mm

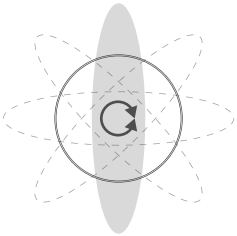
74x74 mm

kg 1000 kg 0.30 IP67 IK08

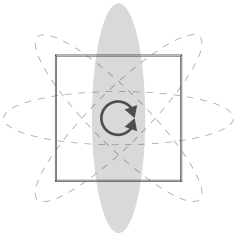
A A+ A++ IPS T max 40°C

	2.5W 24Vdc **LT2900** **NV** 3.5W 24Vdc **LT2901** **NV**
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	S - 13° tiltable ±15° **M** - 22° tiltable ±15° **F** - 30° tiltable ±15° **P** - 35° sharp tiltable ±15° **L** - 48° tiltable ±15°
	224 lm (3000K, 3.5W, CRI 80)
	188 lm (3000K, 22°, 3.5W, CRI 80)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
	not included, see p. 93
	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
	recessed (ceiling, wall, ground)
	see p. 92
	version with screen in serigraphed-white glass available on request
	see p. 783

LITUS 5



Adjustable
16°x69° optics





Installation flush
with ground

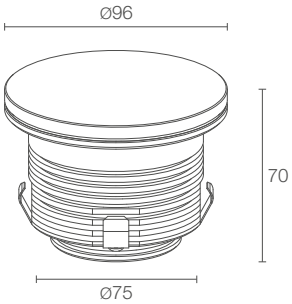


patented

elliptical optics,
adjusted manually
with magnet
(Litus 5.4 / 5.5)



LITUS 5.4

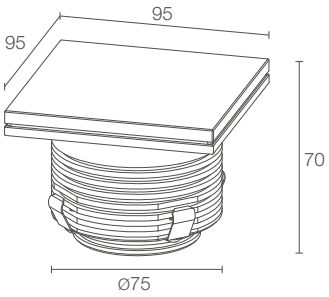


Ø 180 mm
H 180 mm

kg 1000 kg 0.60 IP67 IK08

A A+ A++ IPS T max 40°C

LITUS 5.5



Ø 180 mm
H 180 mm

98x98 mm

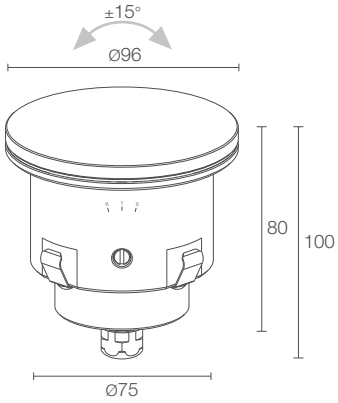
kg 1000 kg 0.70 IP67 IK08

A A+ A++ IPS T max 40°C

	LITUS 5.4	LITUS 5.5
POWER / POWER SUPPLY CODE	10W 24Vdc **LT5400** ■ ■ ■ **NV** 13W 24Vdc **LT5401** ■ ■ ■ **NV**	10W 24Vdc **LT5500** ■ ■ ■ **NV** 13W 24Vdc **LT5501** ■ ■ ■ **NV**
■ **CRI**	**0** - CRI 80 **1** - CRI >90	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 16° **M** - 21° **L** - 38° **P** - 58° sharp **K** - 55° **W** - 16°x69° adjustable **D** - diffuse 8° (only 10W) on request	**S** - 16° **M** - 21° **L** - 38° **P** - 58° sharp **K** - 55° **W** - 16°x69° adjustable **D** - diffuse 8° (only 10W) on request
LUMEN OUTPUT AT SOURCE	1115 lm (3000K, 10W, CRI 80) 1485 lm (3000K, 13W, CRI 80)	1115 lm (3000K, 10W, CRI 80) 1485 lm (3000K, 13W, CRI 80)
DELIVERED LUMEN OUTPUT	800 lm (3000K, 38°, 10W, CRI 80) 1065 lm (3000K, 38°, 13W, CRI 80)	800 lm (3000K, 38°, 10W, CRI 80) 1065 lm (3000K, 38°, 13W, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 93	not included, see p. 93
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
MOUNTING	recessed (ceiling, wall, ground)	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 92	see p. 92
FEATURES	16°x69° optics adjustable through 360° using the magnet provided	16°x69° optics adjustable through 360° using the magnet provided
NOTES	version with screen in serigraphed-white glass available on request	version with screen in serigraphed-white glass available on request
PHOTOMETRIC DATA	see p. 785	see p. 785

LITUS 5







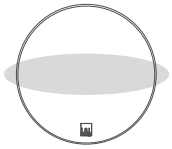
Installation flush with ground

LITUS 5.6

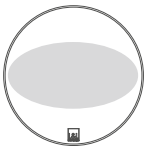
Ø 150 mm
H 160 mm

kg 1000 kg 0.70 IP67 IK08

A A+ A++ IPS PID T max 40°C



13°x52° optics



21°x42° optics

POWER SUPPLY **CODE**	24Vdc white light **LT560** ■ ■ ■ ■ **NV** max 7W max 700mA RGB light **LT5632 6** ■ **NV**
■ **POWER**	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**U** - 5° tiltable ±15° only 3.5W (4000K only CRI 80) **V** - 8° tiltable ±15° **T** - 11° tiltable ±15° **S** - 17° tiltable ±15° **P** - 21° sharp tiltable ±15° **M** - 34° tiltable ±15° **L** - 45° tiltable ±15° **Q** - 61° sharp tiltable ±15° **W** - 13°x52° tiltable ±15° RGB: **S** - 20° tiltable ±15° **M** - 34° tiltable ±15° **L** - 45° tiltable ±15° **W** - 21°x42° tiltable ±15°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 93
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 92
NOTES	version with screen in serigraphed-white glass available on request
PHOTOMETRIC DATA	see p. 784



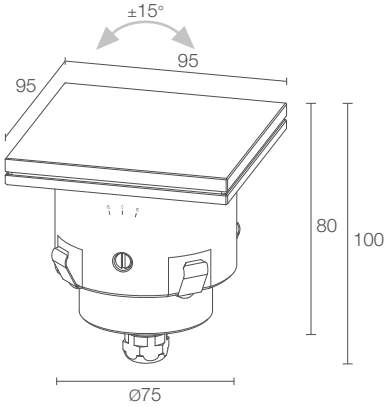


LITUS 5.7



Installation flush
with ground



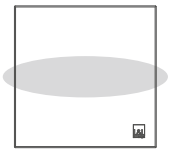


Ø 150 mm
H 160 mm

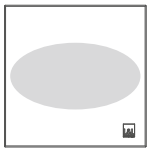
98x98 mm

kg 1000 kg 0.70 IP67 IK08

A A+ A++ IPS PID T max 40°C



13°x52° optics



21°x42° optics

POWER SUPPLY **CODE**	24Vdc white light **LT570** ■ ■ ■ ■ **NV** max 7W max 700mA RGB light **LT5732 6** ■ **NV**
■ **POWER**	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**U** - 5° tiltable ±15° only 3.5W (4000K only CRI 80) **V** - 8° tiltable ±15° **T** - 11° tiltable ±15° **S** - 17° tiltable ±15° **P** - 21° sharp tiltable ±15° **M** - 34° tiltable ±15° **L** - 45° tiltable ±15° **Q** - 61° sharp tiltable ±15° **W** - 13°x52° tiltable ±15° RGB: **S** - 20° tiltable ±15° **M** - 34° tiltable ±15° **L** - 45° tiltable ±15° **W** - 21°x42° tiltable ±15°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80) RGB: 311 lm, R: 108 lm G: 133 lm B: 70 lm (700mA)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80) RGB: 253 lm, R: 98 lm G: 114 lm B: 41 lm (700mA, 34°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 93
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 92
NOTES	version with screen in serigraphed-white glass available on request
PHOTOMETRIC DATA	see p. 784

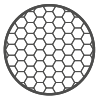
< LITUS 5.4
2700K, 10W, 16°, with honeycomb louvre

Light planning by / Susanna Antico Lighting Design Studio
Cascina Ranverso, Buttigliera Alta, Turin, Italy

LITUS

ACCESSORIES AND POWER SUPPLY UNITS

ANTI-GLARE ACCESSORIES



WH0100 (Litus 1.0 / 1.6)
WH0203 (Litus 2.4 / 2.5)
WH0204 (Litus 5.4 / 5.5)
WH0205 (Litus 5.6 / 5.7)

Honeycomb louvre
built into the lighting fixture

order together with the lighting fixture

the honeycomb louvre can be fitted:
- on all optics except for sharp, diffuse and 16°x69° adjustable optics
- on 5° and 8° optics on request



WE0600S (Litus 1.0 / 1.6)
WE0601S (Litus 1.1 / 1.7)
WE0602S (Litus 2.4 / 2.8)
WE0603S (Litus 2.5 / 2.9)
WE0604S (Litus 5.4 / 5.6)
WE0605S (Litus 5.5 / 5.7)

Anti-glare screen, half transparent and half serigraphed black
built into the lighting fixture

order together with the lighting fixture

the anti-glare screen can be fitted on the versions with white LED colour and on all optics except for the 48° optics

ACCESSORIES FOR INSTALLATION



WC4010
Outer casing
(Litus 1.0 / 1.6)



WC4011
Outer casing
(Litus 1.1 / 1.7)



WC4020
Outer casing
(Litus 2.4 / 2.8)



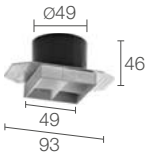
WC4021
Outer casing
(Litus 2.5 / 2.9)



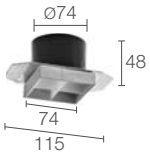
WC4050
Outer casing
(Litus 5.4 / 5.6)



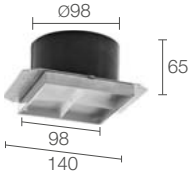
WC4051
Outer casing
(Litus 5.5 / 5.7)



WC4511
Outer casing for plasterboard
(Litus 1.1 / 1.7)



WC4521
Outer casing for plasterboard
(Litus 2.5 / 2.9)



WC4551
Outer casing for plasterboard
(Litus 5.5 / 5.7)



WL0100
Suction cup
(Litus 1.0 / 1.1 / 1.6 / 1.7 / 2.4 / 2.5 / 2.8 / 2.9)



WL0500
Suction cup
(Litus 5.4 / 5.5 / 5.6 / 5.7)

for spare parts, see p. 866

POWER CABLES

to order the power cable, add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

RGB

FEP+RUB cables
(equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

POWER SUPPLY UNITS Litus 1.0 / 1.1

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

700mA

Max no. fixtures	PSU	IP	Page
1/3	A13700QL	20	845
1/7 dimmer	ADUNITC	20	848 849 850
1/7	ACUNI020T1	20	844 845
1/3	A13700IP67	67	845
1/9	A39700IP67	67	845

POWER SUPPLY UNITS Litus 1.6 / 1.7 / 2.8 / 2.9 / 5.4 / 5.5

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

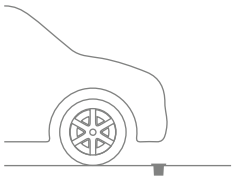
POWER SUPPLY UNITS Litus 2.4 / 2.5 / 5.6 / 5.7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860



CORSO

OUTDOOR RECESSED





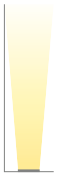
3000K 4000K



UP TO 3 m



UP TO 5 m



UP TO 7 m



UP TO 10 m

Ø85 mm



CORSO 1.0 p. 98
3.5W 110-230Vac

Ø112 mm



CORSO 2.0 p. 98
8W 110-230Vac

Ø148 mm



CORSO 3.0 p. 99
15W 230Vac

Ø200 mm



CORSO 4.0 p. 99
21W 230Vac

< CORSO 2.0
3000K, 8W, 36°

MAXIMUM RESISTANCE TO CORROSION

The technopolymer used for the fixture's body cannot be damaged by atmospheric agents and is the ideal choice for saline and high-corrosion environments. In addition, as it is a thermally conductive material, it is a highly efficient heat dissipater, so the power supply can be housed inside the body.

BUILT-IN PROTECTION SYSTEMS:

IPS INTELLIGENT PROTECTION SYSTEM

PID PROTECTIVE IMPEDANCE DEVICE



IP68 WATERTIGHT CONNECTOR: THE 230VAC BUILT-IN POWER SUPPLY UNIT: ALLOWS THE FIXTURE TO BE CONNECTED DIRECTLY TO THE NEOPRENE CABLE WITHOUT THE NEED FOR REMOTE DRIVERS

CORSO

UNIQUE SELLING POINTS

TRIM IN AISI 316L STAINLESS STEEL MADE ENTIRELY ON A CNC LATHE, MICRO-BLASTED, PASSIVATED AND ELECTROPOLISHED, THE BEST CORROSION TREATMENT



SCREEN IN TEMPERED, TRANSPARENT EXTRA-CLEAR GLASS

IK08

DRIVE-OVER UP TO 1000 KG

INGRESS PROTECTION
IP65
IP67

IP65
IP67

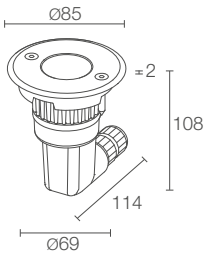


THE OUTER CASING'S LOW HEIGHT MEANS IT CAN BE INSTALLED IN REDUCED THICKNESSES SUCH AS PAVEMENTS

CORSO

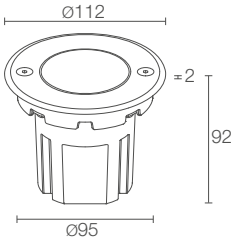


CORSO 1.0





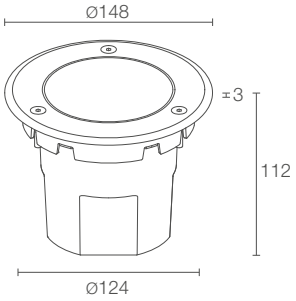
CORSO 2.0



	CE LED TECH kg 500 kg 0.40 IP65 IP67 IK08 A A+ A++ IPS PID T max 50°C	CE LED TECH kg 500 kg 0.70 IP65 IP67 IK08 A A+ A++ IPS PID T max 50°C
POWER / POWER SUPPLY **CODE**	**3.5W 110-230Vac** **CR10100000 0 I**	**8W 110-230Vac** **CR20100000 0 I**
LED COLOUR	**5** - 3000K **9** - 4000K 2700K on request	**5** - 3000K **9** - 4000K 2700K on request
OPTICS	**S** - 13° **M** - 28° **L** - 37°	**S** - 12° **M** - 36° **L** - 70°
LUMEN OUTPUT AT SOURCE	224 lm (3000K)	657 lm (3000K)
DELIVERED LUMEN OUTPUT	178 lm (3000K, 13°)	504 lm (3000K, 36°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
POWER SUPPLY UNIT	built in	built in
MOUNTING	recessed (ground)	recessed (ground)
ACCESSORIES	see p. 100	see p. 100
FEATURES	electrical wiring simplified by the ability to connect the electrical cables directly to the fixture	electrical wiring simplified by the ability to connect the electrical cables directly to the fixture
NOTES		
PHOTOMETRIC DATA	see p. 751	see p. 751



CORSO 3.0



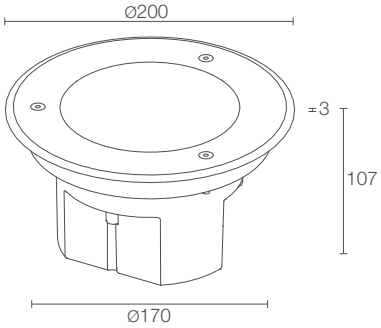
kg 1000 kg 1.30 IP65 IP67 IK08

A A+ A++ IPS T max 50°C

	15W 230Vac **CR30100000** **0** **I**
	5 - 3000K **9** - 4000K 2700K on request
	S - 13° **M** - 40° **L** - 58°
	1360 lm (3000K)
	1112 lm (3000K, 40°)
	1 high power density COB LED 3-step MacAdam, 50000h L95 B10 (Ta 25°C)
	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
	built in
	recessed (ground)
	see p. 100
	electrical wiring simplified by the ability to connect the electrical cables directly to the fixture
	see p. 752



CORSO 4.0



kg 1000 kg 1.75 IP65 IP67 IK08

A A+ A++ IPS T max 50°C

	21W 230Vac **CR40100000** **0** **I**
	5 - 3000K **9** - 4000K 2700K on request
	S - 13° **M** - 38° **L** - 71°
	2200 lm (3000K)
	1740 lm (3000K, 13°)
	1 high power density COB LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, serigraphed-grey and transparent extra-clear glass
	built in
	recessed (ground)
	see p. 100
	electrical wiring simplified by the ability to connect the electrical cables directly to the fixture
	versions with DALI and in/out connection available on request
	see p. 752

CORSO

ACCESSORIES

ACCESSORIES FOR INSTALLATION



WCA04
Outer casing
(Corso 1.0)



WC0105
Outer casing
(Corso 2.0)



WC0601
Outer casing
(Corso 3.0)



WC0701
Outer casing
(Corso 3.0)



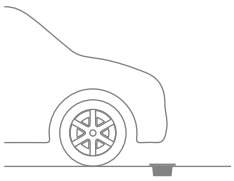
WCA03
Outer casing
(Corso 4.0)





STRA

OUTDOOR RECESSED UPLIGHTS
ARCHICTECTURAL LIGHTING FOR LARGE BUILDINGS



2700K 3000K 4000K

2700K 3000K 4000K

RGBW

FIXED OPTICS



narrow medium wide elliptical wall washer

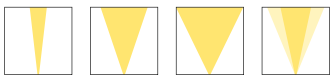


STRA 1.0 p. 106
37W 230Vac



STRA 5.0 p. 109
39W 24Vdc

ADJUSTABLE OPTICS



narrow medium wide elliptical





STRA 2.0 p. 106
1 set of optics
25W 230Vac



STRA 3.0 p. 107
2 sets of optics
25W 230Vac



STRA 4.0 p. 107
25W 230Vac



STRA 1.0:
66°x11° OPTICS
ADJUSTABLE THROUGH
360° USING MAGNET
INCLUDED
(PATENTED)







TRIM IN AISI 316L STAINLESS STEEL,
PRODUCED ENTIRELY
ON A CNC LATHE,
MICROBLASTED, PASSIVATED
AND ELECTROPOLISHED.
THE BEST CORROSION
TREATMENT



BUILT-IN
PROTECTION
SYSTEMS:

IPS
INTELLIGENT PROTECTION SYSTEM

PID
PROTECTIVE IMPEDANCE DEVICE

SPD
SURGE PROTECTION DEVICE

6-STEP MATERIAL PROTECTION,
AND OXIDATION AND
CORROSION RESISTANCE

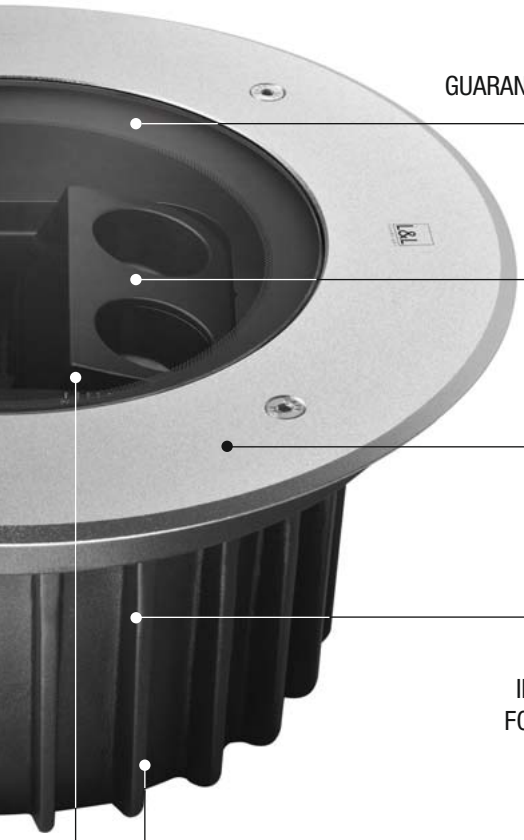
EN AB 47100 low-copper-content aluminium alloy
Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with Qualicoat automotive coating standard
Salt spray tested (over 1500 hours)



INFRARED REMOTE CONTROL
TO REMOTELY ADJUST THE
LIGHT BEAM BY ±10° (STRA 4.0)

STRA

UNIQUE SELLING POINTS



TEMPERED, TRANSPARENT EXTRA-CLEAR GLASS WITH VITRIFIED SERIGRAPHY, HIGH TRANSMITTANCE TO ENSURE CHROMATIC UNIFORMITY. THE GLASS'S THICKNESS OF 15 MM GUARANTEES MAXIMUM IMPACT RESISTANCE

IK10

CRI 80 AND CRI >90 VERSIONS

DRIVE-OVER UP TO 5000 KG

IP67
IP68
WITH PURPOSE-BUILT OUTER CASING

IP67
IP68

IP68 STAINLESS STEEL OUTER CASING FOR INSTALLATION WITHOUT DRAINAGE

IP69K
RESISTANT TO CLEANING WITH HIGH-PRESSURE, HIGH-TEMPERATURE SPRAY-DOWNS (ISO 20653 COMPLIANT)

IP69K

ANTI-GLARE
RECESSED OPTICS

WALL
WASHER OPTICS
(STRA 1.0)

TWO INDEPENDENT
OPTICAL GROUPS
(STRA 3.0)



STRA 1.0

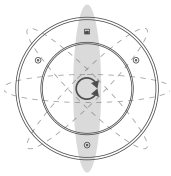


STRA 3.0

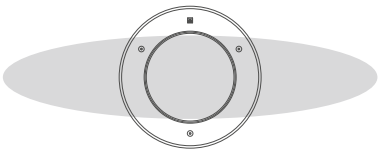


PROJECTOR VERSION:
STRA P, P. 236

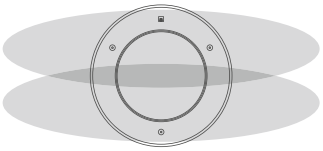
STRA



Adjustable 66°x11° optics
(Stra 1.0)



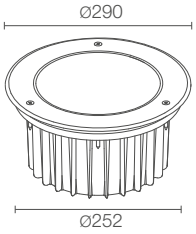
10°x45° optics
(Stra 1.0 / 2.0 / 4.0)



10°x45° optics
(Stra 3.0)



STRA 1.0



patented

elliptical optics,
adjusted manually
with magnet

Ø 660 mm
H 265 mm

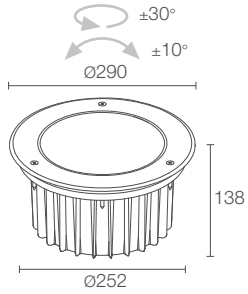
Ø 210 mm

kg 5000 kg 5.00 IP67 IP68 IP69K IK10
with purpose-built outer casing

A A+ A++ IPS PID SPD T max 50°C



STRA 2.0



Ø 660 mm
H 265 mm

Ø 210 mm

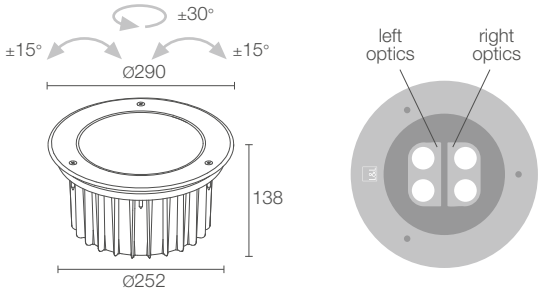
kg 5000 kg 5.00 IP67 IP68 IP69K IK10
with purpose-built outer casing

A A+ A++ IPS PID SPD T max 50°C

	STRA 1.0	STRA 2.0
POWER / POWER SUPPLY	37W 230Vac	25W 230Vac
CODE	**CS1010** ■■■ **I** Micro-blasted stainless steel 37W 230Vac 1-10V **CS1010** ■■■ **IR** Micro-blasted stainless steel	**CS2010** ■■■ **I** Micro-blasted stainless steel
■ **CRI**	**0** - CRI 80 **1** - CRI >90	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**V** - 11° **S** - 14° **M** - 30° **L** - 37° **W** - 10°x45° **X** - 66°x11° adjustable **H** - wall washer	**V** - 11° adjustable **S** - 14° adjustable **M** - 30° adjustable **L** - 37° adjustable **W** - 10°x45° adjustable
LUMEN OUTPUT AT SOURCE	3402 lm (3000K, CRI 80)	2322 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	2024 lm (3000K, 30°, CRI 80) 2205 lm (3000K, 66°x11°, CRI 80)	1350 lm (3000K, 30°, CRI 80)
NO. AND TYPE OF LED	4 high intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	4 high intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in	built in
POWER CABLES	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
MOUNTING	recessed (ground)	recessed (ground)
ACCESSORIES	see p. 110	see p. 110
FEATURES	66°x11° optics adjustable through 360° using the magnet provided	manually adjustable optics: ±10° on z-axis, ±30° on x-axis
NOTES	not suitable for use in swimming pools or fountains projector version: Stra P 1.0, p. 237 DALI version available on request	not suitable for use in swimming pools or fountains
PHOTOMETRIC DATA	see p. 824	see p. 825



STRA 3.0



Ø 660 mm
H 265 mm

Ø 210 mm

kg 5000 kg 5.00 IP67 IP68 IP69K IK10
with purpose-built outer casing

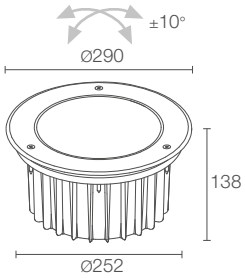
A A+ A++ IPS PID SPD T max 50°C

25W 230Vac
CS3010 ■ ■ ■ ■ **I** Micro-blasted stainless steel

■	**0** - CRI 80 **1** - CRI >90
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	left optics: **V** - 11° adjustable **S** - 14° adjustable **M** - 30° adjustable **L** - 37° adjustable **W** - 10°x45° adjustable right optics: **V** - 11° adjustable **S** - 14° adjustable **M** - 30° adjustable **L** - 37° adjustable **W** - 10°x45° adjustable
	2411 lm (3000K, CRI 80)
	1395 lm (3000K, 30°, CRI 80)
	4 high intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	recessed (ground)
	see p. 110
	2 optical groups, adjustable manually and singly: ±15° on the z axis, ±30° on the x axis
	not suitable for use in swimming pools or fountains
	see p. 825



STRA 4.0



patent pending

Ø 660 mm
H 265 mm

Ø 210 mm

Required infrared remote control, not included

kg 5000 kg 5.00 IP67 IP68 IP69K IK10
with purpose-built outer casing

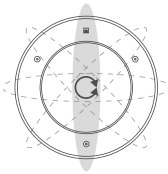
A A+ A++ IPS PID SPD T max 50°C

25W 230Vac
CS4010 ■ ■ ■ ■ **I** Micro-blasted stainless steel

■	**0** - CRI 80 **1** - CRI >90
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 14° adjustable **M** - 30° adjustable **L** - 37° adjustable **W** - 10°x45° adjustable
	2411 lm (3000K, CRI 80)
	1395 lm (3000K, 30°, CRI 80)
	4 high intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	recessed (ground)
	see p. 110
	motorized adjustable optics: ±10° in every direction
	not suitable for use in swimming pools or fountains
	see p. 825



STRA



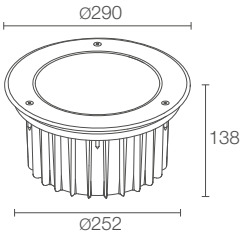
Adjustable 66°x11° optics



STRA 5.0

patented

elliptical optics,
adjusted manually
with magnet



Ø 660 mm
H 265 mm

Ø 210 mm

kg 5000 kg 5.00 IP67 IP68 IP69K IK10
with purpose-built outer casing

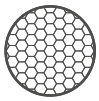
A A+ A++ IPS PID T max 50°C

POWER / POWER SUPPLY	39W 24Vdc
CODE	**CS5000 7 ■ H** Micro-blasted stainless steel
■ **OPTICS**	**S** - 24° **M** - 33° **L** - 60° **W** - 32°x61° **X** - 66°x11° adjustable **H** - wall washer
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	2048 lm, R: 352 lm G: 640 lm B: 208 lm W: 848 lm (4000K)
DELIVERED LUMEN OUTPUT	1216 lm, R: 209 lm G: 380 lm B: 123 lm W: 504 lm (4000K, 33°)
NO. AND TYPE OF LED	4 RGBW power LED groups 50000h L85 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 110
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
MOUNTING	recessed (ground)
ACCESSORIES	see p. 110
FEATURES	66°x11° optics adjustable through 360° using the magnet provided
NOTES	not suitable for use in swimming pools or fountains projector version: Stra P 5.0, p. 238
PHOTOMETRIC DATA	see p. 826

STRA

ACCESSORIES AND POWER SUPPLY UNITS

ANTI-GLARE ACCESSORIES



WH0610

Honeycomb louvre
built into the lighting fixture

order together with
the lighting fixture

the honeycomb louvre can be fitted on all
optics except for 66°x11° and wall washer optics

ACCESSORIES FOR INSTALLATION



WC5610

Stainless steel outer casing
(Stra IP67)



WC5611

Stainless steel outer casing
(Stra IP68)

WE0202

Tamper-resistant screw kit

WE0203

Screwdriver for tamper-resistant screws

TLC07

Infrared remote control
(Stra 4.0)

for spare parts, see p. 866

POWER SUPPLY UNITS Stra 5.0

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860

STRA 1.0 >
3000K, 37W, 37°

Light planning by / Studio Luce Bi Esse
Private residence, Cuneo, Italy

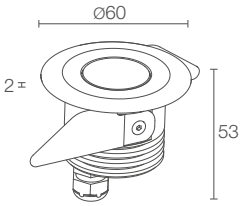




BEAM



BEAM 1.0



Ø 80 mm
H 100 mm

Ø 45 mm

kg 0.28 IP67 IK09

A A+ A++ T max 50°C

POWER / POWER SUPPLY **CODE**	max 3W max 700mA blue/white light **CD1013 A I** Stainless steel **CD1013 A F** Grey max 3W max 350mA RGB light **CD1011 6 A I** Stainless steel **CD1011 6 A F** Grey
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 8° **M** - 26° **L** - 44° **D** - diffuse RGB: **S** - 19° **M** - 30° **L** - 37° **D** - diffuse
LUMEN OUTPUT AT SOURCE	184 lm (3000K, 700mA) RGB: 217 lm, R: 80 lm G: 104 lm B: 33 lm (350mA)
DELIVERED LUMEN OUTPUT	114 lm (3000K, 700mA, 26°) RGB: 154 lm, R: 57 lm G: 74 lm B: 23 lm (350mA, 19°)
NO. AND TYPE OF LED	1 power LED, 1/4 ANSI BIN (white LED colour) RGB: 3 full-colour LEDs 50000h L80 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in AISI 316L stainless steel or aluminium screen in transparent extra-clear glass (optics version) screen in sandblasted extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 114 and 844
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	series
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 114
NOTES	version with 24Vdc power supply available on request
PHOTOMETRIC DATA	see p. 725

< **BEAM 1.0**
RGB, 3W, 30°, stainless steel

Project and light planning by / DVDV Studio Architetti
Photo by / Alessio Tamborini
Private residence, Milan, Italy

BEAM

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC1501

Outer casing for solid walls

POWER CABLES

to order the power cable, add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

RGB

FEP+RUB cables
(equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

POWER SUPPLY UNITS

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

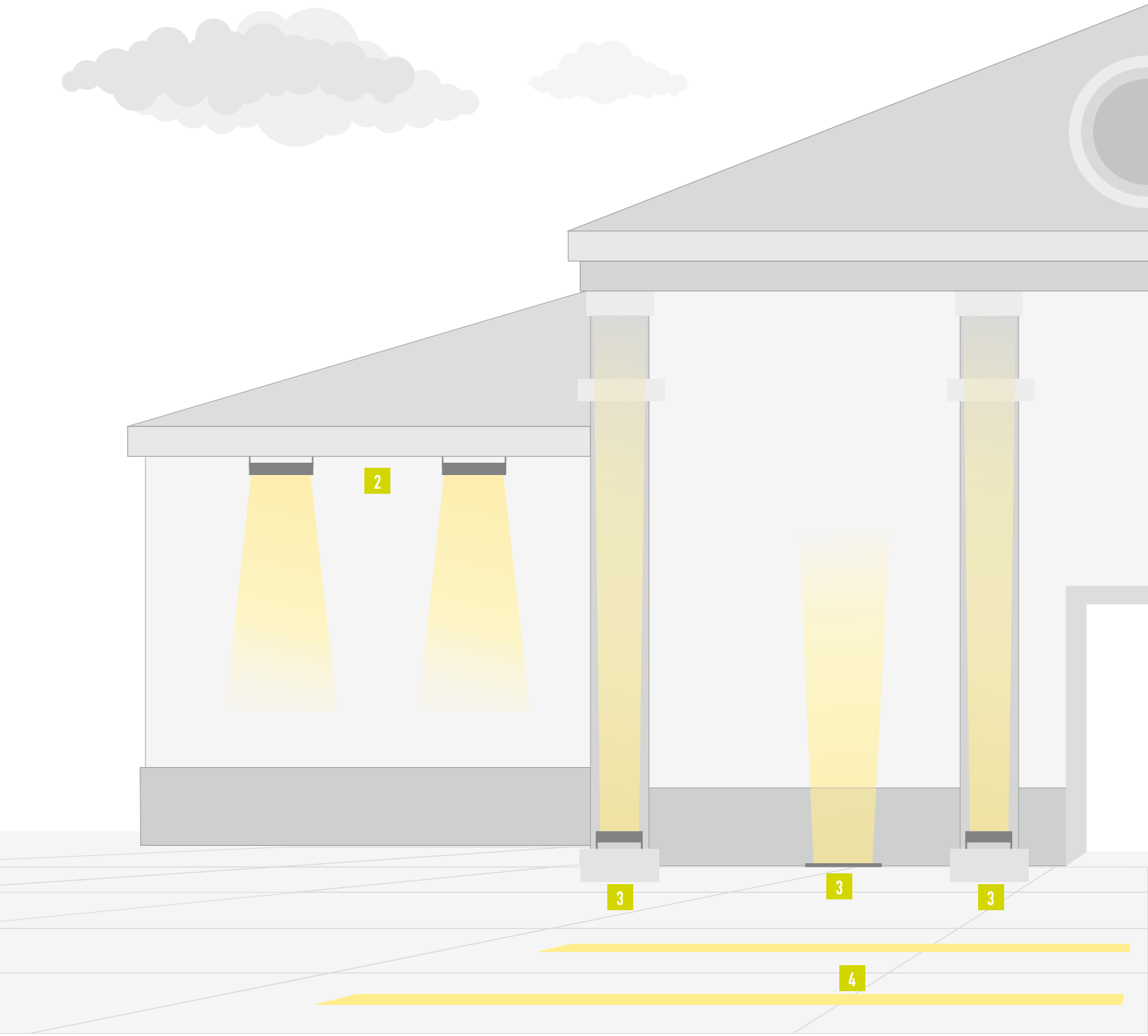
700mA

Max no. fixtures	PSU	IP	Page
1/3	A13700QL	20	845
1/7 dimmer	ADUNITC	20	848 849 850
1/7	ACUNI020T1	20	844 845
1/3	A13700IP67	67	845
1/9	A39700IP67	67	845

BEAM 1.0 >
3000K, 3W, 44°
customized version with white finish

Light planning by / Leumax Lighting solutions
Villa Elena, Poreč, Croatia





1 **RIVER** p. 120

2 **RIVER WALL** p. 121

LINEAR PROFILES

FOR OUTDOOR APPLICATIONS



3 **NEVA** p. 136

4 **RIO** p. 158



RIVER

see p. 120

MOUNTING	RECESSED	
	SURFACE MOUNTED WITH BRACKETS	
BEAM	DIFFUSE VERSION	
	OPTICS VERSION	
LIGHT COLOUR		2700K 3000K 4000K 5000K blue RGBW
POWER SUPPLY	CONSTANT VOLTAGE power supply unit not included	48Vdc
	MAINS VOLTAGE built-in power supply unit	230Vac
CONTROL SYSTEM		DMX / RDM
PITCH		50
IP		IP67
APPLIANCE CLASS		



RIVER WALL

see p. 121



NEVA

see p. 136



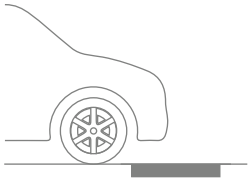
RIO

see p. 158

•	•	
2700K 3000K 4000K 5000K blue RGBW	2700K 3000K 4000K RGB RGBW DYNAMIC WHITE	2600K 2800K 3700K RGB
48Vdc	24Vdc	24Vdc
230Vac	230Vac	
DMX / RDM	DMX / RDM / 0-10V	
50	60 / 120	
IP66	IP65 / IP67	IP67



^
RIVER WALL 2.0
3000K, 40W, 11°, with brackets



RECESSED INSTALLATION

	500 mm	1000 mm
WITH OPTICS – PITCH 50 mm 2700K 3000K 4000K 5000K blue narrow medium wide elliptical	 **RIVER 1.0** p. 122 20W 230Vac	 **RIVER 2.0** p. 124 40W 230Vac
WITH OPTICS – PITCH 50 mm 2700K 3000K 4000K 5000K blue wall washer	 **RIVER 1.1** p. 123 20W 230Vac	 **RIVER 2.1** p. 125 40W 230Vac
WITH OPTICS – PITCH 50 mm RGBW narrow medium wide	 **RIVER 4.0** p. 127 30W 48Vdc with DMX	 **RIVER 5.0** p. 127 60W 48Vdc with DMX
DIFFUSE OPTICS 2700K 3000K 4000K diffuse	 **RIVER 1.2** p. 123 10W 230Vac	 **RIVER 2.2** p. 125 20W 230Vac

RIVER / RIVER WALL

OUTDOOR LINEAR PROFILES
LIGHTING WITH DIFFUSE LIGHT OR OPTICS FOR WALLS AND FACADES

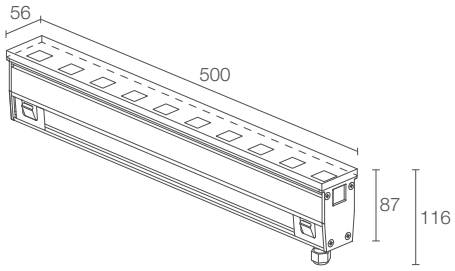


INSTALLATION ON BRACKETS	520 mm	1020 mm
WITH OPTICS – PITCH 50 mm 2700K 3000K 4000K 5000K blue narrow medium wide elliptical	 **RIVER WALL 1.0** p. 128 20W 230Vac	 **RIVER WALL 2.0** p. 130 40W 230Vac
WITH OPTICS – PITCH 50 mm 2700K 3000K 4000K 5000K blue wall washer	 **RIVER WALL 1.1** p. 129 20W 230Vac	 **RIVER WALL 2.1** p. 131 40W 230Vac
WITH OPTICS – PITCH 50 mm RGBW narrow medium wide	 **RIVER WALL 4.0** p. 133 30W 48Vdc with DMX	 **RIVER WALL 5.0** p. 133 60W 48Vdc with DMX
DIFFUSE OPTICS 2700K 3000K 4000K diffuse	 **RIVER WALL 1.2** p. 129 10W 230Vac	 **RIVER WALL 2.2** p. 131 20W 230Vac

RIVER 1



RIVER 1.0

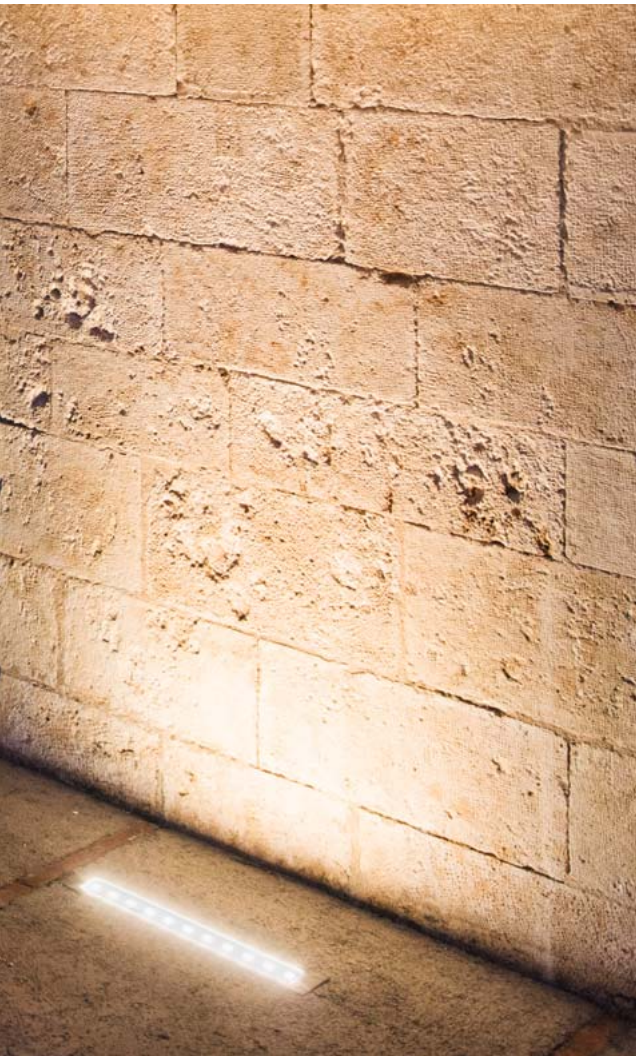


kg 2000 kg 3.35 IP67 IK09

A A+ A++ IPS PID T max 45°C

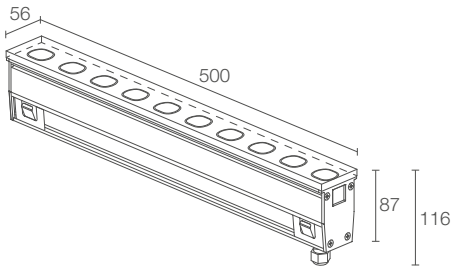
POWER / POWER SUPPLY CODE	20W 230Vac 500 mm pitch 50 **RV1010** ■ ■ **V**
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 47° **W** - 10°x40°
LUMEN OUTPUT AT SOURCE	1450 lm (3000K)
DELIVERED LUMEN OUTPUT	1050 lm (3000K, 30°)
NO. AND TYPE OF LED	10 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
MOUNTING	recessed (wall, ground)
ACCESSORIES	see p. 134
NOTES	DALI and 1-10V versions, and in/out connection, available on request
PHOTOMETRIC DATA	see p. 805

v
RIVER 1.1
3000K, 20W





RIVER 1.1



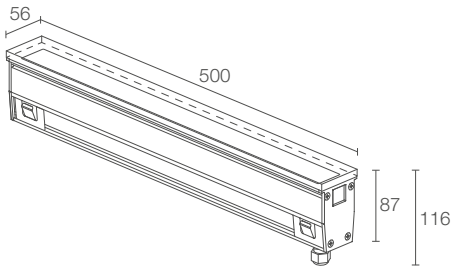
kg 2000 kg 3.35 IP67 IK09

A A+ A++ IPS PID T max 45°C

	20W 230Vac 500 mm pitch 50 **RV1110 V1 V**
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	wall washer
	1450 lm (3000K)
	1049 lm (3000K)
	10 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in tempered, transparent glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	recessed (wall, ground)
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805



RIVER 1.2



kg 2000 kg 3.35 IP67 IK09

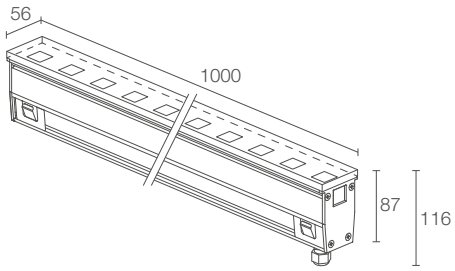
A A+ A++ IPS PID T max 45°C

	10W 230Vac 500 mm **RV1210 D V**
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	924 lm (3000K)
	473 lm (3000K)
	66 SMD mid-power LEDs 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in acid-etched, tempered extra-clear glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	recessed (wall, ground)
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805

RIVER 2



RIVER 2.0



kg 2000 kg 5.65 IP67 IK09

A A+ A++ IPS PID T max 45°C

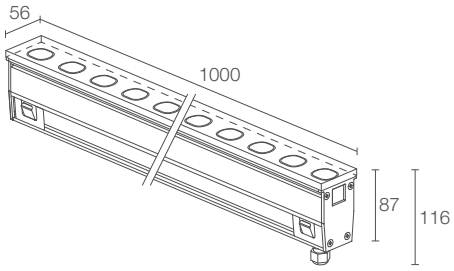
v
RIVER 2.0
3000K, 40W, 30°



POWER / POWER SUPPLY CODE	40W 230Vac 1000 mm pitch 50 **RV2010** ■ ■ **V**
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 47° **W** - 10°x40°
LUMEN OUTPUT AT SOURCE	2900 lm (3000K)
DELIVERED LUMEN OUTPUT	2100 lm (3000K, 30°)
NO. AND TYPE OF LED	20 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
MOUNTING	recessed (wall, ground)
ACCESSORIES	see p. 134
NOTES	DALI and 1-10V versions, and in/out connection, available on request
PHOTOMETRIC DATA	see p. 805



RIVER 2.1



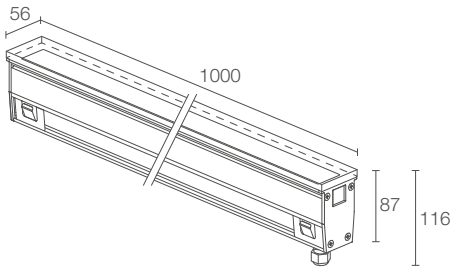
kg 2000 kg 5.65 IP67 IK09

A A+ A++ IPS PID T max 45°C

	40W 230Vac 1000 mm pitch 50 **RV2110 V1 V**
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	wall washer
	2900 lm (3000K)
	2098 lm (3000K)
	20 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in tempered, transparent glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	recessed (wall, ground)
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805



RIVER 2.2



kg 2000 kg 5.65 IP67 IK09

A A+ A++ IPS PID T max 45°C

	20W 230Vac 1000 mm **RV2210 D V**
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1848 lm (3000K)
	946 lm (3000K)
	132 SMD mid-power LEDs 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in acid-etched, tempered extra-clear glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	recessed (wall, ground)
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805



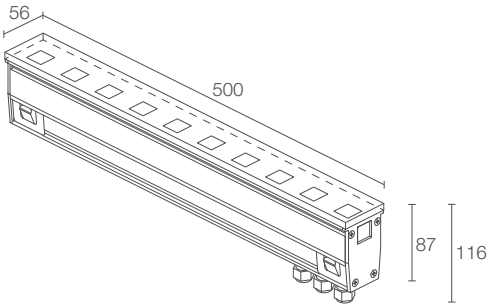
< **RIVER 1.0**
4000K, 20W, 10°x40°
(installed in the ground)
RIVER 2.0
4000K, 40W, 47°
(mounted on the ceiling, customized version)
LYSS 1.0
4000K, 9W, satin 20°x180°, white

Project by / arch. Ciro Alfredo Matarante
Castellano Gruppo Alimentare
Cerignola, Foggia, Italy

RIVER 4 / 5



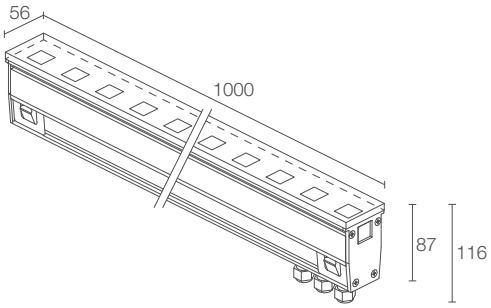
RIVER 4.0



kg 2000 kg 3.35 IP67 IK09 DMX RDM
A A+ A++ IPS T max 45°C

POWER / POWER SUPPLY CODE	30W 48Vdc + DMX512 500 mm pitch 50 **RV4000 7 ■ V**
■ **OPTICS**	**S** - 13° **M** - 33° **L** - 47°
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	3234 lm, R: 658 lm G: 1022 lm B: 378 lm W: 1176 lm (4000K)
DELIVERED LUMEN OUTPUT	2310 lm, R: 470 lm G: 730 lm B: 270 lm W: 840 lm (4000K, 33°)
NO. AND TYPE OF LED	40 power LEDs (10 power LEDs 4000K, 30 power LEDs RGB) pitch 50 mm 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	not included, see p. 134
POWER CABLES	includes 1x1.5 m neoprene cable H07RN-F 2x1.00 Ø8.7 mm and 2x1.5 m neoprene cables 05RN-F 4x0.50 Ø5.8 mm
MOUNTING	recessed (wall, ground)
ACCESSORIES	see p. 134
PHOTOMETRIC DATA	see p. 805

RIVER 5.0



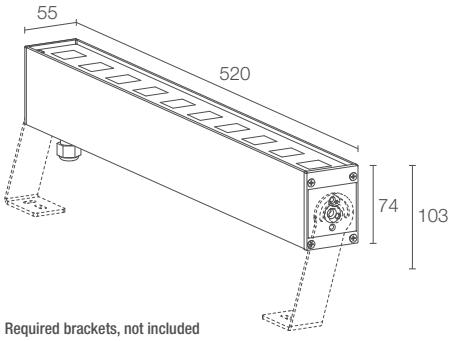
kg 2000 kg 5.65 IP67 IK09 DMX RDM
A A+ A++ IPS T max 45°C

	60W 48Vdc + DMX512 1000 mm pitch 50 **RV5000 7 ■ V**
■	**S** - 13° **M** - 33° **L** - 47°
	RGBW
	6468 lm, R: 1316 lm G: 2044 lm B: 756 lm W: 2352 lm (4000K)
	4620 lm, R: 940 lm G: 1460 lm B: 540 lm W: 1680 lm (4000K, 33°)
	80 power LEDs (20 power LEDs 4000K, 60 power LEDs RGB) pitch 50 mm 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in tempered, transparent glass
	not included, see p. 134
	includes 1x1.5 m neoprene cable H07RN-F 2x1.00 Ø8.7 mm and 2x1.5 m neoprene cables 05RN-F 4x0.50 Ø5.8 mm
	recessed (wall, ground)
	see p. 134
	see p. 805

RIVER WALL 1



RIVER WALL 1.0



Required brackets, not included

kg 3.00 IP66 IK06

A A+ A++ IPS PID T max 45°C

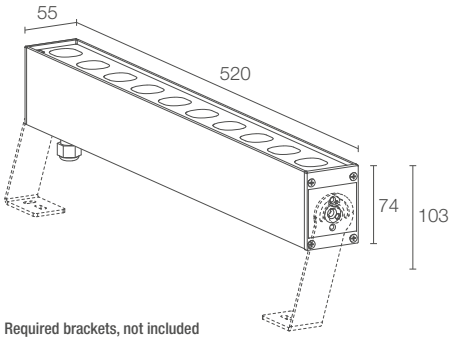
v
RIVER WALL 1.0
3000K, 20W, 10°x40°, with brackets



POWER / POWER SUPPLY **CODE**	20W 230Vac 520 mm pitch 50 **RW1010** ■ ■ **F** Grey
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 47° **W** - 10°x40°
LUMEN OUTPUT AT SOURCE	1450 lm (3000K)
DELIVERED LUMEN OUTPUT	1050 lm (3000K, 30°)
NO. AND TYPE OF LED	10 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
MOUNTING	surface mounted (ceiling, wall, ground) with brackets
ACCESSORIES	see p. 134
NOTES	DALI and 1-10V versions, and in/out connection, available on request
PHOTOMETRIC DATA	see p. 805



RIVER WALL 1.1



Required brackets, not included

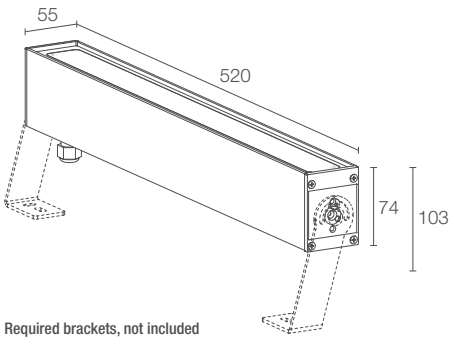
kg 3.00 IP66 IK06

A A+ A++ IPS PID T max 45°C

	20W 230Vac 520 mm pitch 50 **RW1110** **V1 F** Grey
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	wall washer
	1450 lm (3000K)
	1049 lm (3000K)
	10 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in tempered, transparent glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	surface mounted (ceiling, wall, ground) with brackets
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805



RIVER WALL 1.2



Required brackets, not included

kg 3.00 IP66 IK06

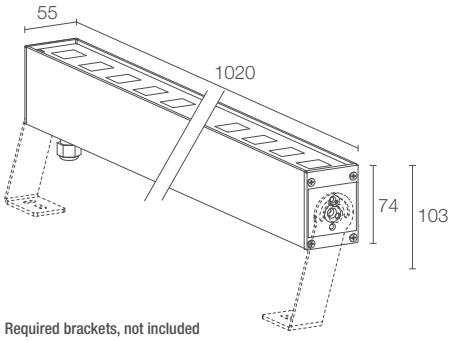
A A+ A++ IPS PID T max 45°C

	10W 230Vac 520 mm **RW1210** **D F** Grey
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	924 lm (3000K)
	473 lm (3000K)
	66 SMD mid-power LEDs 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in acid-etched, tempered extra-clear glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	surface mounted (ceiling, wall, ground) with brackets
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805

RIVER WALL 2



RIVER WALL 2.0



Required brackets, not included

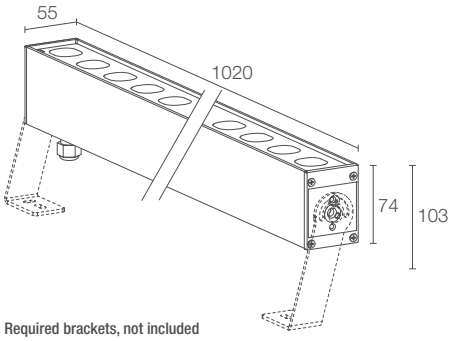
kg 5.20 IP66 IK06

A A+ A++ IPS PID T max 45°C

POWER / POWER SUPPLY **CODE**	40W 230Vac 1020 mm pitch 50 **RW2010** ■ ■ **F** Grey
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 47° **W** - 10°x40°
LUMEN OUTPUT AT SOURCE	2900 lm (3000K)
DELIVERED LUMEN OUTPUT	2100 lm (3000K, 30°)
NO. AND TYPE OF LED	20 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
MOUNTING	surface mounted (ceiling, wall, ground) with brackets
ACCESSORIES	see p. 134
NOTES	DALI and 1-10V versions, and in/out connection, available on request
PHOTOMETRIC DATA	see p. 805



RIVER WALL 2.1



Required brackets, not included

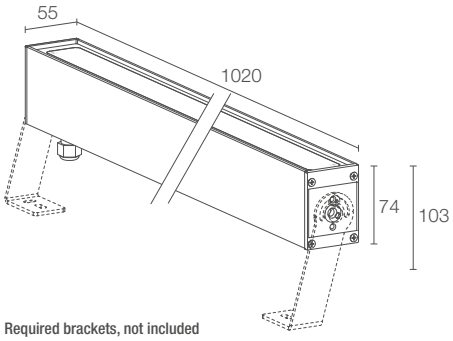
kg 5.20 IP66 IK06

A A+ A++ IPS PID T max 45°C

	40W 230Vac 1020 mm pitch 50 **RW2110** ■ **V1 F** Grey
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	wall washer
	2900 lm (3000K)
	2098 lm (3000K)
	20 power LEDs pitch 50 mm 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in tempered, transparent glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	surface mounted (ceiling, wall, ground) with brackets
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805



RIVER WALL 2.2



Required brackets, not included

kg 5.20 IP66 IK06

A A+ A++ IPS PID T max 45°C

	20W 230Vac 1020 mm **RW2210** ■ **D F** Grey
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1848 lm (3000K)
	946 lm (3000K)
	132 SMD mid-power LEDs 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in acid-etched, tempered extra-clear glass
	built in
	includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø9.3 mm
	surface mounted (ceiling, wall, ground) with brackets
	see p. 134
	DALI and 1-10V versions, and in/out connection, available on request
	see p. 805


Île de la Réunion

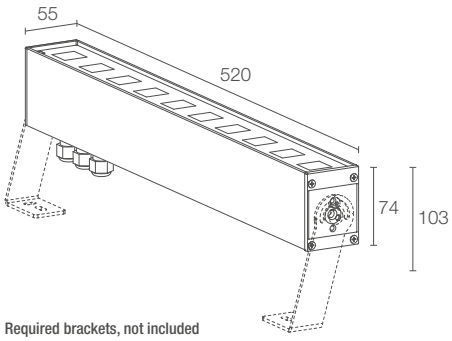
< RIVER WALL 5.0
RGBW, 60W, 33°, grey

Light planning by / Agence Stéphanie Daniel
Photo by / Michel Gantner
Antenne de Paris du Département
de La Réunion, Paris, France

RIVER WALL 4 / 5



RIVER WALL 4.0



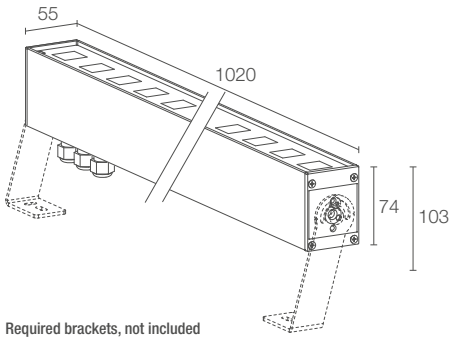
Required brackets, not included

kg 3.35 IP66 IK06 DMX RDM

A A+ A++ IPS T max 45°C

POWER / POWER SUPPLY	30W 48Vdc + DMX512 520 mm pitch 50
CODE	**RW4000 7 F** Grey
OPTICS	**S** - 13° **M** - 33° **L** - 47°
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	3234 lm, R: 658 lm G: 1022 lm B: 378 lm W: 1176 lm (4000K)
DELIVERED LUMEN OUTPUT	2310 lm, R: 470 lm G: 730 lm B: 270 lm W: 840 lm (4000K, 33°)
NO. AND TYPE OF LED	40 power LEDs (10 power LEDs 4000K, 30 power LEDs RGB) pitch 50 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	not included, see p. 134
POWER CABLES	includes 1x1.5 m neoprene cable H07RN-F 2x1.00 Ø8.7 mm and 2x1.5 m neoprene cables 05RN-F 4x0.50 Ø5.8 mm
MOUNTING	surface mounted (ceiling, wall, ground) with brackets
ACCESSORIES	see p. 134
PHOTOMETRIC DATA	see p. 805

RIVER WALL 5.0



Required brackets, not included

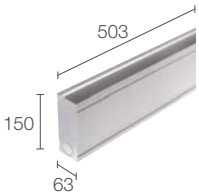
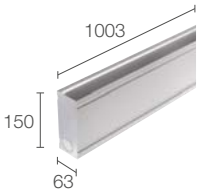
kg 5.20 IP66 IK06 DMX RDM

A A+ A++ IPS T max 45°C

	60W 48Vdc + DMX512 1020 mm pitch 50
	RW5000 7 F Grey
	S - 13° **M** - 33° **L** - 47°
	RGBW
	6468 lm, R: 1316 lm G: 2044 lm B: 756 lm W: 2352 lm (4000K)
	4620 lm, R: 940 lm G: 1460 lm B: 540 lm W: 1680 lm (4000K, 33°)
	80 power LEDs (20 power LEDs 4000K, 60 power LEDs RGB) pitch 50 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in tempered, transparent glass
	not included, see p. 134
	includes 1x1.5 m neoprene cable H07RN-F 2x1.00 Ø8.7 mm and 2x1.5 m neoprene cables 05RN-F 4x0.50 Ø5.8 mm
	surface mounted (ceiling, wall, ground) with brackets
	see p. 134
	see p. 805

RIVER / RIVER WALL

ACCESSORIES AND POWER SUPPLY UNITS

	RIVER 1.0	RIVER 1.1	RIVER 1.2	RIVER 2.0	RIVER 2.1	RIVER 2.2	RIVER 4.0	RIVER 5.0
ACCESSORIES FOR INSTALLATION								
 Outer casing	**WC6050** 503 mm	**WC6050** 503 mm	**WC6050** 503 mm				**WC6050** 503 mm	
 Outer casing				**WC6100** 1003 mm	**WC6100** 1003 mm	**WC6100** 1003 mm		**WC6100** 1003 mm

ACCESSORIES FOR INSTALLATION



WN6005
Alignment kit
for outer casings
(River)



WM0811
Pair of brackets h 125 mm
(River Wall)



WM0812
Pair of brackets h 275 mm
(River Wall)

POWER SUPPLY UNITS River 4.0 / 5.0; River Wall 4.0 / 5.0

Max no. fixtures	PSU	IP	Page
1...n	48Vdc + DMX controller	67	847 859 860

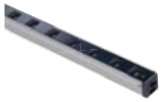
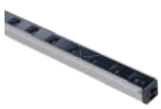
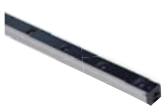
RIVER 1.0 / RIVER 2.0 >
3000K, 20W - 40W, 11°

Light planning by / Inelga
Pazo A Toxeiriña
Moranã, Pontevedra, Spain





^
NEVA 1.2
2700K, 45W, 10°x40°
with honeycomb louvre, customized version with CRI >90

	2700K 3000K 4000K **PITCH 60 mm**	2700K 3000K 4000K **PITCH 120 mm**	2700K 3000K 4000K **PITCH 60 mm** BUILT-IN POWER SUPPLY UNIT
316 mm	 **NEVA MINI 1** p. 140 9W/13W 24Vdc	 **NEVA MINI 2** p. 142 5.5W/7.5W 24Vdc	
616 mm **677 mm**	 **NEVA 1.0** p. 140 18W/25W 24Vdc	 **NEVA 2.0** p. 142 11W/15W 24Vdc	 **NEVA 3.0** p. 144 23W 230Vac 0-10V, ON/OFF
916 mm **1037 mm**	 **NEVA 1.1** p. 141 27W/38W 24Vdc	 **NEVA 2.1** p. 143 16W/22W 24Vdc	 **NEVA 3.1** p. 145 39W 230Vac 0-10V, ON/OFF
1517 mm **1758 mm**	 **NEVA 1.2** p. 141 45W/63W 24Vdc	 **NEVA 2.2** p. 143 27W/38W 24Vdc	 **NEVA 3.2** p. 145 64W 230Vac ON/OFF

NEVA

OUTDOOR LINEAR PROFILES
ARCHITECTURAL LIGHTING FOR WALLS AND FACADES



2700K 3000K 4000K

PITCH 120 mm
BUILT-IN POWER SUPPLY UNIT

RGB

PITCH 120 mm

DYNAMIC WHITE

PITCH 120 mm

RGBW

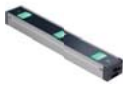
PITCH 120 mm



NEVA MINI 5 p. 148
10W 24Vdc



NEVA MINI 6 p. 150
10W 24Vdc



NEVA MINI 7 p. 152
15W 24Vdc



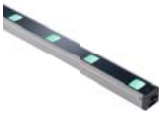
NEVA 4.0 p. 146
16W 230Vac
0-10V, ON/OFF



NEVA 5.0 p. 148
20W 24Vdc
with or without DMX



NEVA 6.0 p. 150
20W 24Vdc



NEVA 7.0 p. 152
30W 24Vdc



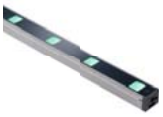
NEVA 4.1 p. 147
24W 230Vac
0-10V, ON/OFF



NEVA 5.1 p. 149
30W 24Vdc



NEVA 6.1 p. 151
30W 24Vdc



NEVA 7.1 p. 153
45W 24Vdc



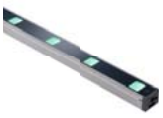
NEVA 4.2 p. 147
40W 230Vac
0-10V, ON/OFF



NEVA 5.2 p. 149
50W 24Vdc



NEVA 6.2 p. 151
50W 24Vdc



NEVA 7.2 p. 153
75W 24Vdc

NEVA 1 / 3









NEVA 2 / 4









ANTI-GLARE
RECESSED
OPTICS

IK06
NEVA 1 / 2
5 / 6 / 7

IK08
NEVA
3 / 4

TEMPERED TRANSPARENT
EXTRA-CLEAR GLASS WITH
VITRIFIED SERIGRAPHY
AND HIGH TRANSMITTANCE
TO ENSURE CHROMATIC
UNIFORMITY OF LIGHT. THE GLASS'S
THICKNESS OF 4 MM GUARANTEES
HIGH IMPACT RESISTANCE



LOW-COPPER-CONTENT
ANTICORODAL ALUMINIUM
ALLOY 6060 FOR EXCELLENT
CORROSION RESISTANCE AND
IMPROVED HEAT DISSIPATION.
THE ANODIZATION PROCESS
PROTECTS THE FIXTURE'S
FUNCTIONING AND APPEARANCE
FROM ATMOSPHERIC AND
ENVIRONMENTAL AGENTS

NEVA

UNIQUE SELLING POINTS

BUILT-IN
PROTECTION
SYSTEMS:

IPS
INTELLIGENT
PROTECTION
SYSTEM

PID
PROTECTIVE
IMPEDANCE
DEVICE

NTC
BUILT-IN
TEMPERATURE
SENSOR



IP65
IP67

SUITABLE
FOR OUTDOOR
APPLICATIONS



NEVA 1 / 3
PITCH CONSISTENCY
BETWEEN DEVICES
PLACED SIDE BY SIDE



NEVA 3 / 4
IP68 CONNECTOR WITH
BUILT-IN IPS PROTECTION

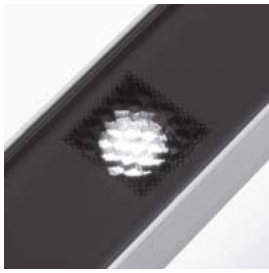
Speedy installation: electrical wiring simplified by the ability to connect the electrical cables directly to the connector. An in/out connection system is available to install the fixtures in a line



RECESSED
INSTALLATION
USING DEDICATED
OUTER CASING



SCALED ADJUSTABLE
BRACKET AND
TWO DIFFERENT
HEIGHTS:
75 MM, 140 MM



ANTI-GLARE
HONEYCOMB
LOUVRE ACCESSORY



^

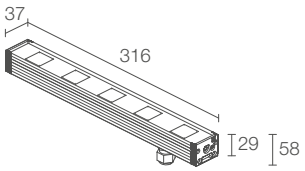
NEVA 1.1
2700K, 27W, 10°x40°, with honeycomb louvre
customized version with CRI >90

KLEO 1.0
2700K, 10W, 30°, cor-ten, with spike

BRIGHT 1.6
2700K, 2W, 10°

Light planning by / Susanna Antico
Lighting Design Studio
Cascina Ranverso
Buttigliera Alta, Turin, Italy

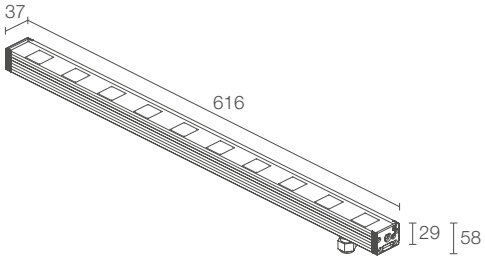
NEVA MINI 1



kg 0.59 IP67 IK06
A A+ A++ IPS PID NTC T max 45°C

POWER / POWER SUPPLY CODE	9W 24Vdc 316 mm pitch 60 **NV0100** ■ ■ **A -** ■ 13W 24Vdc 316 mm pitch 60 **NV0101** ■ ■ **A -** ■
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	696 lm (3000K, 9W) 1033 lm (3000K, 13W)
DELIVERED LUMEN OUTPUT	575 lm (3000K, 30°, 9W) 805 lm (3000K, 30°, 13W)
NO. AND TYPE OF LED	5 power LEDs pitch 60 mm 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 156
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
PHOTOMETRIC DATA	see p. 788

NEVA 1.0



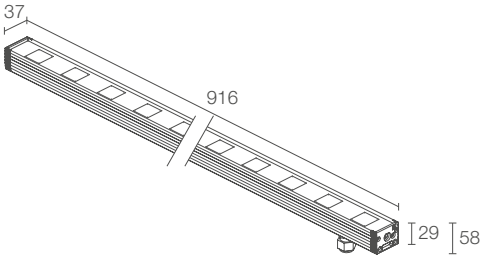
kg 1.15 IP67 IK06
A A+ A++ IPS PID NTC T max 45°C

	18W 24Vdc 616 mm pitch 60 **NV1000** ■ ■ **A -** ■ 25W 24Vdc 616 mm pitch 60 **NV1001** ■ ■ **A -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	1392 lm (3000K, 18W) 2065 lm (3000K, 25W)
	1150 lm (3000K, 30°, 18W) 1610 lm (3000K, 30°, 25W)
	10 power LEDs pitch 60 mm 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 790

NEVA 1



NEVA 1.1

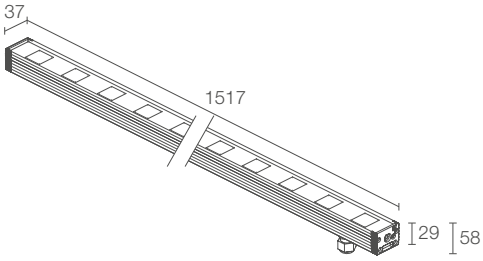


kg 1.64 IP67 IK06

A A+ A++ IPS PID NTC T max 45°C

	27W 24Vdc 916 mm pitch 60 **NV1100** ■ ■ **A -** ■ 38W 24Vdc 916 mm pitch 60 **NV1101** ■ ■ **A -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	2087 lm (3000K, 27W) 3098 lm (3000K, 38W)
	1715 lm (3000K, 30°, 27W) 2401 lm (3000K, 30°, 38W)
	15 power LEDs pitch 60 mm 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 790

NEVA 1.2



kg 2.75 IP67 IK06

A A+ A++ IPS PID NTC T max 45°C

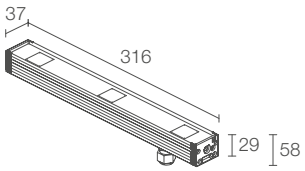
	45W 24Vdc 1517 mm pitch 60 **NV1200** ■ ■ **A -** ■ 63W 24Vdc 1517 mm pitch 60 **NV1201** ■ ■ **A -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	3479 lm (3000K, 45W) 5163 lm (3000K, 63W)
	2875 lm (3000K, 30°, 45W) 4025 lm (3000K, 30°, 63W)
	25 power LEDs pitch 60 mm 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 790



^
NEVA 2.0
3000K, 11W, 45°, with brackets
BRIGHT 2.4
3000K, 7W, 11° - 45°, stainless steel

Project by / arch. Fernanda Cantone
Light planning by / Light Style
Castello Tafuri Charming Suites
Portopalo di Capo Passero
Syracuse, Italy

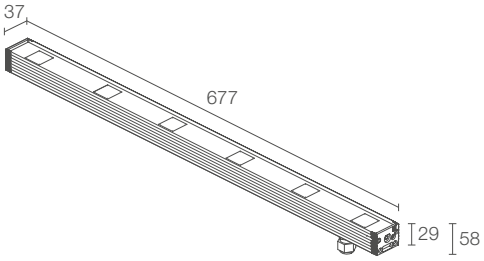
NEVA MINI 2



CE · LED TECH · kg 0.58 · IP67 · IK06
A · A+ · A++ · IPS · PID · NTC · T max 45°C

POWER / POWER SUPPLY CODE	5.5W 24Vdc 316 mm pitch 120 **NV0200** ■ ■ **A -** ■ 7.5W 24Vdc 316 mm pitch 120 **NV0201** ■ ■ **A -** ■
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	418 lm (3000K, 5.5W) 620 lm (3000K, 7.5W)
DELIVERED LUMEN OUTPUT	345 lm (3000K, 30°, 5.5W) 483 lm (3000K, 30°, 7.5W)
NO. AND TYPE OF LED	3 power LEDs pitch 120 mm 3-step MacAdam 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 156
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
PHOTOMETRIC DATA	see p. 788

NEVA 2.0



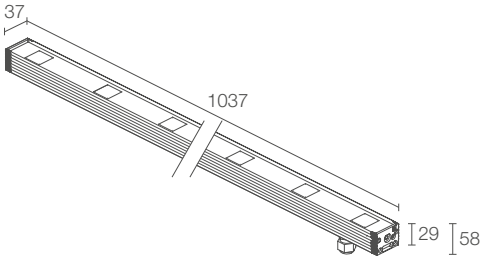
CE · LED TECH · kg 1.25 · IP67 · IK06
A · A+ · A++ · IPS · PID · NTC · T max 45°C

	11W 24Vdc 677 mm pitch 120 **NV2000** ■ ■ **A -** ■ 15W 24Vdc 677 mm pitch 120 **NV2001** ■ ■ **A -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	835 lm (3000K, 11W) 1239 lm (3000K, 15W)
	690 lm (3000K, 30°, 11W) 966 lm (3000K, 30°, 15W)
	6 power LEDs pitch 120 mm 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 790

NEVA 2



NEVA 2.1

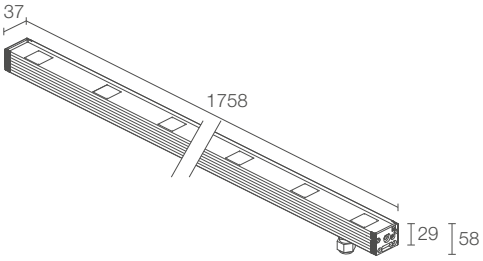


kg 1.87 IP67 IK06

A A+ A++ IPS PID NTC T max 45°C

	16W 24Vdc 1037 mm pitch 120 **NV2100** ■ ■ **A -** ■ 22W 24Vdc 1037 mm pitch 120 **NV2101** ■ ■ **A -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	1252 lm (3000K, 16W) 1859 lm (3000K, 22W)
	1035 lm (3000K, 30°, 16W) 1450 lm (3000K, 30°, 22W)
	9 power LEDs pitch 120 mm 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 790

NEVA 2.2



kg 3.15 IP67 IK06

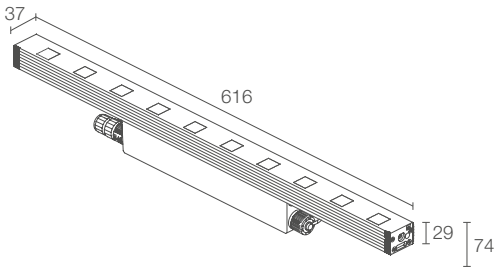
A A+ A++ IPS PID NTC T max 45°C

	27W 24Vdc 1758 mm pitch 120 **NV2200** ■ ■ **A -** ■ 38W 24Vdc 1758 mm pitch 120 **NV2201** ■ ■ **A -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
■	includes 1.5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	2087 lm (3000K, 27W) 3098 lm (3000K, 38W)
	1725 lm (3000K, 30°, 27W) 2415 lm (3000K, 30°, 38W)
	15 power LEDs pitch 120 mm 3-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 790

NEVA 3



NEVA 3.0

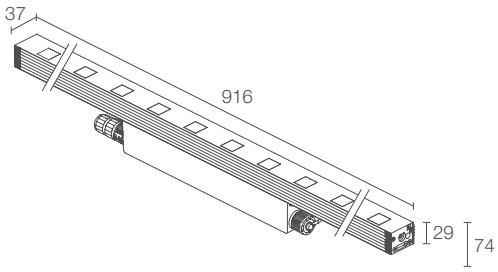


kg 1.60 IP65 IP67 IK08

A A+ A++ IPS PID T max 45°C

POWER / POWER SUPPLY CODE	23W 230Vac 616 mm pitch 60 ON/OFF **NV3010000 ■ ■ 0 ■ N** 23W 230Vac 616 mm pitch 60 0-10V **NV30100V0 ■ ■ 0 ■ N**
■ HONEYCOMB LOUVRE	**0** - not present **1** - present
■ LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
■ OPTICS	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
LUMEN OUTPUT AT SOURCE	2570 lm (3000K)
DELIVERED LUMEN OUTPUT	1610 lm (3000K, 30°)
NO. AND TYPE OF LED	10 power LEDs pitch 60 mm 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in serigraphed, tempered, transparent, extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
FEATURES	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
PHOTOMETRIC DATA	see p. 791

NEVA 3.1



kg 2.10 IP65 IP67 IK08

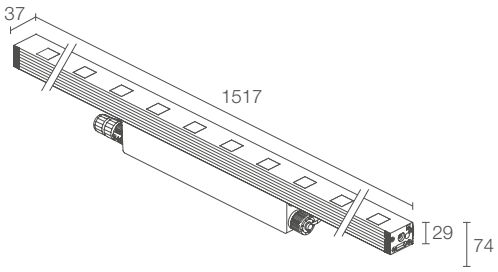
A A+ A++ IPS PID T max 45°C

39W 230Vac 916 mm pitch 60 ON/OFF
NV3110000 ■ ■ **0** ■ **N**

39W 230Vac 916 mm pitch 60 0-10V
NV31100V0 ■ ■ **0** ■ **N**

■	**0** - not present **1** - present
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
	3855 lm (3000K)
	2401 lm (3000K, 30°)
	15 power LEDs pitch 60 mm 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in serigraphed, tempered, transparent, extra-clear glass
	built in
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
	see p. 791

NEVA 3.2



kg 3.20 IP65 IP67 IK08

A A+ A++ IPS PID T max 45°C

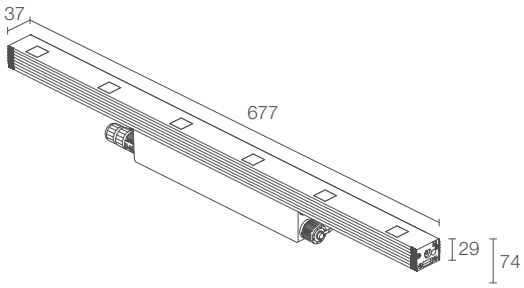
64W 230Vac 1517 mm pitch 60 ON/OFF
NV3210000 ■ ■ **0** ■ **N**

■	**0** - not present **1** - present
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
	6425 lm (3000K)
	4025 lm (3000K, 30°)
	25 power LEDs pitch 60 mm 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in serigraphed, tempered, transparent, extra-clear glass
	built in
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
	see p. 791



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NEVA 4.0 / 4.1
3000K, 16W - 24W, 10°x40°, with brackets

NEVA 4.0



kg 1.70 IP65 IP67 IK08

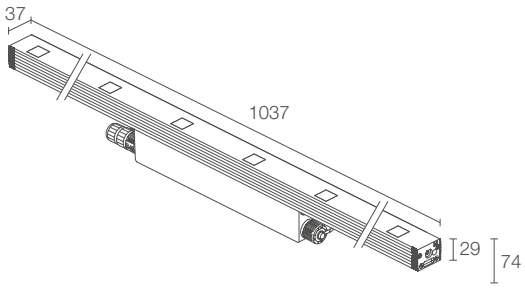
A A+ A++ IPS PID T max 45°C

POWER / POWER SUPPLY CODE	16W 230Vac 677 mm pitch 120 ON/OFF **NV4010000 ■ ■ 0 ■ N** 16W 230Vac 677 mm pitch 120 0-10V **NV40100V0 ■ ■ 0 ■ N**
■ **HONEYCOMB LOUVRE**	**0** - not present **1** - present
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
LUMEN OUTPUT AT SOURCE	1542 lm (3000K)
DELIVERED LUMEN OUTPUT	966 lm (3000K, 30°)
NO. AND TYPE OF LED	6 power LEDs pitch 120 mm 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in serigraphed, tempered, transparent, extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
FEATURES	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
PHOTOMETRIC DATA	see p. 791

NEVA 4



NEVA 4.1



kg 2.34 IP65 IP67 IK08

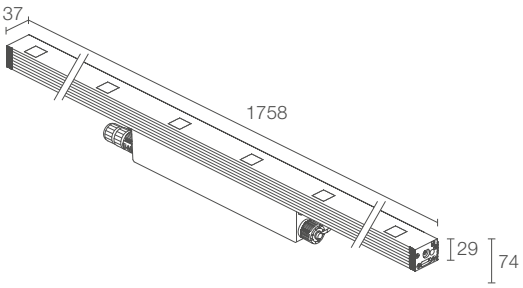
A A+ A++ IPS PID T max 45°C

24W 230Vac 1037 mm pitch 120 ON/OFF
NV4110000 ■ ■ **0** ■ **N**

24W 230Vac 1037 mm pitch 120 0-10V
NV41100V0 ■ ■ **0** ■ **N**

■	**0** - not present **1** - present
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
	2313 lm (3000K)
	1450 lm (3000K, 30°)
	9 power LEDs pitch 120 mm 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in serigraphed, tempered, transparent, extra-clear glass
	built in
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
	see p. 791

NEVA 4.2



kg 3.62 IP65 IP67 IK08

A A+ A++ IPS PID T max 45°C

40W 230Vac 1758 mm pitch 120 ON/OFF
NV4210000 ■ ■ **0** ■ **N**

40W 230Vac 1758 mm pitch 120 0-10V
NV42100V0 ■ ■ **0** ■ **N**

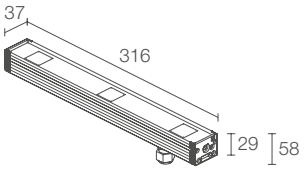
■	**0** - not present **1** - present
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 30° **L** - 45° **W** - 10°x40°
	3855 lm (3000K)
	2415 lm (3000K, 30°)
	15 power LEDs pitch 120 mm 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in serigraphed, tempered, transparent, extra-clear glass
	built in
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
	see p. 791



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NEVA 5.2
RGB, 50W, 24°x46°
NEVA 2.2
3000K, 27W, 11°

Project by / iarchitects
Gotha Cosmetics Headquarters
Bergamo, Italy

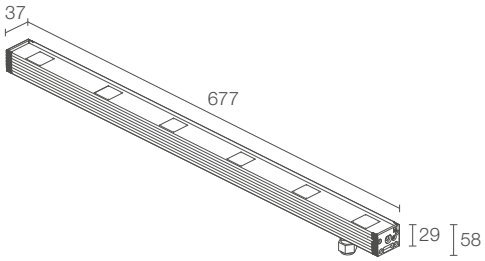
NEVA MINI 5



kg 0.58 IP67 IK06
A A+ A++ IPS NTC T max 45°C

POWER / POWER SUPPLY CODE	10W 24Vdc 316 mm pitch 120 **NV0500 6** ■ **A -** ■
■ **OPTICS**	**S** - 15° **M** - 26° **L** - 30° **W** - 24°x46°
■ **POWER CABLES**	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LED COLOUR	RGB
LUMEN OUTPUT AT SOURCE	454 lm, R: 151 lm G: 227 lm B: 76 lm
DELIVERED LUMEN OUTPUT	324 lm, R: 108 lm G: 162 lm B: 54 lm (26°)
NO. AND TYPE OF LED	3 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 156
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
PHOTOMETRIC DATA	see p. 788

NEVA 5.0



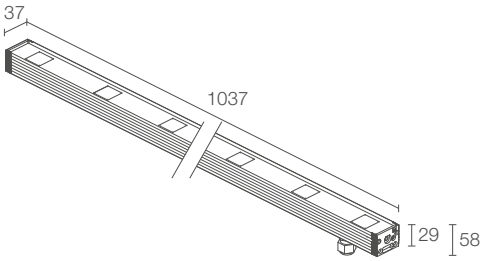
kg 1.25 IP67 IK06 DMX RDM
A A+ A++ IPS NTC T max 45°C

	20W 24Vdc 677 mm pitch 120 **NV5000 6** ■ **A -** ■ 20W 24Vdc + DMX512 677 mm pitch 120 **NV5001 6** ■ **A**
■	**S** - 15° **M** - 26° **L** - 30° **W** - 24°x46°
■	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm DMX version: includes 2x1.5 m neoprene cables H05RN-F 2x0.75 Ø6.3 mm and 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	RGB
	908 lm, R: 303 lm G: 454 lm B: 151 lm
	648 lm, R: 216 lm G: 324 lm B: 108 lm (26°)
	6 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 792

NEVA 5



NEVA 5.1



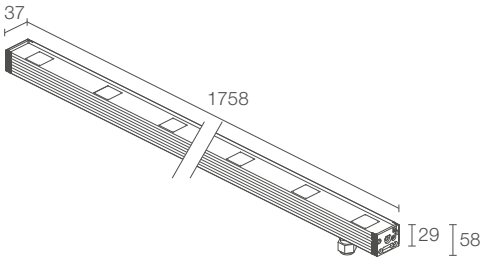
kg 1.87 IP67 IK06

A A+ A++ IPS NTC T max 45°C

30W 24Vdc 1037 mm pitch 120
NV5100 6 A -

	S - 15° **M** - 26° **L** - 30° **W** - 24°x46°
	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	RGB
	1363 lm, R: 455 lm G: 681 lm B: 227 lm
	972 lm, R: 324 lm G: 486 lm B: 162 lm (26°)
	9 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 792

NEVA 5.2



kg 3.15 IP67 IK06

A A+ A++ IPS NTC T max 45°C

50W 24Vdc 1758 mm pitch 120
NV5200 6 A -

	S - 15° **M** - 26° **L** - 30° **W** - 24°x46°
	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	RGB
	2271 lm, R: 758 lm G: 1135 lm B: 378 lm
	1620 lm, R: 540 lm G: 810 lm B: 270 lm (26°)
	15 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 792

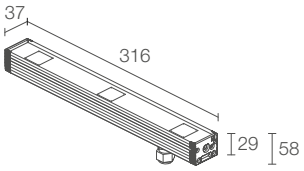






^
NEVA 6.0
dynamic white, 20W, 24°x46°

NEVA MINI 6

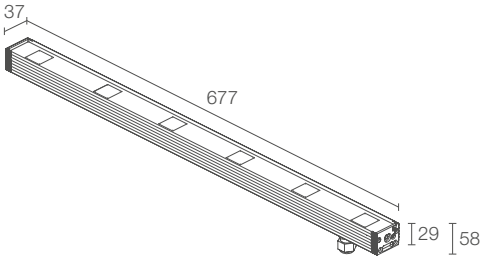


kg 0.58 IP67 IK06

A A+ A++ IPS NTC T max 45°C

POWER / POWER SUPPLY CODE	10W 24Vdc 316 mm pitch 120 **NV0600 H ■ A - ■**
■ **OPTICS**	**S** - 15° **M** - 26° **L** - 30° **W** - 24°x46°
■ **POWER CABLES**	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LED COLOUR	dynamic white: amber, 4000K, 5000K
LUMEN OUTPUT AT SOURCE	1035 lm, amber: 258 lm 4000K: 379 lm 5000K: 398 lm (4000K)
DELIVERED LUMEN OUTPUT	737 lm, amber: 184 lm 4000K: 270 lm 5000K: 283 lm (4000K, 26°)
NO. AND TYPE OF LED	3 LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 156
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
PHOTOMETRIC DATA	see p. 789

NEVA 6.0



kg 1.25 IP67 IK06

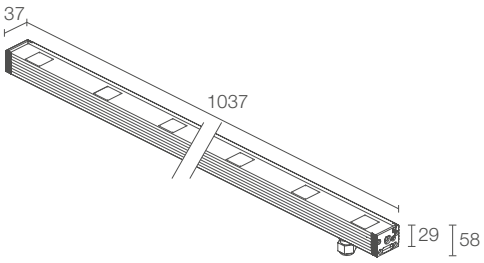
A A+ A++ IPS NTC T max 45°C

	20W 24Vdc 677 mm pitch 120 **NV6000 H ■ A - ■**
■	**S** - 15° **M** - 26° **L** - 30° **W** - 24°x46°
■	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	dynamic white: amber, 4000K, 5000K
	2070 lm, amber: 517 lm 4000K: 758 lm 5000K: 795 lm (4000K)
	1475 lm, amber: 368 lm 4000K: 540 lm 5000K: 567 lm (4000K, 26°)
	6 LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 792

NEVA 6



NEVA 6.1

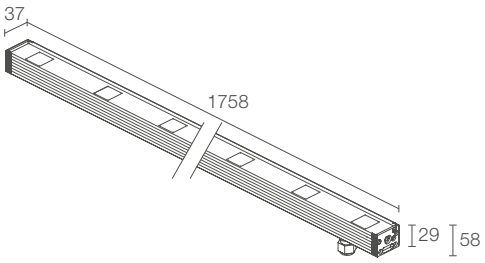


kg 1.87 IP67 IK06

A A+ A++ IPS NTC T max 45°C

	30W 24Vdc 1037 mm pitch 120 **NV6100 H** ■ **A -** ■
■	**S** - 15° **M** - 26° **L** - 30° **W** - 24°x46°
■	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	dynamic white: amber, 4000K, 5000K
	3100 lm, amber: 774 lm 4000K: 1135 lm 5000K: 1191 lm (4000K)
	2212 lm, amber: 552 lm 4000K: 810 lm 5000K: 850 lm (4000K, 26°)
	9 LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 792

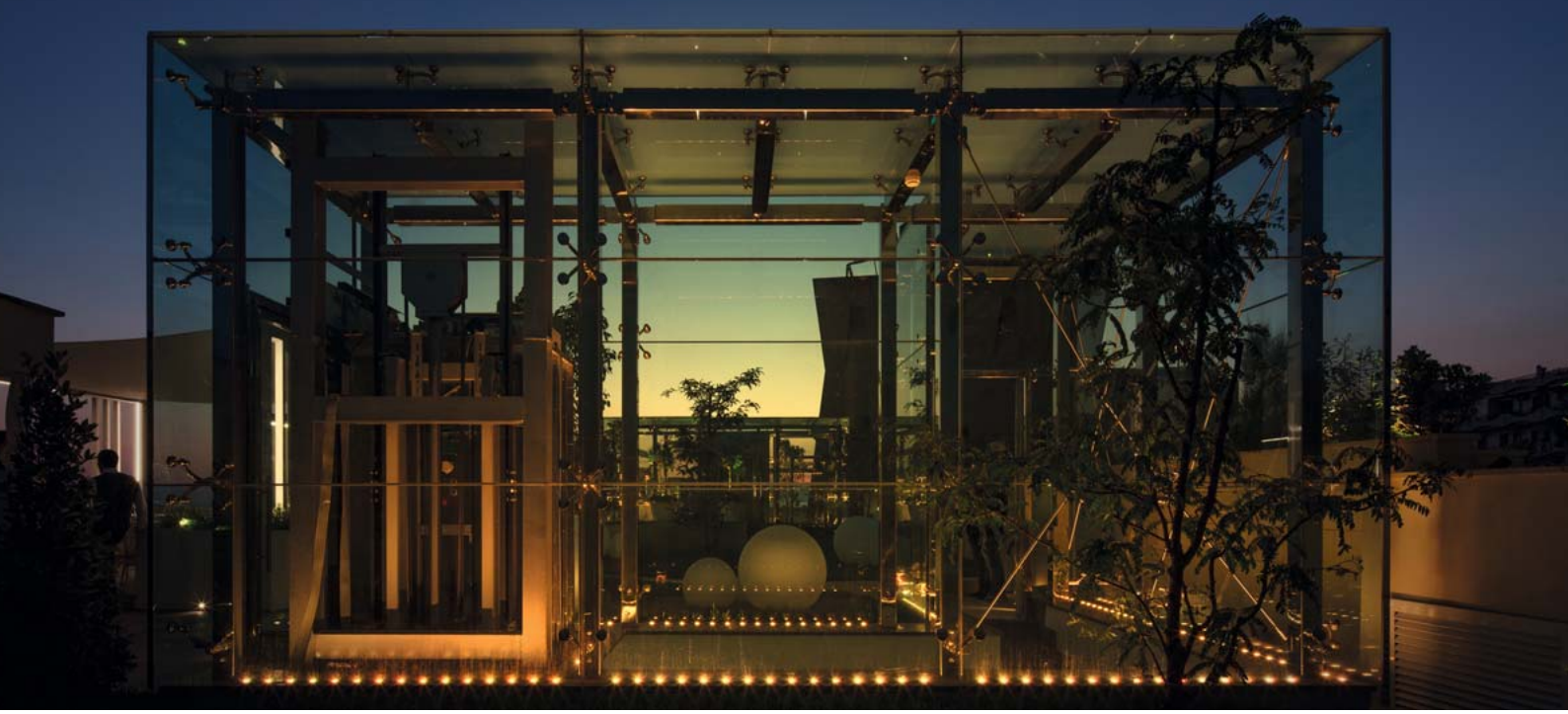
NEVA 6.2



kg 3.15 IP67 IK06

A A+ A++ IPS NTC T max 45°C

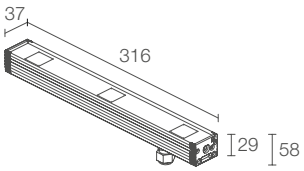
	50W 24Vdc 1758 mm pitch 120 **NV6200 H** ■ **A -** ■
■	**S** - 15° **M** - 26° **L** - 30° **W** - 24°x46°
■	includes 1.5 m neoprene cable 05RN-F 4x0.50 Ø5.8 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	dynamic white: amber, 4000K, 5000K
	5162 lm, amber: 1288 lm 4000K: 1890 lm 5000K: 1984 lm (4000K)
	3687 lm, amber: 920 lm 4000K: 1350 lm 5000K: 1417 lm (4000K, 26°)
	15 LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 792



^
NEVA 7.2
RGBW, 75W, 26°x58°

Project by / SC Servizi Integrati
Torre Bassano
Torre del Greco, Naples, Italy

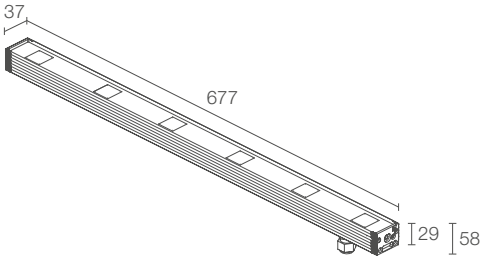
NEVA MINI 7



kg 0.65 IP67 IK06
A A+ A++ IPS PID NTC T max 60°C

POWER / POWER SUPPLY CODE	15W 24Vdc 316 mm pitch 120 **NV0700 7 ■ A**
■ **OPTICS**	**S** - 18° **M** - 32° **L** - 44° **K** - 78° **W** - 26°x58°
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	850 lm, R: 137 lm G: 300 lm B: 92 lm W: 321 lm (4000K)
DELIVERED LUMEN OUTPUT	525 lm, R: 84 lm G: 186 lm B: 57 lm W: 198 lm (4000K, 32°)
NO. AND TYPE OF LED	3 RGBW LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 156
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
ACCESSORIES	see p. 154 and 156
PHOTOMETRIC DATA	see p. 789

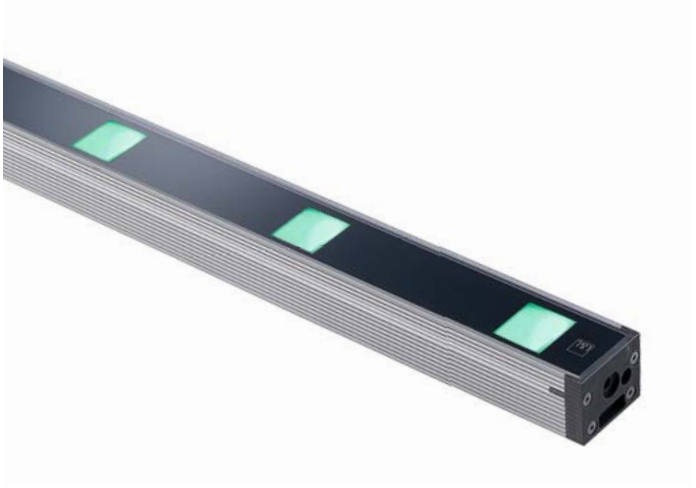
NEVA 7.0



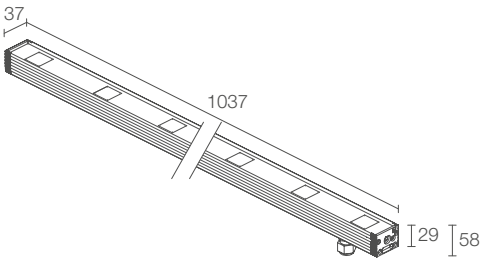
kg 1.25 IP67 IK06
A A+ A++ IPS PID NTC T max 60°C

	30W 24Vdc 677 mm pitch 120 **NV7000 7 ■ A**
■	**S** - 18° **M** - 32° **L** - 44° **K** - 78° **W** - 26°x58°
	RGBW
	1699 lm, R: 273 lm G: 600 lm B: 184 lm W: 642 lm (4000K)
	1051 lm, R: 169 lm G: 371 lm B: 114 lm W: 397 lm (4000K, 32°)
	6 RGBW LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 793

NEVA 7



NEVA 7.1

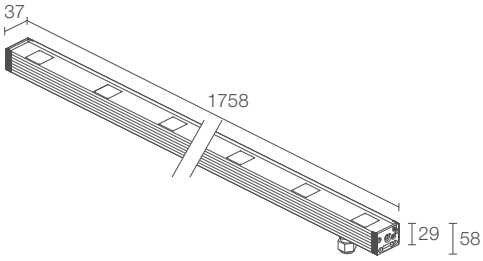


kg 1.90 IP67 IK06

A A+ A++ IPS PID NTC T max 60°C

	45W 24Vdc 1037 mm pitch 120 **NV7100 7 A**
	S - 18° **M** - 32° **L** - 44° **K** - 78° **W** - 26°x58°
	RGBW
	2548 lm, R: 410 lm G: 900 lm B: 275 lm W: 963 lm (4000K)
	1575 lm, R: 253 lm G: 556 lm B: 171 lm W: 595 lm (4000K, 32°)
	9 RGBW LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 793

NEVA 7.2



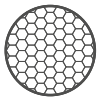
kg 3.20 IP67 IK06

A A+ A++ IPS PID NTC T max 60°C

	75W 24Vdc 1758 mm pitch 120 **NV7200 7 A**
	S - 18° **M** - 32° **L** - 44° **K** - 78° **W** - 26°x58°
	RGBW
	4247 lm, R: 683 lm G: 1500 lm B: 459 lm W: 1605 lm (4000K)
	2625 lm, R: 422 lm G: 927 lm B: 284 lm W: 992 lm (4000K, 32°)
	15 RGBW LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 156
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground) with brackets recessed (ceiling, wall, ground) with outer casing
	see p. 154 and 156
	see p. 793

NEVA

ACCESSORIES

	NEVA MINI 1	NEVA 1.0	NEVA 1.1	NEVA 1.2	NEVA MINI 2	NEVA 2.0	NEVA 2.1	NEVA 2.2	NEVA 3.0	NEVA 3.1	NEVA 3.2
ANTI-GLARE ACCESSORIES											
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture	**WH6001**	**WH6010**	**WH6011**	**WH6012**	**WH6002**	**WH6020**	**WH6021**	**WH6022**			
 Anti-glare shield in black-painted stainless steel	**WB6500** 328 mm	**WB6510** 612 mm	**WB6511** 912 mm	**WB6512** 1513 mm	**WB6500** 328 mm	**WB6520** 673 mm	**WB6521** 1033 mm	**WB6522** 1754 mm	**WB6510** 612 mm	**WB6511** 912 mm	**WB6512** 1513 mm
ACCESSORIES FOR INSTALLATION											
 Aluminium outer casing	**WC6500** 322 mm	**WC6510** 622 mm	**WC6511** 922 mm	**WC6512** 1522 mm	**WC6500** 322 mm	**WC6520** 682 mm	**WC6521** 1042 mm	**WC6522** 1763 mm	**WC6510** 622 mm	**WC6511** 922 mm	**WC6512** 1522 mm
 Aluminium outer casing for plasterboard	**WC6700** 322 mm	**WC6710** 622 mm	**WC6711** 922 mm	**WC6712** 1522 mm	**WC6700** 322 mm	**WC6720** 682 mm	**WC6721** 1042 mm	**WC6722** 1763 mm	**WC6710** 622 mm	**WC6711** 922 mm	**WC6712** 1522 mm

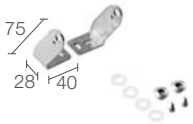
for spare parts, see p. 866

NEVA 4.0	NEVA 4.1	NEVA 4.2	NEVA MINI 5	NEVA 5.0	NEVA 5.1	NEVA 5.2	NEVA MINI 6	NEVA 6.0	NEVA 6.1	NEVA 6.2	NEVA MINI 7	NEVA 7.0	NEVA 7.1	NEVA 7.2
			WH6002	**WH6020**	**WH6021**	**WH6022**	**WH6002**	**WH6020**	**WH6021**	**WH6022**				
WB6520 673 mm	**WB6521** 1033 mm	**WB6522** 1754 mm	**WB6500** 328 mm	**WB6520** 673 mm	**WB6521** 1033 mm	**WB6522** 1754 mm	**WB6500** 328 mm	**WB6520** 673 mm	**WB6521** 1033 mm	**WB6522** 1754 mm	**WB6500** 328 mm	**WB6520** 673 mm	**WB6521** 1033 mm	**WB6522** 1754 mm
WC6520 682 mm	**WC6521** 1042 mm	**WC6522** 1763 mm	**WC6500** 322 mm	**WC6520** 682 mm	**WC6521** 1042 mm	**WC6522** 1763 mm	**WC6500** 322 mm	**WC6520** 682 mm	**WC6521** 1042 mm	**WC6522** 1763 mm	**WC6500** 322 mm	**WC6520** 682 mm	**WC6521** 1042 mm	**WC6522** 1763 mm
WC6720 682 mm	**WC6721** 1042 mm	**WC6722** 1763 mm	**WC6700** 322 mm	**WC6720** 682 mm	**WC6721** 1042 mm	**WC6722** 1763 mm	**WC6700** 322 mm	**WC6720** 682 mm	**WC6721** 1042 mm	**WC6722** 1763 mm	**WC6700** 322 mm	**WC6720** 682 mm	**WC6721** 1042 mm	**WC6722** 1763 mm

NEVA

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WM0601
Pair of brackets h 75 mm
(Neva 1 / 2 / 5 / 6 / 7)



WM0602
Pair of brackets h 140 mm
(Neva 1 / 2 / 5 / 6 / 7)



WMA01N
Pair of brackets h 75 mm
(Neva 3 / 4)



WMA02N
Pair of brackets h 140 mm
(Neva 3 / 4)



WN6001
Anti-fall kit



WN6005
Alignment kit for
outer casings



WFA00
2-pin female connector
for in/out connection
(on/off version) - IP68
(Neva 3 / 4)



WFA01
4-pin female connector
for in/out connection
(0-10V version) - IP68
(Neva 3.0 / 3.1 / 4.0 / 4.1 / 4.2)

POWER CABLES Neva 1 / 2 / 5 / 6

the choice of power cable is included in the configuration
of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.75 Ø6.3 mm IPS

RGB and dynamic white

Neoprene cables
05RN-F 4x0.50 Ø5.8 mm IPS

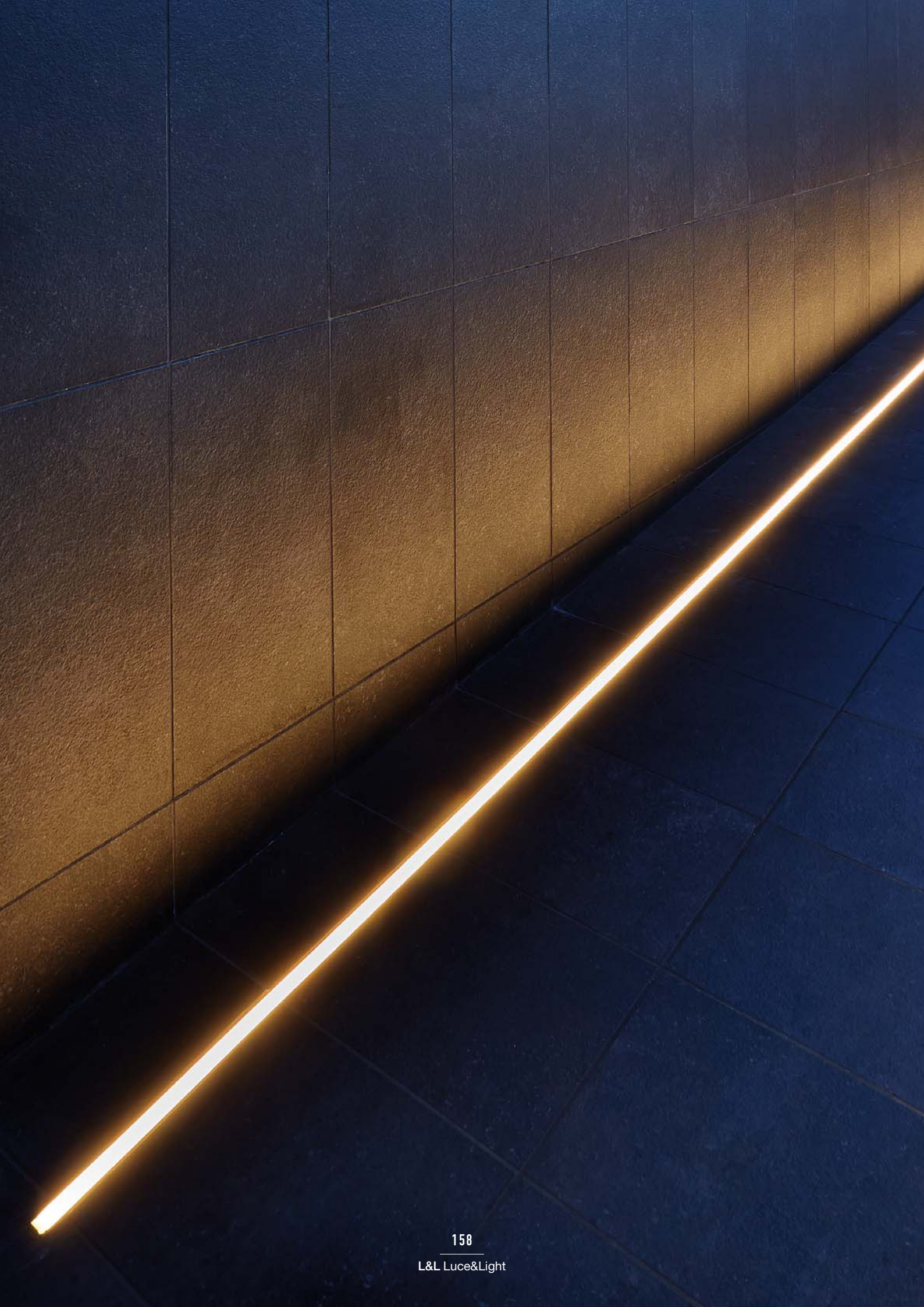
POWER SUPPLY UNITS Neva 1 / 2 / 5 / 6 / 7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860
-	RGBW controller	-	855 - 860

NEVA 1.0 >
3000K, 25W, 10°x40°

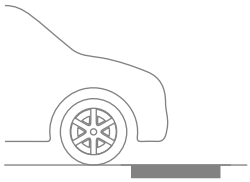
Light planning by / MI10studio
Photo by / Germano Borrelli
Il Vittoriale degli Italiani
Gardone Riviera, Brescia, Italy





RIO

OUTDOOR LINEAR PROFILES
FOR RECESSED LINES OF CONTINUOUS LIGHT



2600K 2800K 3700K RGB



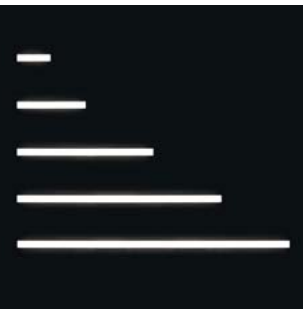
diffuse



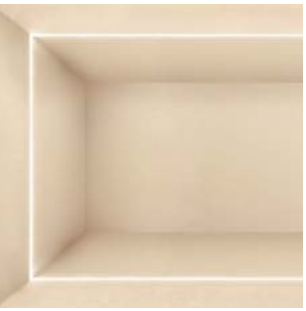


	WIDTH 20 mm	WIDTH 37 mm
260 mm	**RIO 1.0** p. 163 white light: 3W 24Vdc RGB light: 4.5W 24Vdc	**RIO 2.0** p. 167 white light: 5W 24Vdc RGB light: 4.5W 24Vdc
510 mm	**RIO 1.1** p. 163 white light: 6W 24Vdc RGB light: 8.5W 24Vdc	**RIO 2.1** p. 167 white light: 10W 24Vdc RGB light: 8.5W 24Vdc
1010 mm	**RIO 1.2** p. 164 white light: 12W 24Vdc RGB light: 17W 24Vdc	**RIO 2.2** p. 168 white light: 19W 24Vdc RGB light: 17W 24Vdc
1510 mm	**RIO 1.3** p. 165 white light: 18W 24Vdc RGB light: 26W 24Vdc	**RIO 2.3** p. 169 white light: 29W 24Vdc RGB light: 26W 24Vdc
2010 mm	**RIO 1.4** p. 165 white light: 24W 24Vdc RGB light: 34W 24Vdc	**RIO 2.4** p. 169 white light: 38W 24Vdc RGB light: 34W 24Vdc

< RIO 1
2800K, 12W/m



NON-STANDARD
LENGTHS AVAILABLE
ON REQUEST



RECESSED MOUNTING
IN CEILING, WALL
OR GROUND USING
SPECIAL OUTER CASING
AND INSTALLATION KIT



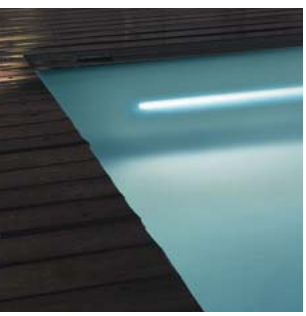
ALUMINIUM
OUTER CASING



STAINLESS STEEL
OUTER CASING



ALUMINIUM
OUTER CASING FOR
PLASTERBOARD

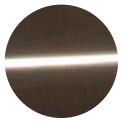


UNDERWATER VERSION:
RIO SUB, P. 716



DRIVE-OVER UP
TO 5000 KG
(WITH ALUMINIUM
OUTER CASING)





NO DARK ZONE
BETWEEN FIXTURES

RIO

UNIQUE SELLING POINTS

IP67

SUITABLE
FOR OUTDOOR
APPLICATIONS

RGB VERSION

BUILT-IN
PROTECTION
SYSTEMS:

IPS

IPS
INTELLIGENT
PROTECTION
SYSTEM

BUILT-IN
TEMPERATURE
SENSOR, AND
THERMAL
MANAGEMENT
IN CEM3



IK10

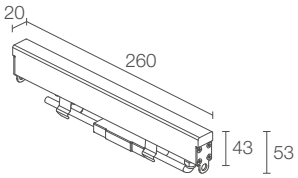
BODY AND SCREEN
IN PMMA TO GUARANTEE
HIGH RESISTANCE



RIO 1



RIO 1.0

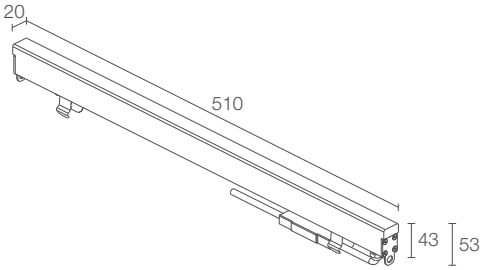


kg 5000 with aluminium outer casing · kg 0.33 · IP67 · IK10

A · A+ · A++ · IPS · T max 40°C

POWER / POWER SUPPLY	3W 24Vdc white light 260 mm 4.5W 24Vdc RGB light 260 mm
CODE	**RE1000** ■ **D B -** ■
■ **LED COLOUR**	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	336 lm (2800K) RGB: 70 lm, R: 15 lm G: 45 lm B: 10 lm
DELIVERED LUMEN OUTPUT	70 lm (2800K) RGB: 50 lm, R: 11 lm G: 32 lm B: 7 lm
NO. AND TYPE OF LED	24 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
MATERIAL	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 170
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 170
NOTES	underwater version: Rio Sub 1, p. 718 non-standard lengths available on request
PHOTOMETRIC DATA	see p. 803

RIO 1.1



kg 5000 with aluminium outer casing · kg 0.56 · IP67 · IK10

A · A+ · A++ · IPS · T max 40°C

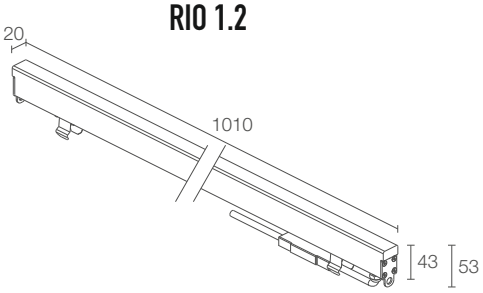
	6W 24Vdc white light 510 mm 8.5W 24Vdc RGB light 510 mm
	RE1100 ■ **D B -** ■
■	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
	diffuse
	672 lm (2800K) RGB: 140 lm, R: 30 lm G: 90 lm B: 20 lm
	140 lm (2800K) RGB: 100 lm, R: 22 lm G: 64 lm B: 14 lm
	48 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 170
	recessed (ceiling, wall, ground)
	see p. 170
	underwater version: Rio Sub 1, p. 718 non-standard lengths available on request
	see p. 803



^
RIO 1.4
2800K, 24W

Light planning by / Lumidée
Five Smíchov
Prague, Czech Republic

RIO 1.2



kg 5000 with aluminium outer casing · kg 0.82 · IP67 · IK10

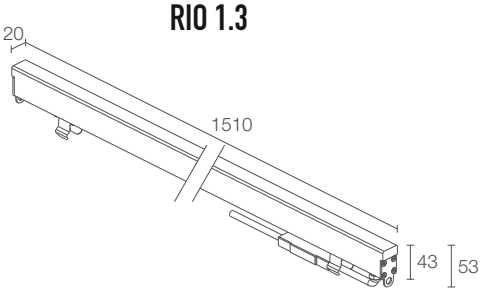
A · A+ · A++ · IPS · T max 40°C

POWER / POWER SUPPLY	12W 24Vdc white light 1010 mm 17W 24Vdc RGB light 1010 mm
CODE	**RE1200** ■ **D B -** ■
■ **LED COLOUR**	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1344 lm (2800K) RGB: 280 lm, R: 60 lm G: 180 lm B: 40 lm
DELIVERED LUMEN OUTPUT	280 lm (2800K) RGB: 200 lm, R: 44 lm G: 128 lm B: 28 lm
NO. AND TYPE OF LED	96 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
MATERIAL	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 170
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 170
NOTES	underwater version: Rio Sub 1, p. 718 non-standard lengths available on request
PHOTOMETRIC DATA	see p. 803

RIO 1



RIO 1.3

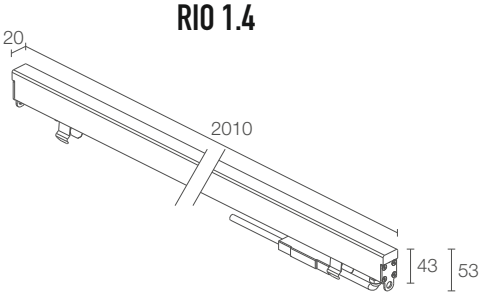


kg 5000 with aluminium outer casing · kg 1.21 · IP67 · IK10

A · A+ · A++ · IPS · T max 40°C

	18W 24Vdc white light 1510 mm 26W 24Vdc RGB light 1510 mm **RE1300** **D B -**
	F - 2600K **5** - 2800K **9** - 3700K **6** - RGB
	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
	diffuse
	2016 lm (2800K) RGB: 420 lm, R: 90 lm G: 270 lm B: 60 lm
	420 lm (2800K) RGB: 300 lm, R: 66 lm G: 192 lm B: 42 lm
	144 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 170
	recessed (ceiling, wall, ground)
	see p. 170
	underwater version: Rio Sub 1, p. 718 non-standard lengths available on request
	see p. 803

RIO 1.4



kg 5000 with aluminium outer casing · kg 1.50 · IP67 · IK10

A · A+ · A++ · IPS · T max 40°C

	24W 24Vdc white light 2010 mm 34W 24Vdc RGB light 2010 mm **RE1400** **D B -**
	F - 2600K **5** - 2800K **9** - 3700K **6** - RGB
	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
	diffuse
	2688 lm (2800K) RGB: 560 lm, R: 120 lm G: 360 lm B: 80 lm
	560 lm (2800K) RGB: 400 lm, R: 88 lm G: 256 lm B: 56 lm
	192 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 170
	recessed (ceiling, wall, ground)
	see p. 170
	underwater version: Rio Sub 1, p. 718 non-standard lengths available on request
	see p. 803



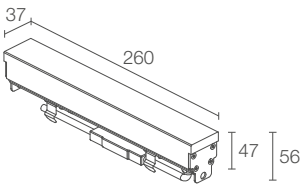
< RIO 2
2800K, 19W/m, version with customized lengths

Project by / AWP
Light planning by / 8'18"
Jardins de l'Arche, Paris, France

RIO 2



RIO 2.0

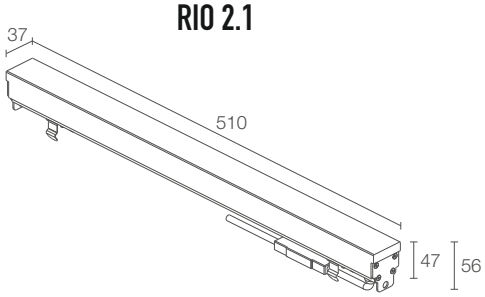


kg 5000 with aluminium outer casing · kg 0.40 · IP67 IK10

A A+ A++ · IPS · T max 40°C

POWER / POWER SUPPLY	5W 24Vdc white light 260 mm 4.5W 24Vdc RGB light 260 mm
CODE	**RE2000** ■ **D B -** ■
■ **LED COLOUR**	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	528 lm (2800K) RGB: 70 lm, R: 15 lm G: 45 lm B: 10 lm
DELIVERED LUMEN OUTPUT	145 lm (2800K) RGB: 50 lm, R: 11 lm G: 32 lm B: 7 lm
NO. AND TYPE OF LED	48 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
MATERIAL	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 170
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 170
NOTES	underwater version: Rio Sub 2, p. 719 non-standard lengths available on request
PHOTOMETRIC DATA	see p. 803

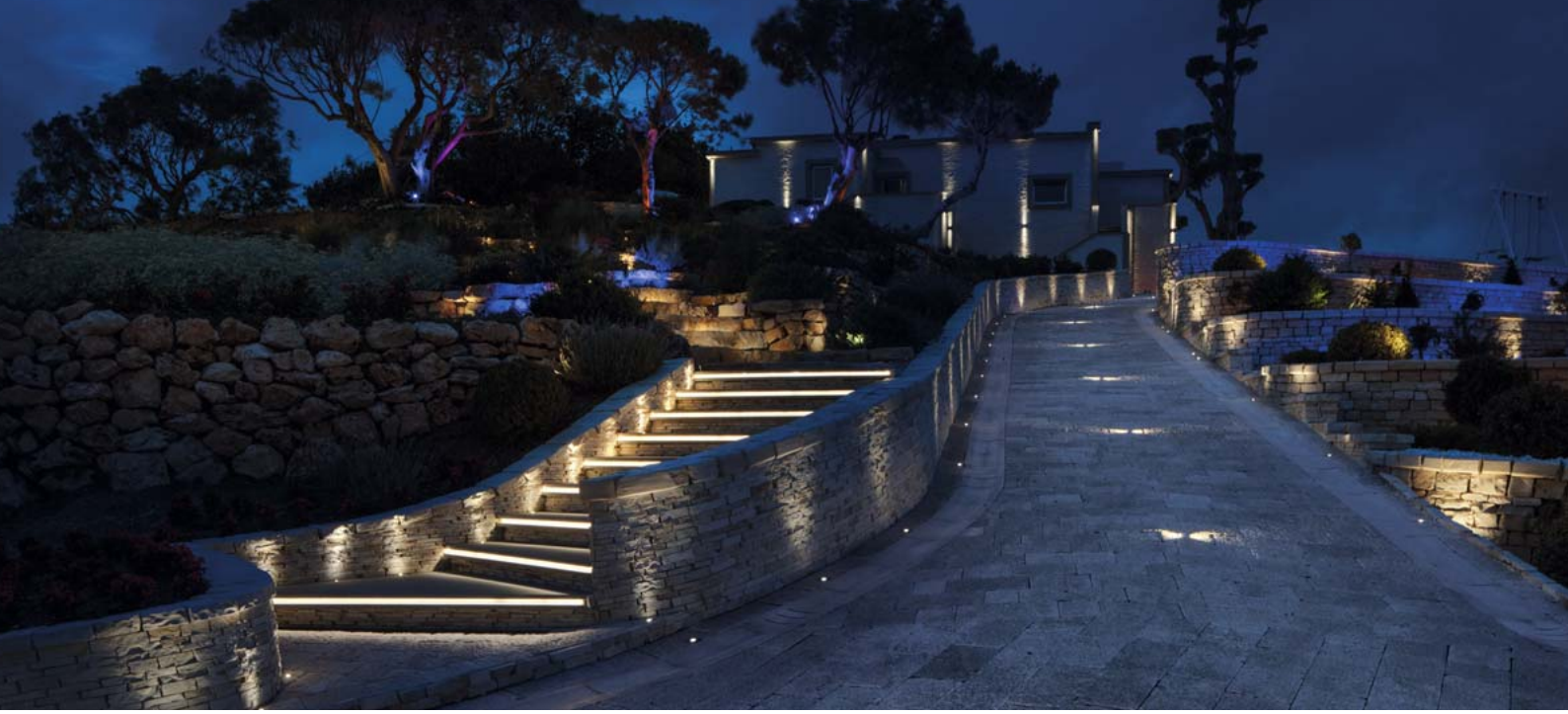
RIO 2.1



kg 5000 with aluminium outer casing · kg 0.80 · IP67 IK10

A A+ A++ · IPS · T max 40°C

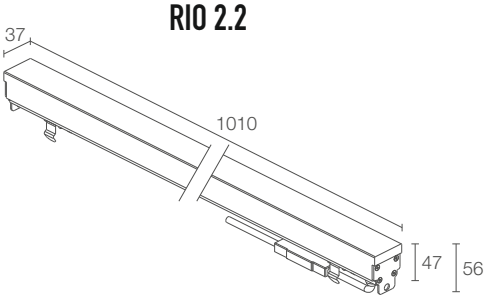
	10W 24Vdc white light 510 mm 8.5W 24Vdc RGB light 510 mm
	RE2100 ■ **D B -** ■
■	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
	diffuse
	1056 lm (2800K) RGB: 140 lm, R: 30 lm G: 90 lm B: 20 lm
	290 lm (2800K) RGB: 100 lm, R: 22 lm G: 64 lm B: 14 lm
	96 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 170
	recessed (ceiling, wall, ground)
	see p. 170
	underwater version: Rio Sub 2, p. 719 non-standard lengths available on request
	see p. 803



^
RIO 2.3
3700K, 29W
RONDÒ 1.2
3000K, 4W, radial optics
micro-blasted stainless steel
BRIGHT 2.8
3000K, 3.5W, 41°, stainless steel

Project by / geom. Giuseppe Carannante
Villa Punta Pennata, Bacoli, Naples, Italy

RIO 2.2



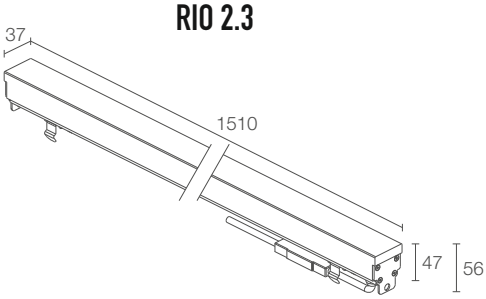
kg 5000 with aluminium outer casing
kg 1.48 IP67 IK10
A A+ A++
IPS
T max 40°C

POWER / POWER SUPPLY	19W 24Vdc white light 1010 mm 17W 24Vdc RGB light 1010 mm
CODE	**RE2200** ■ **D B -** ■
■ **LED COLOUR**	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	2112 lm (2800K) RGB: 280 lm, R: 60 lm G: 180 lm B: 40 lm
DELIVERED LUMEN OUTPUT	580 lm (2800K) RGB: 200 lm, R: 44 lm G: 128 lm B: 28 lm
NO. AND TYPE OF LED	192 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
MATERIAL	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 170
MOUNTING	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 170
NOTES	underwater version: Rio Sub 2, p. 719 non-standard lengths available on request
PHOTOMETRIC DATA	see p. 803

RIO 2



RIO 2.3

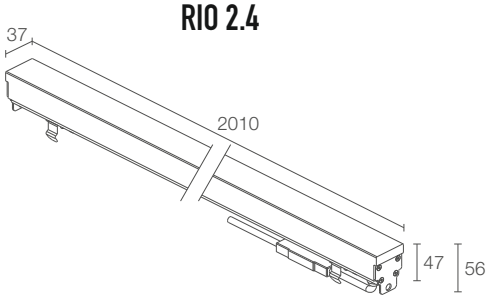


kg 5000 with aluminium outer casing · kg 2.34 · IP67 · IK10

A · A+ · A++ · IPS · T max 40°C

	29W 24Vdc white light 1510 mm 26W 24Vdc RGB light 1510 mm **RE2300** ■ **D B -** ■
■	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
	diffuse
	3168 lm (2800K) RGB: 420 lm, R: 90 lm G: 270 lm B: 60 lm
	870 lm (2800K) RGB: 300 lm, R: 66 lm G: 192 lm B: 42 lm
	288 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 170
	recessed (ceiling, wall, ground)
	see p. 170
	underwater version: Rio Sub 2, p. 719 non-standard lengths available on request
	see p. 803

RIO 2.4



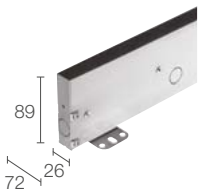
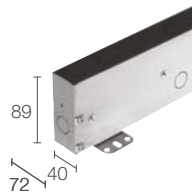
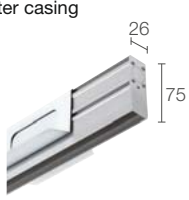
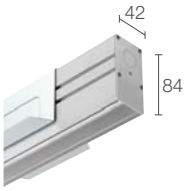
kg 5000 with aluminium outer casing · kg 2.66 · IP67 · IK10

A · A+ · A++ · IPS · T max 40°C

	38W 24Vdc white light 2010 mm 34W 24Vdc RGB light 2010 mm **RE2400** ■ **D B -** ■
■	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm RGB: includes 1.5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m (only white light) **3** - 15 m (only white light) **4** - 20 m (only white light)
	diffuse
	4224 lm (2800K) RGB: 560 lm, R: 120 lm G: 360 lm B: 80 lm
	1160 lm (2800K) RGB: 400 lm, R: 88 lm G: 256 lm B: 56 lm
	384 SMD low-power LEDs 3-step MacAdam RGB: SMD full-colour LED 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 170
	recessed (ceiling, wall, ground)
	see p. 170
	underwater version: Rio Sub 2, p. 719 non-standard lengths available on request
	see p. 803

RIO

ACCESSORIES AND POWER SUPPLY UNITS

	RIO 1.0	RIO 1.1	RIO 1.2	RIO 1.3	RIO 1.4		RIO 2.0	RIO 2.1	RIO 2.2	RIO 2.3	RIO 2.4
ACCESSORIES FOR INSTALLATION											
 Aluminium outer casing	**WC8110** 264 mm	**WC8111** 514 mm	**WC8112** 1014 mm	**WC8113** 1515 mm	**WC8114** 2015 mm	 Aluminium outer casing	**WC8220** 264 mm	**WC8221** 514 mm	**WC8222** 1014 mm	**WC8223** 1515 mm	**WC8224** 2015 mm
 Stainless steel outer casing	**WC8150** 263 mm	**WC8151** 513 mm	**WC8152** 1013 mm	**WC8153** 1514 mm	**WC8154** 2014 mm	 Stainless steel outer casing	**WC8250** 263 mm	**WC8251** 513 mm	**WC8252** 1013 mm	**WC8253** 1514 mm	**WC8254** 2014 mm
 Aluminium outer casing for plasterboard	**WC8310** 264 mm	**WC8311** 514 mm	**WC8312** 1014 mm	**WC8313** 1515 mm	**WC8314** 2015 mm	 Aluminium outer casing for plasterboard	**WC8420** 264 mm	**WC8421** 514 mm	**WC8422** 1014 mm	**WC8423** 1515 mm	**WC8424** 2015 mm
for spare parts, see p. 866						for spare parts, see p. 866					

ACCESSORIES FOR INSTALLATION



WN8101
Anti-fall kit
(Rio 1)



WN8102
Anti-fall kit
(Rio 2)



WN6005
Alignment kit for
aluminium outer casings



WN8011
Alignment kit for
stainless steel outer casings

POWER CABLES

the choice of power cable is included in the configuration
of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

RGB

FEP+PCP cable (equivalent to H05RN-F cables)
4x0.50/0.50 Ø6.3 mm IPS

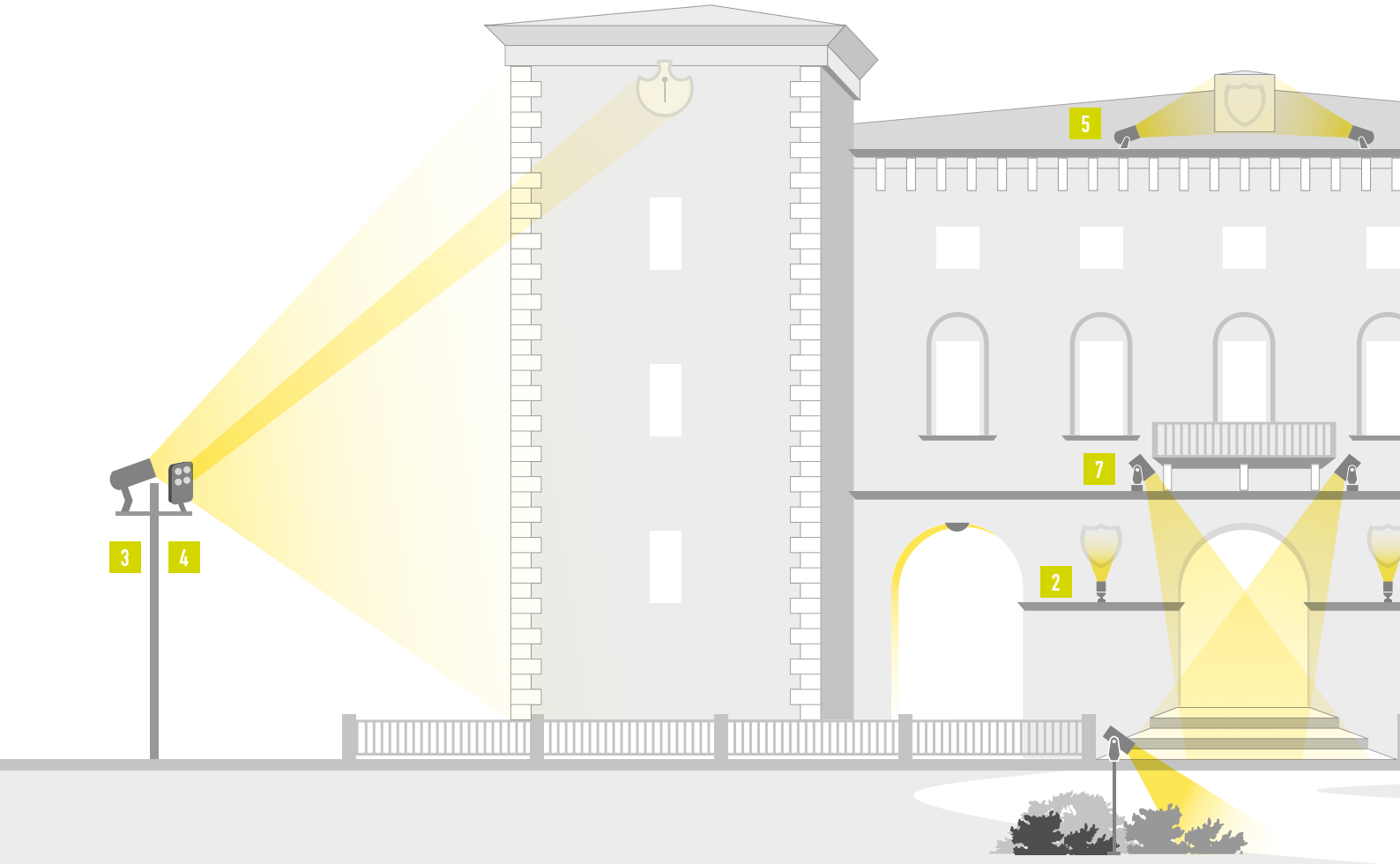
POWER SUPPLY UNITS

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860

RIO 2 >
3700K, 19W/m, version with customized lengths

Project by / Salvatore Ferragamo HQ Store planning
Light planning by / Salvatore Ferragamo HQ Store planning
in association with Flux cs Studio
Salvatore Ferragamo Tokyo Ginza Flagship Store
Tokyo, Japan


Salvatore Ferragamo
Salvatore Ferragamo



1 **GINKO** p. 176 2 **PIVOT** p. 188 3 **AKRO** p. 194 4 **SIRI** p. 202

PROJECTORS

FOR OUTDOOR APPLICATIONS



5 **SPOT** p. 214

6 **FLORI** p. 222

7 **KLEO** p. 230

8 **STRA P** p. 236

9 **LYSS** p. 240







		GINKO see p. 176	PIVOT see p. 188	AKRO see p. 194
APPLICATION		landscapes, gardens, architectural lighting	architectural details	lighting effects
BEAM	FIXED FOCUS	•	•	
	ZOOM LENS	•		•
	BLADE OF LIGHT			
LIGHT COLOUR		2700K 3000K 4000K RGB	2700K 3000K 4000K RGB	2700K 3000K 4000K
ADJUSTABILITY				
POWER SUPPLY	CONSTANT CURRENT power supply unit not included	max 500mA (RGB light)	max 500mA (RGB light)	max 1050mA
	CONSTANT VOLTAGE power supply unit not included	24Vdc (white light)	24Vdc (white light)	
	MAINS VOLTAGE built-in power supply unit			230Vac
CONTROL SYSTEM				DALI 1-10V
IP		IP66	IP65 / IP66	IP66
APPLIANCE CLASS				
UNIQUE SELLING POINTS		shadow-effect filter IP69K		interchangeable optical filters

					
SIRI	**SPOT**	**FLORI**	**KLEO**	**STRA P**	**LYSS**
see p. 202	see p. 214	see p. 222	see p. 230	see p. 236	see p. 240
architectural lighting, large buildings	accent lighting	landscapes, gardens	facades	architectural lighting, large buildings	architectural details (arches, corners, windowsills)
•	•	•	•	•	
					•
2700K 3000K 4000K 5000K RGBW	2700K 3000K 4000K 5000K blue	2700K 3000K 4000K RGBW	2700K 3000K 4000K	2700K 3000K 4000K RGBW	2700K 3000K 4000K blue RGBW
	max 500mA				
24Vdc (RGBW light)	24Vdc	24Vdc (RGBW light)		24Vdc (RGBW light)	24Vdc (white/blue/RGBW light)
230Vac (white light)	230Vac	230Vac (white light)	230Vac	230Vac (white light)	230Vac (white/blue light)
1-10V				1-10V	
IP66	IP66 / IP68	IP66	IP66	IP66	IP65


90

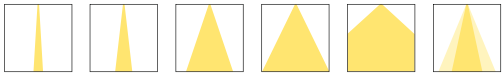
GINKO

OUTDOOR PROJECTORS
VERSATILE LIGHT FOR ENHANCING GREEN AREAS

2700K 3000K 4000K

	Ø34 mm	Ø54 mm	Ø84 mm

FIXED FOCUS







GINKO 1.0 p. 181
2.5W/3.5W
24Vdc



GINKO 2.0 p. 182
3.5W/5W/7W
24Vdc

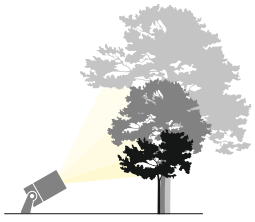


GINKO 3.0 p. 185
10W/15W
24Vdc



GINKO 2.2 p. 183
max 5W
max 500mA
RGB

ZOOM LENS





GINKO 1.4 p. 181
3.5W
24Vdc



GINKO 2.4 p. 183
7W
24Vdc



GINKO 3.4 p. 185
15W
24Vdc

< **GINKO 3.0**
3000K, 10W, 12°x64°, jasper green

5°

8°

11°

17°

21° sharp

34°

45°

47°

61° sharp

68°

13°x52°

54°x15°

6-STEP MATERIAL PROTECTION, OXIDATION AND CORROSION RESISTANCE

Low-copper-content anticorodal aluminium alloy 6082
Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with Qualicoat automotive coating standard
Salt spray tested (over 1500 hours)

DESIGN AWARD 2019

GERMAN DESIGN AWARD WINNER 2020

WINNER miaw Muuuz International Awards 2019

RAL FINISH ON REQUEST

IP66

SUITABLE FOR OUTDOOR APPLICATIONS

GINKO 3.0 / 3.4: ELLIPTICAL OPTICS, ADJUSTABLE MANUALLY THROUGH 360° USING MAGNET INCLUDED (PATENTED)

BUILT-IN PROTECTION SYSTEMS:

IPS
INTELLIGENT PROTECTION SYSTEM

PID
PROTECTIVE IMPEDANCE DEVICE



BODY AND TRIM IN AISI 316L STAINLESS STEEL OR IN LOW-COPPER-CONTENT ANTICORODAL ALUMINIUM ALLOY 6082 FOR EXCELLENT RESISTANCE TO CORROSION MADE ENTIRELY ON A CNC LATHE

GINKO 2 HAS A WIDE RANGE OF OPTICS, INCLUDING A VERY NARROW 5°, AND ELLIPTICAL OPTICS. SHARP OPTICS ARE ALSO AVAILABLE, WHICH CREATE LIGHT BEAMS WITH PIN-SHARP EDGES

BRACKET IN AISI 316L STAINLESS STEEL

GINKO

UNIQUE SELLING POINTS

CRI 80 AND CRI >90 VERSIONS FOR IMPROVED COLOUR RENDERING



4-MM-THICK TRANSPARENT EXTRA-CLEAR GLASS WITH VITRIFIED SERIGRAPHY, HIGH TRANSMITTANCE TO ENSURE CHROMATIC UNIFORMITY AND TEMPERED FOR EXCELLENT RESISTANCE TO KNOCKS AND SCRATCHES

IK07
GINKO 1/2

IK09
GINKO 3



IP69K RESISTANT TO CLEANING WITH HIGH-PRESSURE, HIGH-TEMPERATURE SPRAY-DOWNS (ISO 20653 COMPLIANT)

IP69K

JASPER GREEN FINISH DEVELOPED SPECIFICALLY FOR USE IN LANDSCAPE DESIGN



CABLE GLAND INTEGRATED IN LIGHTING FIXTURE



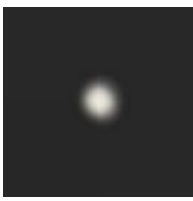
FLEXIBLE CABLE-PROTECTION TUBE ACCESSORY (GINKO 1 / 2)



ANTI-GLARE RECESSED OPTICS



5° OPTICS TO DIRECT THE BEAM ONTO SMALL SURFACES EVEN AT GREAT DISTANCES

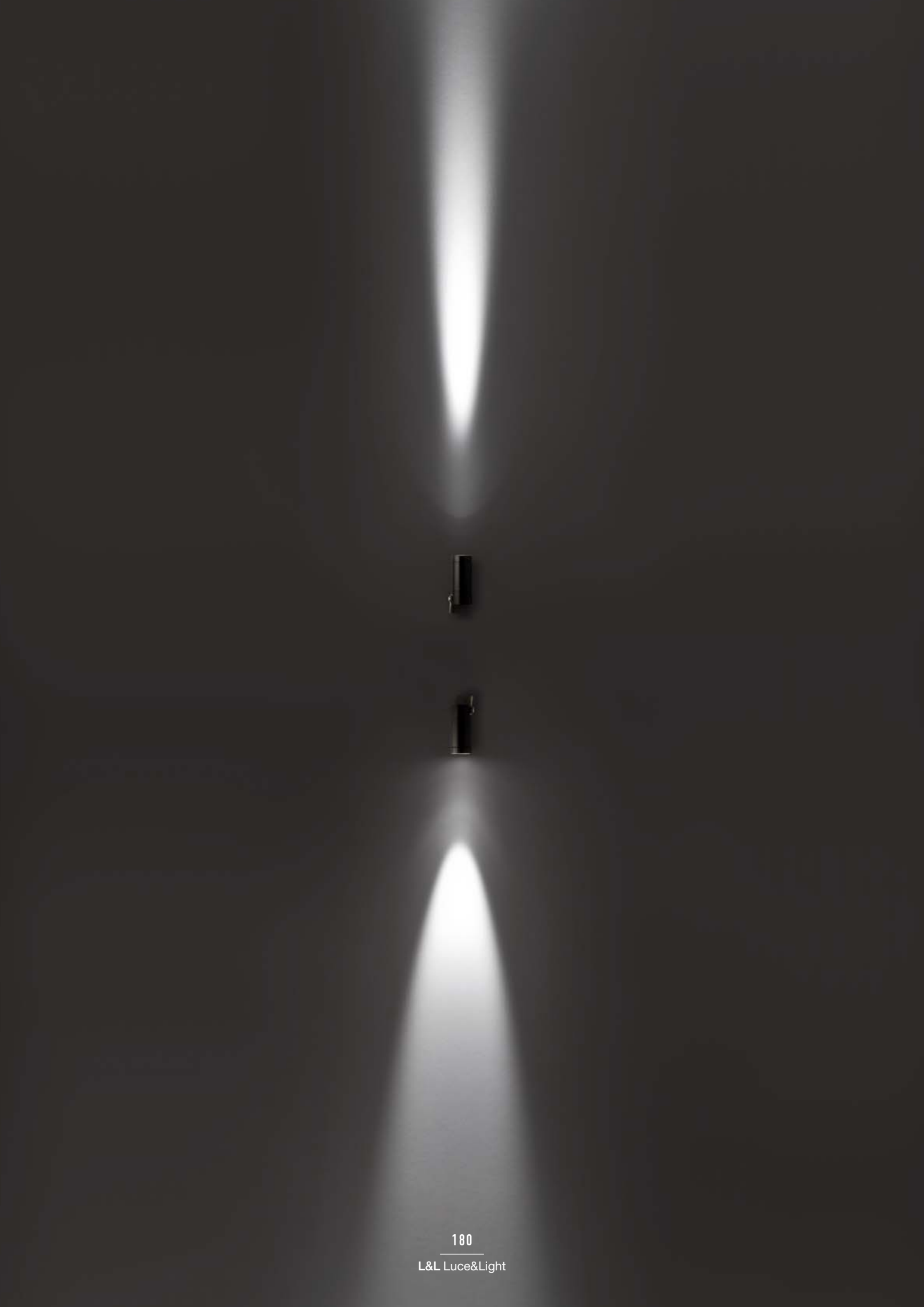


THE SHADOW-EFFECT FILTER ACCESSORY RECREATES THE NATURAL DAPPLED EFFECT OF LIGHT SHINING THROUGH FOLIAGE

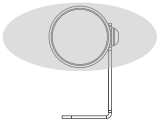


MANUAL ZOOM LENS TO ALLOW THE BEAM TO BE CONTROLLED MANUALLY DURING INSTALLATION





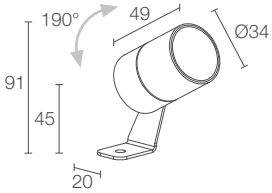
GINKO 1



16°x36° optics
(Ginko 1.0)

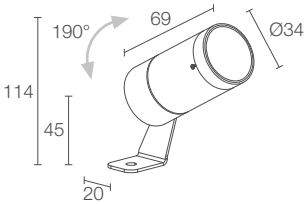


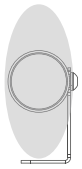
GINKO 1.0





GINKO 1.4





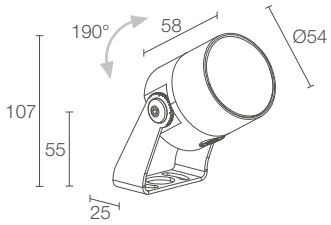
36°x16° optics
(Ginko 1.0)

	GINKO 1.0	GINKO 1.4
	CE LED TECH kg 0.22 IP66 IP69K IK07 A A+ A++ IPS PID	CE LED TECH kg 0.19 IP66 IK07 A A+ A++ IPS PID
POWER SUPPLY **CODE**	24Vdc **GN100 I** Stainless steel **GN100 E** White **GN100 N** Anodized black **GN100 F** Grey **GN100 H** Anthracite **GN100 T** Cor-ten **GN100 5** Jasper green	24Vdc **GN1401 R1 E** White **GN1401 R1 N** Anodized black **GN1401 R1 F** Grey **GN1401 R1 H** Anthracite **GN1401 R1 T** Cor-ten **GN1401 R1 5** Jasper green
POWER	**0** - 2.5W **1** - 3.5W	3.5W
CRI	**0** - CRI 80 **1** - CRI >90	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**T** - 12° (4000K only CRI 80) **S** - 19° **M** - 36° **U** - 38° sharp **Q** - 58° **W** - 16°x36° **X** - 36°x16°	optical range 8°–28°
LUMEN OUTPUT AT SOURCE	168 lm (3000K, 2.5W, CRI 80) 224 lm (3000K, 3.5W, CRI 80)	224 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	146 lm (3000K, 19°, 2.5W, CRI 80) 193 lm (3000K, 19°, 3.5W, CRI 80)	42 lm (3000K, 28°, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in AISI 316L stainless steel or anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass	body in anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 187	not included, see p. 187
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 186	see p. 187
PHOTOMETRIC DATA	see p. 766	see p. 766

GINKO 2



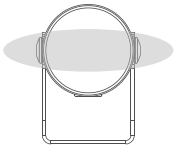
GINKO 2.0



kg 0.45 IP66 IP69K IK07

A A+ A++ IPS PID

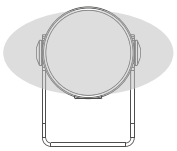
POWER SUPPLY	24Vdc
CODE	**GN200 I** Stainless steel **GN200 E** White **GN200 N** Anodized black **GN200 G** Grey **GN200 H** Anthracite **GN200 T** Cor-ten **GN200 5** Jasper green
POWER	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**U** - 5° only 3.5W (4000K only CRI 80) **V** - 8° **T** - 11° **S** - 17° **P** - 21° sharp **M** - 34° **L** - 45° **J** - 47° **Q** - 61° sharp **K** - 68° **W** - 13°x52° **X** - 54°x15°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C) version with 5° optics: 1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in AISI 316L stainless steel or anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 187
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
WIRING	parallel
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 186
PHOTOMETRIC DATA	see p. 767



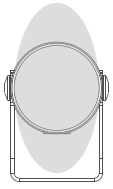
13°x52° optics
(Ginko 2.0)



54°x15° optics
(Ginko 2.0)



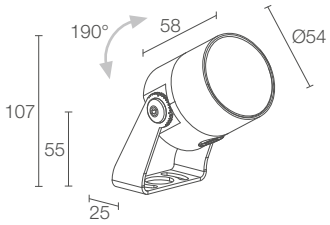
21°x42° optics
(Ginko 2.2)



42°x21° optics
(Ginko 2.2)



GINKO 2.2



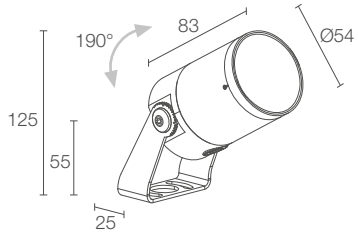
kg 0.45 IP66 IP69K IK07

A A+ A++ IPS

max 500mA	
GN2232 6 I	Stainless steel
GN2232 6 E	White
GN2232 6 N	Anodized black
GN2232 6 F	Grey
GN2232 6 H	Anthracite
GN2232 6 T	Cor-ten
GN2232 6 5	Jasper green
max 5W	
RGB	
S - 20° **M** - 34° **L** - 45° **W** - 21°x42° **X** - 42°x21°	
253 lm, R: 82 lm G: 114 lm B: 57 lm (500mA)	
191 lm, R: 70 lm G: 90 lm B: 31 lm (500mA, 34°)	
3 power LEDs 50000h L90 B10 (Ta 25°C)	
body in AISI 316L stainless steel or anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass	
not included, see p. 187	
includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm	
series	
surface mounted (ceiling, wall, ground, spike, strap)	
see p. 186	
see p. 768	



GINKO 2.4



kg 0.45 IP66 IK07

A A+ A++ IPS PID

24Vdc	
GN2401 R1 E	White
GN2401 R1 N	Anodized black
GN2401 R1 F	Grey
GN2401 R1 H	Anthracite
GN2401 R1 T	Cor-ten
GN2401 R1 5	Jasper green
7W	
0 - CRI 80 **1** - CRI >90	
F - 2700K **5** - 3000K **9** - 4000K	
optical range 9°–36°	
657 lm (3000K, CRI 80)	
122 lm (3000K, 36°, CRI 80)	
1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	
body in anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass	
not included, see p. 187	
includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm	
parallel	
surface mounted (ceiling, wall, ground, spike, strap)	
see p. 187	
see p. 768	



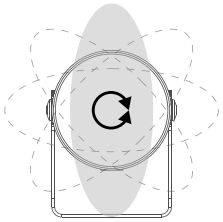
GINKO 3

patented

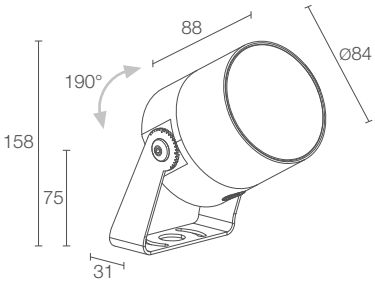
elliptical optics, adjusted manually with magnet



GINKO 3.0



Adjustable elliptical optics



kg 1.25 IP66 IP69K IK09

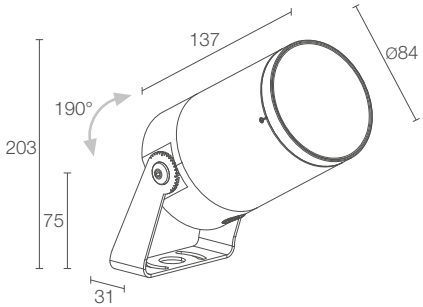
A A+ A++ IPS

patented

elliptical optics, adjusted manually with magnet



GINKO 3.4



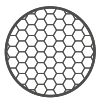
kg 1.53 IP66 IK09

A A+ A++ IPS

	GINKO 3.0	GINKO 3.4
POWER SUPPLY	24Vdc	24Vdc
CODE	**GN300 I** Stainless steel **GN300 E** White **GN300 N** Anodized black **GN300 F** Grey **GN300 H** Anthracite **GN300 T** Cor-ten **GN300 5** Jasper green	**GN3401 E** White **GN3401 N** Anodized black **GN3401 F** Grey **GN3401 H** Anthracite **GN3401 T** Cor-ten **GN3401 5** Jasper green
POWER	**0** - 10W **1** - 15W	15W
CRI	**0** - CRI 80 **1** - CRI >90	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K RGBW (10W 24Vdc) on request	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 13° **M** - 30° **L** - 42° **P** - 48° sharp **J** - 58° **W** - 12°x64° adjustable **X** - 28°x72° adjustable	**R1** - optical range 8°–38° **R2** - optical range 8°x66° – 36°x70° adjustable
LUMEN OUTPUT AT SOURCE	1096 lm (3000K, 10W, CRI 80) 1662 lm (3000K, 15W, CRI 80)	1662 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	750 lm (3000K, 42°, 10W, CRI 80) 1162 lm (3000K, 42°, 15W, CRI 80)	350 lm (3000K, 38°, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in AISI 316L stainless steel or anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass	body in anticorodal aluminium bracket in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 187	not included, see p. 187
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 186	see p. 187
FEATURES	12°x64° optics and 28°x72° optics and shadow-effect-filter, adjustable through 360° using magnet included	optical range 8°x66° – 36°x70° adjustable through 360° using magnet included
NOTES	version with bracket in customized length available on request	
PHOTOMETRIC DATA	see p. 769	see p. 769

GINKO

ACCESSORIES AND POWER SUPPLY UNITS

	GINKO 1.0	GINKO 2.0	GINKO 2.2	GINKO 3.0
ANTI-GLARE ACCESSORIES				
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture the honeycomb louvre can be fitted on all optics except for the sharp and adjustable elliptical optics	**WH8001**	**WH0201**	**WH0201**	**WH8000**
 Standard snoot	**WB8011E** White **WB8011N** Anodized black **WB8011F** Grey **WB8011H** Anthracite **WB8011T** Cor-ten **WB80115** Jasper green Ø39.5x40 mm	**WB8012E** White **WB8012N** Anodized black **WB8012F** Grey **WB8012H** Anthracite **WB8012T** Cor-ten **WB80125** Jasper green Ø59.5x63 mm	**WB8012E** White **WB8012N** Anodized black **WB8012F** Grey **WB8012H** Anthracite **WB8012T** Cor-ten **WB80125** Jasper green Ø59.5x63 mm	**WB8010E** White **WB8010N** Anodized black **WB8010F** Grey **WB8010H** Anthracite **WB8010T** Cor-ten **WB80105** Jasper green Ø90x85 mm
 Asymmetrical snoot	**WB8021E** White **WB8021N** Anodized black **WB8021F** Grey **WB8021H** Anthracite **WB8021T** Cor-ten **WB80215** Jasper green Ø39.5x51 mm	**WB8022E** White **WB8022N** Anodized black **WB8022F** Grey **WB8022H** Anthracite **WB8022T** Cor-ten **WB80225** Jasper green Ø59.5x82 mm	**WB8022E** White **WB8022N** Anodized black **WB8022F** Grey **WB8022H** Anthracite **WB8022T** Cor-ten **WB80225** Jasper green Ø59.5x82 mm	**WB8020E** White **WB8020F** Grey **WB8020H** Anthracite **WB8020T** Cor-ten **WB80205** Jasper green Ø85x92 mm
OPTICAL ACCESSORIES				
 Shadow-effect filter built into the lighting fixture order together with the lighting fixture the shadow-effect filter can be fitted only on the 48° sharp optics				**WR8000**

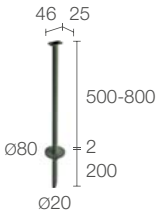
ACCESSORIES FOR INSTALLATION



WP0100

Spike for
in-ground installation

(Ginko 1.0 / 1.4 / 2.0 /
2.2 / 2.4 / 3.0 / 3.4)



h 500 mm

WP1006I - Stainless steel
WP1006E - White
WP1006F - Grey
WP1006H - Anthracite
WP1006T - Cor-ten
WP10065 - Jasper green

h 800 mm

WP1007I - Stainless steel
WP1007E - White
WP1007F - Grey
WP1007H - Anthracite
WP1007T - Cor-ten
WP10075 - Jasper green

Spike for
in-ground installation

(Ginko 2.0 / 2.2 / 2.4 / 3.0 / 3.4)



WP1004

Fastener
strap - 5 m

(Ginko 1.0 / 1.4 / 2.0 /
2.2 / 2.4 / 3.0 / 3.4)



WF3302

Flexible cable-protection
tube - 18 cm

(Ginko 1.0 / 1.4)

order together with
the lighting fixture

WF3301

Flexible cable-protection
tube - 15 cm

(Ginko 2.0 / 2.2 / 2.4)

order together with
the lighting fixture

for spare parts, see p. 866

POWER CABLES

to order the power cable, add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

RGB

FEP+RUB cables
(equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

POWER SUPPLY UNITS Ginko 1.0 / 1.4 / 2.0 / 2.4 / 3.0 / 3.4

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Ginko 2.2

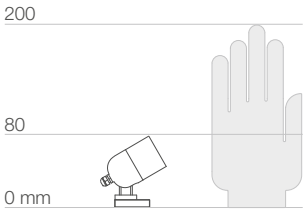
Max no. fixtures	PSU	IP	Page
-	RGB controller	-	855 - 860



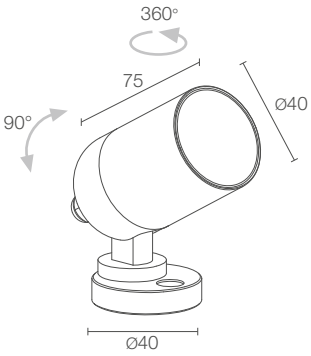
PIVOT

OUTDOOR PROJECTORS
FOR HIGHLIGHTING ARCHITECTURAL DETAILS

PIVOT 1.7

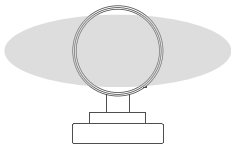




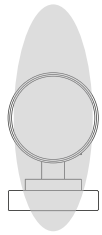


kg 0.40 IP66 IK07

A A+ A++ IPS PID



15°x47° optics



46°x16° optics

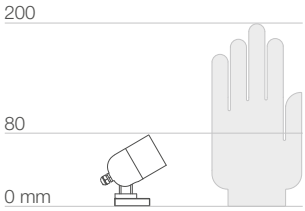
POWER SUPPLY	24Vdc
CODE	**CP170 E** White **CP170 N** Anodized black **CP170 A** Anodized grey **CP170 H** Anthracite **CP170 T** Cor-ten **CP170 5** Jasper green **CP170 U** Copper
POWER	**0** - 3.5W only 5° optics (4000K only CRI 80) **1** - 5W **2** - 7W
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**U** - 5° only 3.5W (4000K only CRI 80) **V** - 8° **T** - 11° **S** - 17° **P** - 21° sharp **M** - 34° **L** - 43° **J** - 45° **Q** - 51° sharp **K** - 54° **W** - 15°x47° **X** - 46°x16°
LUMEN OUTPUT AT SOURCE	488 lm (3000K, 5W, CRI 80) 657 lm (3000K, 7W, CRI 80)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, 5W, CRI 80) 463 lm (3000K, 34°, 7W, CRI 80)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 1/4 ANSI BIN (version with 5° optics) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 193
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 192
PHOTOMETRIC DATA	see p. 798

< **PIVOT 1.7**
3000K, 5W, 11°, anodized grey

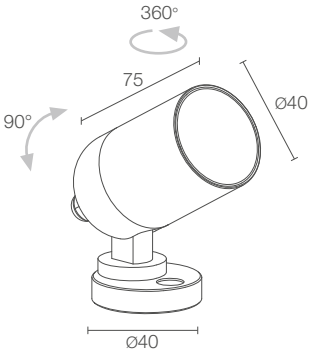
Light planning by / Cristian Turra
Photo by / Alessio Tamborini
Private residence, Brescia, Italy

PIVOT

PIVOT 1.8

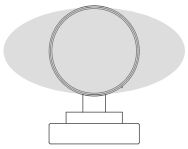






kg 0.40 IP65 IK07

A A+ A++



22°x46° optics



46°x22° optics

POWER / POWER SUPPLY	max 4.5W max 500mA
CODE	**CP1820N00 6 0 E -** White **CP1820N00 6 0 N -** Anodized black **CP1820N00 6 0 A -** Anodized grey **CP1820N00 6 0 H -** Anthracite **CP1820N00 6 0 T -** Cor-ten **CP1820N00 6 0 5 -** Jasper green **CP1820N00 6 0 U -** Copper
HONEYCOMB LOUVRE	**0** - not present **1** - present
OPTICS	**S** - 20° **M** - 33° **L** - 45° **K** - 58° **X** - 46°x22° **W** - 22°x46°
POWER CABLES	includes 1.5 m PVC cable FROR 6x0.25 Ø4.6 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LED COLOUR	RGB
LUMEN OUTPUT AT SOURCE	201 lm, R: 50 lm G: 111 lm B: 40 lm (500mA)
DELIVERED LUMEN OUTPUT	154 lm, R: 43 lm G: 84 lm B: 27 lm (500mA, 33°)
NO. AND TYPE OF LED	3 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 193 and 844
WIRING	series
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 192
PHOTOMETRIC DATA	see p. 799

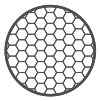
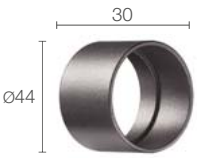
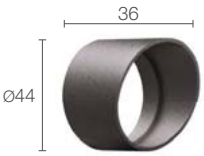
PIVOT 1.7 >
3000K, 5W, 54°, anodized grey

Light planning by / MI10studio
Photo by / Germano Borrelli
Il Vittoriale degli Italiani
Gardone Riviera, Brescia, Italy



PIVOT

ACCESSORIES AND POWER SUPPLY UNITS

	PIVOT 1.7	PIVOT 1.8
ANTI-GLARE ACCESSORIES		
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture the honeycomb louvre can be fitted on all optics, except for the sharp optics	**WH0310**	
 Standard snoot	**WB0310E** White **WB0310N** Anodized black **WB0310A** Anodized grey **WB0310H** Anthracite **WB0310T** Cor-ten **WB03105** Jasper green **WB0310U** Copper	**WB0310E** White **WB0310N** Anodized black **WB0310A** Anodized grey **WB0310H** Anthracite **WB0310T** Cor-ten **WB03105** Jasper green **WB0310U** Copper
 Asymmetrical snoot	**WB0311E** White **WB0311N** Anodized black **WB0311A** Anodized grey **WB0311H** Anthracite **WB0311T** Cor-ten **WB03115** Jasper green **WB0311U** Copper	**WB0311E** White **WB0311N** Anodized black **WB0311A** Anodized grey **WB0311H** Anthracite **WB0311T** Cor-ten **WB03115** Jasper green **WB0311U** Copper
ACCESSORIES FOR INSTALLATION		
 Spike for in-ground installation	**WP0100**	**WP0100**
 Fastener strap - 5 m	**WP1004**	**WP1004**

POWER CABLES Pivot 1.7

to order the power cable, add the suffix -1, -2, -3 or -4
to the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

POWER SUPPLY UNITS Pivot 1.7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Pivot 1.8

Max no. fixtures	PSU	IP	Page
-	RGB controller	-	855 - 860

v
PIVOT 1.8
RGB, 4.5W, 58°, white

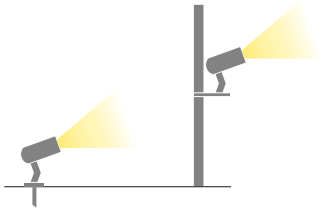
Project and light planning by / pbr Planungsbüro Rohling
Photo by / Andreas Secci
SoleVital, Bad Laer, Germany





AKRO

OUTDOOR PROJECTOR
ADJUSTABLE BEAM AND INTERCHANGEABLE OPTICAL FILTERS



2700K 3000K 4000K

zoom lens

DIMMABLE WITH REMOTE PSU



AKRO 1.0 p. 198
max 37W max 1050mA

BUILT-IN POWER SUPPLY UNIT



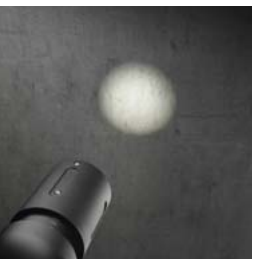
AKRO 1.1 p. 199
43W 230Vac

BUILT-IN POWER SUPPLY UNIT DALI 1-10V



AKRO 1.2 p. 199
43W 230Vac

< **AKRO 1.1**
with optical accessories and anti-glare accessories



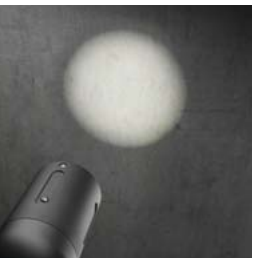
OPTICAL RANGES:
13°–32°, 16°–42°

reddot award 2017
winner lighting design

DESIGN AWARD 2017

GOOD DESIGN AWARD 2017

GERMAN DESIGN AWARD WINNER 2018

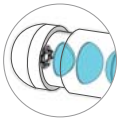


ZOOM LENS
TO ADJUST THE LIGHT
BEAM MANUALLY

IK06

4-MM-THICK TRANSPARENT
EXTRA-CLEAR GLASS, HIGH
TRANSMITTANCE TO ENSURE THE
LIGHT'S CHROMATIC UNIFORMITY, AND
TEMPERED FOR EXCELLENT RESISTANCE
TO KNOCKS AND SCRATCHES





INTERNAL ANTI-REFLECTIVE
ASPHERIC OPTICAL SYSTEM
IN BK7 BOROSILICATE GLASS



IP66

SUITABLE
FOR OUTDOOR
APPLICATIONS



BUILT-IN
PROTECTION
SYSTEMS:

IPS

IPS
INTELLIGENT
PROTECTION
SYSTEM
(AKRO 1.0)

PID

PID
PROTECTIVE
IMPEDANCE
DEVICE
(AKRO 1.1 / 1.2)



SALT SPRAY TESTED
(over 1500 hours)



GRADUATIONS
IN THREE DIFFERENT
POINTS ON
THE BODY TO
ENSURE PRECISE
BEAM POSITIONING

AKRO

UNIQUE SELLING POINTS

BODY IN LOW-COPPER-CONTENT ANTICORODAL ALUMINIUM 6082 FOR EXCELLENT RESISTANCE TO CORROSION, PRODUCED ENTIRELY ON A CNC LATHE





WIDE RANGE OF FILTERS (DICHROIC, ELLIPTICAL, DIFFUSION, COLOUR-TEMPERATURE CONVERSION, HONEYCOMB LOUVRE)



FILTER REPLACEMENT



MOCK-UP CARTRIDGE FOR LIGHTING TRIALS



IP66 CARTRIDGE INCLUDED



ARM FOR POLE MOUNTING

AKRO

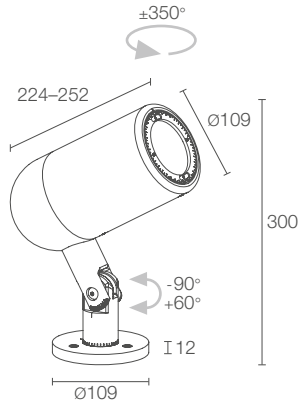
v
AKRO 1.1
3000K, 43W, optical range 13°–32°
with diffusion filter

Villa Da Porto Casarotto
Dueville, Vicenza, Italy





AKRO 1.0



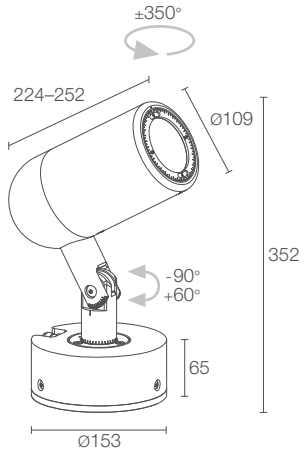
kg 4.00 IP66 IK06

A A+ A++ IPS

POWER / POWER SUPPLY **CODE**	**max 37W max 1050mA** **AK1000** ■ ■ ■ **N** Anodized black
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**R1** - optical range 13°–32° **R2** - optical range 16°–42°
LUMEN OUTPUT AT SOURCE	3260 lm (3000K, 1050mA, CRI 80)
NO. AND TYPE OF LED	1 COB high-intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in black-anodized anticorodal aluminium screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 200 and 844
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
WIRING	series
MOUNTING	surface mounted (ceiling, wall, ground, spike, pole)
ACCESSORIES	see p. 200
FEATURES	dimmable with remote PSU
NOTES	dichroic filters available on request in non-standard colouring
PHOTOMETRIC DATA	see p. 724



AKRO 1.1



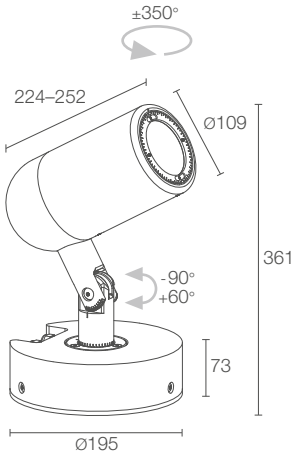
kg 5.60 IP66 IK06

A A+ A++ PID

	43W 230Vac **AK1110** **N** Anodized black
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	R1 - optical range 13°–32° **R2** - optical range 16°–42°
	3260 lm (3000K, CRI 80)
	1 COB high-intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in tempered, transparent extra-clear glass
	built in
	none
	mains voltage
	surface mounted (ceiling, wall, ground)
	see p. 200
	dichroic filters available on request in non-standard colouring
	see p. 724



AKRO 1.2



kg 6.50 IP66 IK06

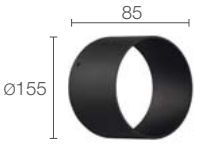
A A+ A++ PID

	43W 230Vac DALI + 1-10V + PUSH **AK1210** **ND** Anodized black
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	R1 - optical range 13°–32° **R2** - optical range 16°–42°
	3260 lm (3000K, CRI 80)
	1 COB high-intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in black-anodized anticorodal aluminium screen in tempered, transparent extra-clear glass
	built in
	none
	mains voltage
	surface mounted (ceiling, wall, ground)
	see p. 200
	dimmable
	dichroic filters available on request in non-standard colouring
	see p. 724

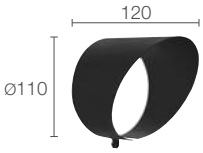
AKRO

ACCESSORIES AND POWER SUPPLY UNITS

ANTI-GLARE ACCESSORIES



WB1101N - Black
Standard snoot



WB1102N - Black
Asymmetrical snoot



WB1103N - Black
Barn doors

OPTICAL ACCESSORIES

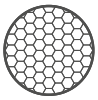


WR0001 - Red
WR0002 - Green
WR0003 - Blue
WR0004 - Orange
Dichroic filter



WR0010 - Diffusion
WR0020 - Elliptical
Optical filter

WR0030 - Variation towards warm white light
WR0031 - Variation towards cold white light
Colour temperature conversion filter



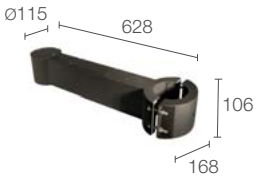
WH0506
Honeycomb louvre

Akro can house up to 2 filters

ACCESSORIES FOR INSTALLATION



WP0300
Spike for installation in the ground
(Akro 1.0)



WP1005N
Arm for pole mounting
(Akro 1.0)



WE0300
Accessory for extracting IP66 cartridge



WR0100
Mock-up cartridge

for spare parts, see p. 866

POWER SUPPLY UNITS Akro 1.0

Max no. fixtures	PSU	IP	Page
1	ACUNI039T1	20	844 845
1	AD050DALIT1	20	848 849 850 852

^
AKRO 1.0
3000K, 37W, with elliptical filter
and orange, blue, red, green dichroic filters

AKRO 1.0 >
3000K, 37W, 13°–32° optical range
with elliptical filter




L&L

SIRI

OUTDOOR PROJECTORS
ARCHITECTURAL LIGHTING FOR LARGE BUILDINGS

2700K 3000K 4000K 5000K

ultra-narrow | narrow | medium | wide | elliptical



SIRI 1.0 p. 206
9W 230Vac



SIRI 2.0 p. 208
16W 230Vac



SIRI 3.0 p. 210
23W 230Vac
1-10V, ON/OFF



SIRI 1.1 p. 206
9W 230Vac



SIRI 2.1 p. 208
16W 230Vac



SIRI 3.1 p. 210
23W 230Vac
1-10V, ON/OFF

RGBW

narrow | medium | wide | elliptical



SIRI 1.2 p. 207
11W 24Vdc



SIRI 2.2 p. 209
20W 24Vdc



SIRI 3.2 p. 211
33W 24Vdc



SIRI 1.3 p. 207
11W 24Vdc



SIRI 2.3 p. 209
20W 24Vdc



SIRI 3.3 p. 211
33W 24Vdc

< SIRI 3.0
23W, grey

RGBW
VERSION







BUILT-IN
PROTECTION
SYSTEMS:

IPS
INTELLIGENT
PROTECTION
SYSTEM

PID
PROTECTIVE
IMPEDANCE DEVICE
(WHITE LED COLOUR)

NTC
TEMPERATURE
SENSOR
BUILT IN
(SIRI 3.0 / 3.1)

DESIGN
patent
pending

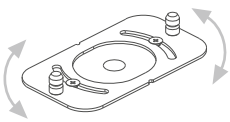
6-STEP MATERIAL PROTECTION,
AND OXIDATION AND
CORROSION RESISTANCE

Low-copper-content aluminium alloy EN AB 47100
Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with
Qualicoat automotive coating standard
Salt spray tested (over 1000 hours)

IP66

SUITABLE
FOR OUTDOOR
APPLICATIONS

RAL FINISH
ON REQUEST



INTEGRATED BASE FOR CONNECTIONS,
AND PLATE ADJUSTABLE THROUGH 35°



SIRI

UNIQUE SELLING POINTS

IK07
SIRI 1

IK06
SIRI 2/3

BODY IN DIE-CAST
LOW-COPPER-CONTENT
ALUMINIUM EN AB 47100
FOR EXCELLENT RESISTANCE
TO CORROSION

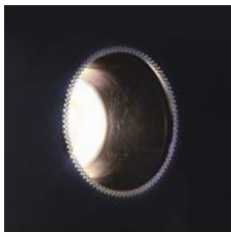




6° OPTICS
The 6° optics means the beam can be concentrated
on a small area even at large distances



ANTI-GLARE
RECESSED OPTICS



4-MM-THICK TRANSPARENT EXTRA-CLEAR
GLASS WITH VITRIFIED SERIGRAPHY,
HIGH TRANSMITTANCE TO ENSURE
CHROMATIC UNIFORMITY AND TEMPERED
FOR EXCELLENT RESISTANCE
TO KNOCKS AND SCRATCHES



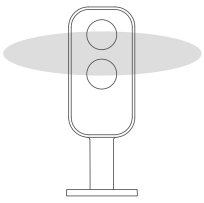
SCALED, ADJUSTABLE
BRACKET

SIRI 1

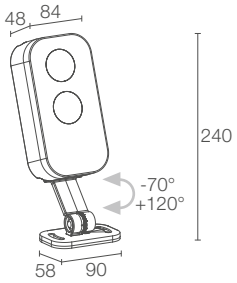




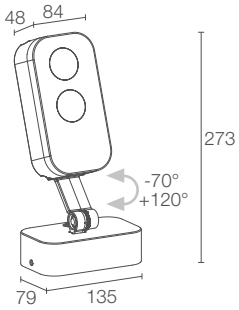
SIRI 1.0



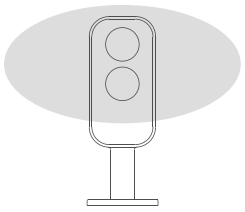
10°x45° optics



SIRI 1.1



	kg 1.03 IP66 IK07 A A+ A++ IPS PID	kg 1.38 IP66 IK07 A A+ A++ IPS PID
POWER / POWER SUPPLY **CODE**	9W 230Vac **SR1010** **E** - White **SR1010** **F** - Grey **SR1010** **H** - Anthracite **SR1010** **T** - Cor-ten	9W 230Vac **SR1110** **E** White **SR1110** **F** Grey **SR1110** **H** Anthracite **SR1110** **T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**V** - 6° **S** - 12° **M** - 30° **L** - 40° **W** - 10°x45°	**V** - 6° **S** - 12° **M** - 30° **L** - 40° **W** - 10°x45°
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
LUMEN OUTPUT AT SOURCE	603 lm (3000K)	603 lm (3000K)
DELIVERED LUMEN OUTPUT	422 lm (3000K, 30°)	422 lm (3000K, 30°)
NO. AND TYPE OF LED	2 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)	2 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in	built in
MOUNTING	surface mounted (ceiling, wall, ground, spike)	surface mounted (ceiling, wall, ground)
ACCESSORIES	see p. 212	see p. 212
PHOTOMETRIC DATA	see p. 808	see p. 808



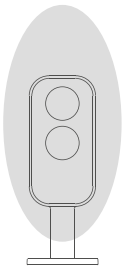
30°x60° optics



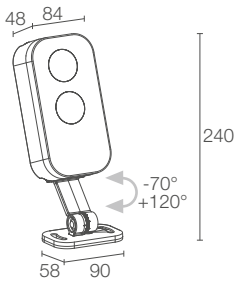
SIRI 1.2

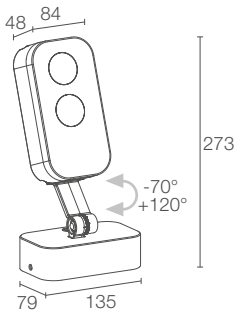


SIRI 1.3



60°x30° optics





kg 0.78 IP66 IK07

A A+ A++ IPS

POWER / POWER SUPPLY	11W 24Vdc
CODE	**SR1200 7 E** White **SR1200 7 F** Grey **SR1200 7 H** Anthracite **SR1200 7 T** Cor-ten
OPTICS	**S** - 21° **M** - 32° **L** - 58° **W** - 30°x60° **X** - 60°x30°
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	536 lm, R: 83 lm G: 150 lm B: 60 lm W: 243 lm (4000K)
DELIVERED LUMEN OUTPUT	379 lm, R: 59 lm G: 105 lm B: 42 lm W: 173 lm (4000K, 32°)
NO. AND TYPE OF LED	2 RGBW LED groups 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 212
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike)
ACCESSORIES	see p. 212
PHOTOMETRIC DATA	see p. 808

kg 1.13 IP66 IK07

A A+ A++ IPS

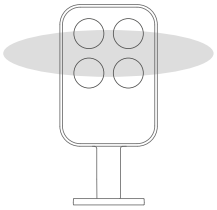
	11W 24Vdc
	SR1300 7 E White **SR1300 7 F** Grey **SR1300 7 H** Anthracite **SR1300 7 T** Cor-ten
	S - 21° **M** - 32° **L** - 58° **W** - 30°x60° **X** - 60°x30°
	RGBW
	536 lm, R: 83 lm G: 150 lm B: 60 lm W: 243 lm (4000K)
	379 lm, R: 59 lm G: 105 lm B: 42 lm W: 173 lm (4000K, 32°)
	2 RGBW LED groups 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 212
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground)
	see p. 212
	see p. 808

SIRI 2

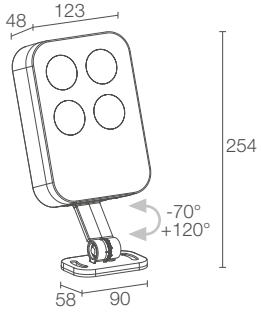




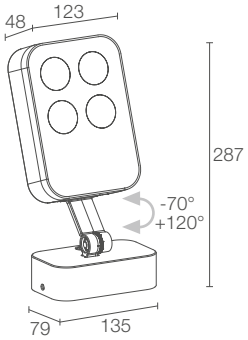
SIRI 2.0



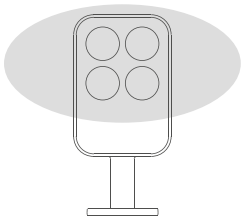
10°x45° optics



SIRI 2.1



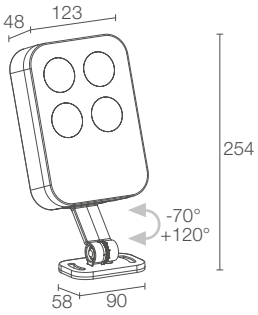
	SIRI 2.0	SIRI 2.1
	CE LED TECH kg 1.41 IP66 IK06 A A+ A++ IPS PID	CE LED TECH kg 1.95 IP66 IK06 A A+ A++ IPS PID
POWER / POWER SUPPLY **CODE**	16W 230Vac **SR2010** **E** - White **SR2010** **F** - Grey **SR2010** **H** - Anthracite **SR2010** **T** - Cor-ten	16W 230Vac **SR2110** **E** White **SR2110** **F** Grey **SR2110** **H** Anthracite **SR2110** **T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**V** - 6° **S** - 12° **M** - 30° **L** - 40° **W** - 10°x45°	**V** - 6° **S** - 12° **M** - 30° **L** - 40° **W** - 10°x45°
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
LUMEN OUTPUT AT SOURCE	1311 lm (3000K)	1311 lm (3000K)
DELIVERED LUMEN OUTPUT	925 lm (3000K, 30°)	925 lm (3000K, 30°)
NO. AND TYPE OF LED	4 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)	4 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in	built in
MOUNTING	surface mounted (ceiling, wall, ground, spike)	surface mounted (ceiling, wall, ground)
ACCESSORIES	see p. 212	see p. 212
PHOTOMETRIC DATA	see p. 809	see p. 809



30°x60° optics

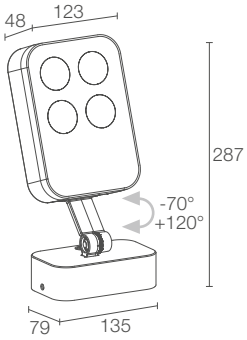


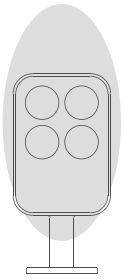
SIRI 2.2





SIRI 2.3





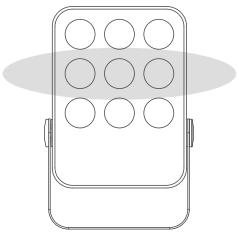
60°x30° optics

	SIRI 2.2	SIRI 2.3
	kg 1.42 IP66 IK06 A A+ A++ IPS	kg 1.91 IP66 IK06 A A+ A++ IPS
POWER / POWER SUPPLY **CODE**	20W 24Vdc **SR2200 7 E** White **SR2200 7 F** Grey **SR2200 7 H** Anthracite **SR2200 7 T** Cor-ten	20W 24Vdc **SR2300 7 E** White **SR2300 7 F** Grey **SR2300 7 H** Anthracite **SR2300 7 T** Cor-ten
OPTICS	**S** - 21° **M** - 32° **L** - 58° **W** - 30°x60° **X** - 60°x30°	**S** - 21° **M** - 32° **L** - 58° **W** - 30°x60° **X** - 60°x30°
LED COLOUR	RGBW	RGBW
LUMEN OUTPUT AT SOURCE	1059 lm, R: 165 lm G: 293 lm B: 118 lm W: 483 lm (4000K)	1059 lm, R: 165 lm G: 293 lm B: 118 lm W: 483 lm (4000K)
DELIVERED LUMEN OUTPUT	756 lm, R: 118 lm G: 209 lm B: 84 lm W: 345 lm (4000K, 32°)	756 lm, R: 118 lm G: 209 lm B: 84 lm W: 345 lm (4000K, 32°)
NO. AND TYPE OF LED	4 RGBW LED groups 50000h L90 B10 (Ta 25°C)	4 RGBW LED groups 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 212	not included, see p. 212
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike)	surface mounted (ceiling, wall, ground)
ACCESSORIES	see p. 212	see p. 212
PHOTOMETRIC DATA	see p. 809	see p. 809

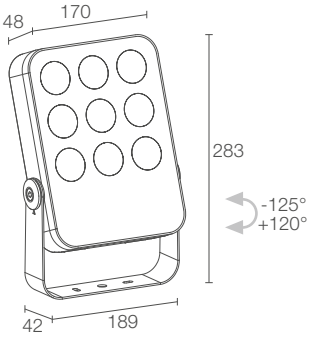
SIRI 3



SIRI 3.0



10°x45° optics

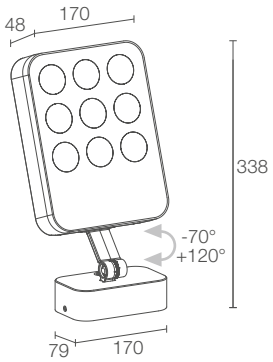


CE LED TECH kg 2.24 IP66 IK06
A A+ A++ IPS PID NTC

POWER / POWER SUPPLY	23W 230Vac
CODE	**SR3010** ■ ■ **E** - ■ White **SR3010** ■ ■ **F** - ■ Grey **SR3010** ■ ■ **H** - ■ Anthracite **SR3010** ■ ■ **T** - ■ Cor-ten 23W 230Vac 1-10V **SR3010** ■ ■ **ER** - ■ White **SR3010** ■ ■ **FR** - ■ Grey **SR3010** ■ ■ **HR** - ■ Anthracite **SR3010** ■ ■ **TR** - ■ Cor-ten
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
■ **OPTICS**	**V** - 6° **S** - 12° **M** - 30° **L** - 40° **W** - 10°x45°
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	2214 lm (3000K)
DELIVERED LUMEN OUTPUT	1491 lm (3000K, 30°)
NO. AND TYPE OF LED	9 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling, wall, ground, spike)
ACCESSORIES	see p. 212
PHOTOMETRIC DATA	see p. 810

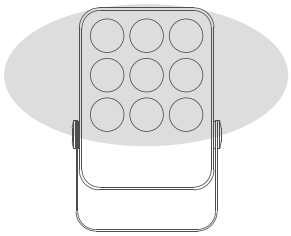


SIRI 3.1



CE LED TECH kg 2.45 IP66 IK06
A A+ A++ IPS PID NTC

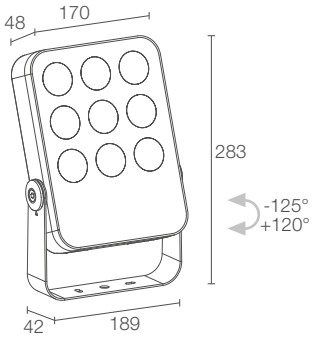
	23W 230Vac
	SR3110 ■ ■ **E** White **SR3110** ■ ■ **F** Grey **SR3110** ■ ■ **H** Anthracite **SR3110** ■ ■ **T** Cor-ten 23W 230Vac 1-10V **SR3110** ■ ■ **ER** White **SR3110** ■ ■ **FR** Grey **SR3110** ■ ■ **HR** Anthracite **SR3110** ■ ■ **TR** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
■	**V** - 6° **S** - 12° **M** - 30° **L** - 40° **W** - 10°x45°
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
	2214 lm (3000K)
	1491 lm (3000K, 30°)
	9 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	surface mounted (ceiling, wall, ground)
	see p. 212
	see p. 810



30°x60° optics

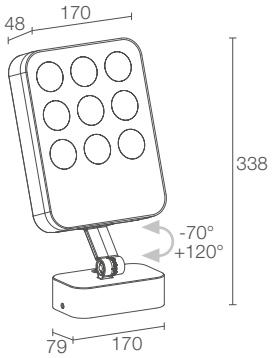


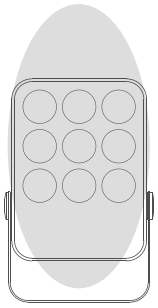
SIRI 3.2





SIRI 3.3





60°x30° optics

kg 2.06 IP66 IK06

A A+ A++ IPS

kg 2.40 IP66 IK06

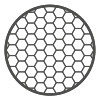
A A+ A++ IPS

POWER / POWER SUPPLY	33W 24Vdc	
CODE	**SR3200 7 E**	White
	SR3200 7 F	Grey
	SR3200 7 H	Anthracite
	SR3200 7 T	Cor-ten
OPTICS	**S** - 21° **M** - 32° **L** - 58° **W** - 30°x60° **X** - 60°x30°	
LED COLOUR	RGBW	
LUMEN OUTPUT AT SOURCE	2148 lm, R: 336 lm G: 594 lm B: 238 lm W: 980 lm (4000K)	
DELIVERED LUMEN OUTPUT	1532 lm, R: 240 lm G: 423 lm B: 170 lm W: 699 lm (4000K, 32°)	
NO. AND TYPE OF LED	9 RGBW LED groups 50000h L90 B10 (Ta 25°C)	
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	
POWER SUPPLY UNIT	not included, see p. 212	
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm	
MOUNTING	surface mounted (ceiling, wall, ground, spike)	
ACCESSORIES	see p. 212	
PHOTOMETRIC DATA	see p. 810	

	33W 24Vdc	
	SR3300 7 E	White
	SR3300 7 F	Grey
	SR3300 7 H	Anthracite
	SR3300 7 T	Cor-ten
	S - 21° **M** - 32° **L** - 58° **W** - 30°x60° **X** - 60°x30°	
	RGBW	
	2148 lm, R: 336 lm G: 594 lm B: 238 lm W: 980 lm (4000K)	
	1532 lm, R: 240 lm G: 423 lm B: 170 lm W: 699 lm (4000K, 32°)	
	9 RGBW LED groups 50000h L90 B10 (Ta 25°C)	
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	
	not included, see p. 212	
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm	
	surface mounted (ceiling, wall, ground)	
	none	
	see p. 810	

SIRI

ACCESSORIES AND POWER SUPPLY UNITS

	SIRI 1.0	SIRI 1.1	SIRI 1.2	SIRI 1.3	SIRI 2.0	SIRI 2.1	SIRI 2.2	SIRI 2.3	SIRI 3.0	SIRI 3.1	SIRI 3.2
ANTI-GLARE ACCESSORIES											
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture the honeycomb louvre can be fitted on all optics, except for the 6° optics	**WH5010**	**WH5010**			**WH5020**	**WH5020**			**WH5030**	**WH5030**	
 Anti-glare hood the anti-glare hood is available on request in the same finish as the lighting fixture	**WB5010H** Anthracite 89x90 mm h 173 mm	**WB5010H** Anthracite 89x90 mm h 173 mm	**WB5010H** Anthracite 89x90 mm h 173 mm	**WB5010H** Anthracite 89x90 mm h 173 mm	**WB5020H** Anthracite 127x90 mm h 187 mm	**WB5020H** Anthracite 127x90 mm h 187 mm	**WB5020H** Anthracite 127x90 mm h 187 mm	**WB5020H** Anthracite 127x90 mm h 187 mm	**WB5030H** Anthracite 174x101 mm h 190 mm		**WB5030H** Anthracite 174x101 mm h 190 mm
ACCESSORIES FOR INSTALLATION											
 Spike for in-ground installation	**WP0300**		**WP0300**		**WP0300**		**WP0300**		**WP0300**		**WP0300**

POWER CABLES Siri 1.0 / 2.0 / 3.0

the choice of power cable is included in the configuration of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 3x1.00 Ø7.0 mm IPS

POWER SUPPLY UNITS Siri 1.2 / 1.3 / 2.2 / 2.3 / 3.2 / 3.3

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860

SIRI 3.0 >
3000K, 23W, 30°, white

Project by / Corinne Vezzoni & Associés
Light planning by / 8'18"
thecamp, Aix-en-Provence, France





SPOT

PROJECTORS FOR OUTDOOR APPLICATIONS



CONSTANT CURRENT

2700K 3000K 4000K 5000K blue



SPOT 1.0 p. 217
max 2W max 500mA

CONSTANT VOLTAGE

2700K 3000K 4000K 5000K blue



SPOT 1.6 p. 217
2W 24Vdc

MAINS VOLTAGE

3000K 4000K



SPOT 2.4 p. 218
8W 230Vac



SPOT 3.4 p. 219
15W 230Vac

< SPOT 1.0
3000K, 2W, 10°



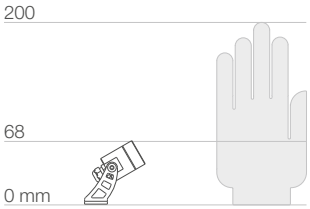
< SPOT 1.6
3000K, 2W, 20°

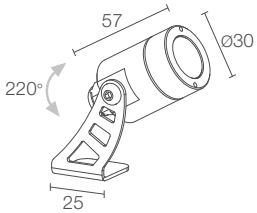
Light planning by / MI10studio
Photo by / Germano Borrelli
Il Vittoriale degli Italiani
Gardone Riviera, Brescia, Italy

SPOT 1



SPOT 1.0



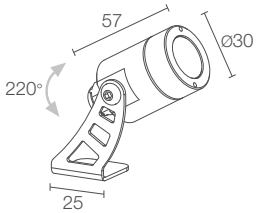


kg 0.40 IP68 IK10

A A+ A++ IPS

POWER / POWER SUPPLY **CODE**	**max 2W max 500mA** **CF1012 ■ ■ A I - ■**
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 10° **V** - 19° sharp **M** - 20° **L** - 40° **T** - 54° sharp
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	88 lm (3000K, 500mA, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent glass
POWER SUPPLY UNIT	not included, see p. 221 and 844
WIRING	**series**
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 220
NOTES	not suitable for use in swimming pools or fountains underwater version: Spot 1.0 316L, p. 702 version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 818

SPOT 1.6



kg 0.40 IP68 IK10

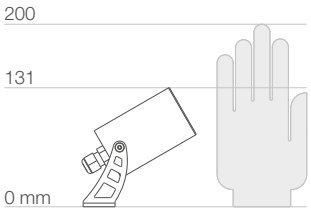
A A+ A++ IPS

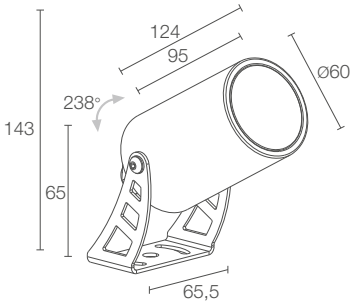
	2W 24Vdc **CF1600 ■ ■ I - ■**
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	**S** - 10° **V** - 19° sharp **M** - 20° **L** - 40° **T** - 54° sharp
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	145 lm (3000K)
	88 lm (3000K, 20°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent glass
	not included, see p. 221
	parallel
	surface mounted (ceiling, wall, ground, spike, strap)
	see p. 220
	not suitable for use in swimming pools or fountains underwater version: Spot 1.6 316L, p. 702 version with elliptical optics available on request
	see p. 818

SPOT 2



SPOT 2.4





kg 0.70 IP66 IK07

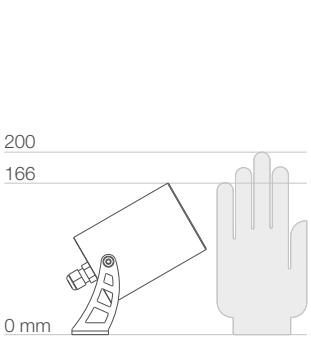
A A+ A++ IPS PID

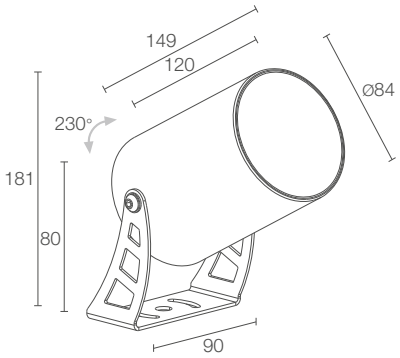
POWER / POWER SUPPLY CODE	8W 230Vac **CF24100000 0 E** White **CF24100000 0 H** Anthracite
LED COLOUR	**5** - 3000K **9** - 4000K
OPTICS	**S** - 20° **M** - 34° **L** - 60°
LUMEN OUTPUT AT SOURCE	781 lm (3000K)
DELIVERED LUMEN OUTPUT	515 lm (3000K, 34°)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam 50000h L85 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium bracket in aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 220
PHOTOMETRIC DATA	see p. 818

SPOT 3



SPOT 3.4





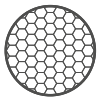
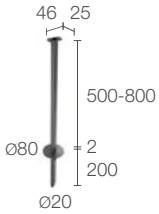
kg 1.20 IP66 IK09

A A+ A++ IPS

POWER / POWER SUPPLY CODE	15W 230Vac **CF34100000 0 E** White **CF34100000 0 H** Anthracite
LED COLOUR	**5** - 3000K **9** - 4000K
OPTICS	**S** - 15° **M** - 39° **L** - 55°
LUMEN OUTPUT AT SOURCE	1476 lm (3000K)
DELIVERED LUMEN OUTPUT	1042 lm (3000K, 39°)
NO. AND TYPE OF LED	1 COB LED 3-step MacAdam 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium bracket in aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 220
PHOTOMETRIC DATA	see p. 819

SPOT

ACCESSORIES AND POWER SUPPLY UNITS

	SPOT 1.0	SPOT 1.6	SPOT 2.4	SPOT 3.4
ANTI-GLARE ACCESSORIES				
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture the honeycomb louvre can be fitted on all optics, except for the 19° sharp and 54° sharp optics	**WH0101**	**WH0101**		
 Standard snoot	**WB0320I** Stainless steel Ø33x25 mm	**WB0320I** Stainless steel Ø33x25 mm	**WB1001E** White **WB1001H** Anthracite Ø64.5x70 mm	**WB8010E** White **WB8010H** Anthracite Ø90x85 mm
 Asymmetrical snoot	**WB0321I** Stainless steel Ø33x31.5 mm	**WB0321I** Stainless steel Ø33x31.5 mm	**WB1002E** White **WB1002H** Anthracite Ø64.5x90 mm	**WB8020E** White **WB8020H** Anthracite Ø85x92 mm
ACCESSORIES FOR INSTALLATION				
 Spike for in-ground installation	**WP0100**	**WP0100**	**WP0100**	**WP0100**
 Spike for in-ground installation			h 500 mm **WP1006E** White **WP1006H** Anthracite h 800 mm **WP1007E** White **WP1007H** Anthracite	h 500 mm **WP1006E** White **WP1006H** Anthracite h 800 mm **WP1007E** White **WP1007H** Anthracite
 Fastener strap - 5 m	**WP1004**	**WP1004**	**WP1004**	**WP1004**

POWER CABLES Spot 1.0 / 1.6

the choice of power cable is included in the configuration
of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

POWER SUPPLY UNITS Spot 1.0

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

POWER SUPPLY UNITS Spot 1.6

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

v
SPOT 2.4
20°



v
SPOT 2.4
34°



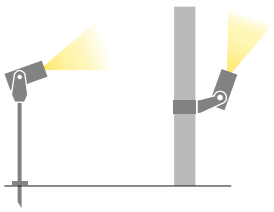
v
SPOT 2.4
60°





FLORI

OUTDOOR PROJECTORS
ACCENT LIGHTING FOR GARDENS



WITHOUT BASE
FOR CONNECTIONS



WITH BASE
FOR CONNECTIONS

2700K 3000K 4000K

ultra-narrow | narrow | medium | wide | elliptical



FLORI 1.0 p. 224
7W 230Vac



FLORI 1.1 p. 225
7W 230Vac

RGBW

narrow | medium | wide | elliptical



FLORI 1.2 p. 226
13W 24Vdc



FLORI 1.3 p. 227
13W 24Vdc

< FLORI 1.0
3000K, 7W, 15°, cor-ten, with spike

FLORI

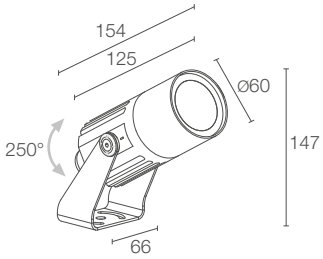


FLORI 1.0

v
FLORI 1.0
2700K, 7W, 15°, anthracite

Project by / SHoP ARCHITECTS
Light planning by / PHT Lighting Design
Photo © Matteo Cirenei
Wave/Cave by SHoP ARCHITECTS
Fuorisalone Milano 2017, Milan, Italy
Courtesy of / INTERNI magazine





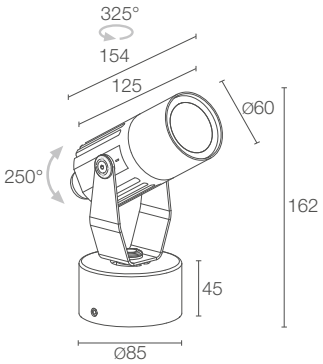
kg 0.80 IP66 IK07

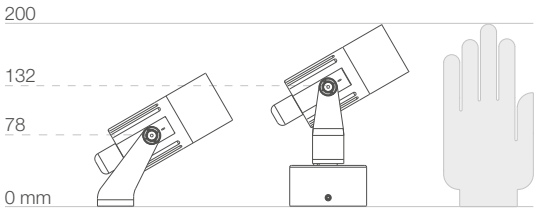
A A+ A++ IPS PID

POWER / POWER SUPPLY CODE	7W 230Vac **FS1010 E -** White **FS1010 F -** Grey **FS1010 H -** Anthracite **FS1010 T -** Cor-ten
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**V** - 9° **S** - 15° **M** - 31° **L** - 36° **W** - 10°x45° **X** - 45°x10°
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m
LUMEN OUTPUT AT SOURCE	657 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	366 lm (3000K, 31°, CRI 80)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 228
NOTES	version with 24Vdc power supply available on request
PHOTOMETRIC DATA	see p. 763



FLORI 1.1

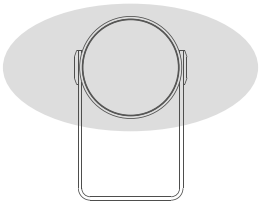




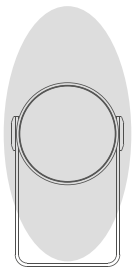
kg 1.10 IP66 IK07

A A+ A++ IPS PID

	7W 230Vac **FS1110** **E** - White **FS1110** **F** - Grey **FS1110** **H** - Anthracite **FS1110** **T** - Cor-ten
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	V - 9° **S** - 15° **M** - 31° **L** - 36° **W** - 10°x45° **X** - 45°x10°
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m
	657 lm (3000K, CRI 80)
	366 lm (3000K, 31°, CRI 80)
	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	surface mounted (ceiling, wall, ground)
	see p. 228
	version with 24Vdc power supply available on request
	see p. 763



10°x45° optics



45°x10° optics

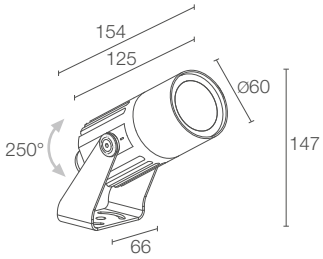
FLORI



FLORI 1.2

v
FLORI 1.3
RGBW, 13W, 60°, anthracite





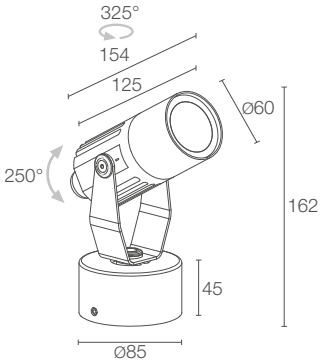
kg 0.80 IP66 IK07

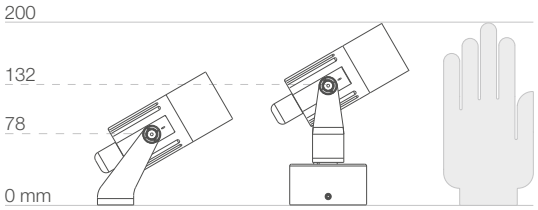
A A+ A++ IPS PID

POWER / POWER SUPPLY	13W 24Vdc
CODE	**FS1200 7 E** White **FS1200 7 F** Grey **FS1200 7 H** Anthracite **FS1200 7 T** Cor-ten
OPTICS	**S** - 24° **M** - 33° **L** - 60° **W** - 32°x61° **X** - 61°x32°
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	512 lm, R: 88 lm G: 160 lm B: 52 lm W: 212 lm (4000K)
DELIVERED LUMEN OUTPUT	304 lm, R: 52 lm G: 95 lm B: 31 lm W: 126 lm (4000K, 33°)
NO. AND TYPE OF LED	1 RGBW LED group 50000h L85 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 228
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground, spike, strap)
ACCESSORIES	see p. 228
PHOTOMETRIC DATA	see p. 763



FLORI 1.3

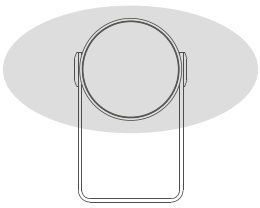




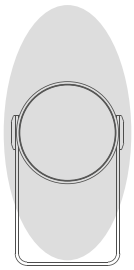
kg 1.10 IP66 IK07

A A+ A++ IPS PID

	13W 24Vdc **FS1300 7 E** White **FS1300 7 F** Grey **FS1300 7 H** Anthracite **FS1300 7 T** Cor-ten
	S - 24° **M** - 33° **L** - 60° **W** - 32°x61° **X** - 61°x32°
	RGBW
	512 lm, R: 88 lm G: 160 lm B: 52 lm W: 212 lm (4000K)
	304 lm, R: 52 lm G: 95 lm B: 31 lm W: 126 lm (4000K, 33°)
	1 RGBW LED group 50000h L85 B10 (Ta 25°C)
	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass
	not included, see p. 228
	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground)
	see p. 228
	see p. 763



32°x61° optics

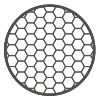


61°x32° optics

FLORI

ACCESSORIES AND POWER SUPPLY UNITS

ANTI-GLARE ACCESSORIES

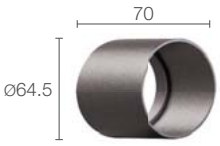


WHA0005
Flori 1.0 / 1.1
(15°, 31°, 36°, 10°x45°, 45°x10° optics)

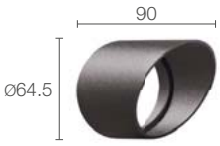
WH0203
Flori 1.0 / 1.1 (9° optics)
Flori 1.2 / 1.3

Honeycomb louvre
built into the lighting fixture

order together with
the lighting fixture



WB1001E - White
WB1001F - Grey
WB1001H - Anthracite
WB1001T - Cor-ten
Standard snoot



WB1002E - White
WB1002F - Grey
WB1002H - Anthracite
WB1002T - Cor-ten
Asymmetrical snoot

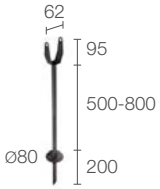


WB1003N - Black
Barn doors

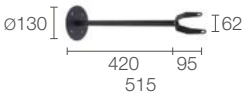
ACCESSORIES FOR INSTALLATION Flori 1.0 / 1.2



WP0100
Spike for
in-ground installation



h 500 mm
WP1001E - White
WP1001F - Grey
WP1001H - Anthracite
WP1001T - Cor-ten
h 800 mm
WP1002E - White
WP1002F - Grey
WP1002H - Anthracite
WP1002T - Cor-ten
Spike with bracket for
in-ground installation



h 420 mm
WP1003E - White
WP1003F - Grey
WP1003H - Anthracite
WP1003T - Cor-ten
Arm with bracket for
wall-mounted installation



WP1004
Fastener
strap - 5 m

POWER CABLES Flori 1.0 / 1.1

the choice of power cable is included in the configuration
of the code for the lighting fixture

-1 length 5 m

Neoprene cable
H05RN-F 3x1.00 Ø7.0 mm IPS

POWER SUPPLY UNITS Flori 1.2 / 1.3

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860

Flori mounted on spike with bracket
for in-ground installation



FLORI 1.0 >
3000K, 7W, 45°x10°, anthracite, with spike
NEVA 5.2
RGB, 50W, 24°x46°, with brackets

Project by / iarchitects
Gotha Cosmetics Headquarters, Bergamo, Italy





KLEO

OUTDOOR PROJECTORS
ARCHITECTURAL LIGHTING FOR FACADES AND OPEN SPACES



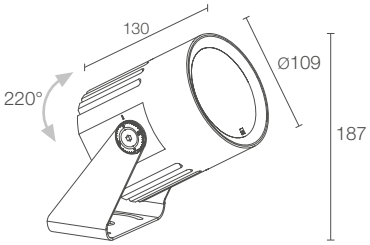
	10W 230Vac	20W 230Vac
WITHOUT BASE FOR CONNECTIONS		
	**KLEO 1.0** p. 232	**KLEO 2.0** p. 233
WITH BASE FOR CONNECTIONS		
	**KLEO 1.1** p. 232	**KLEO 2.1** p. 233

< KLEO 1.0
2700K, 10W, 16°, cor-ten

KLEO



KLEO 1.0

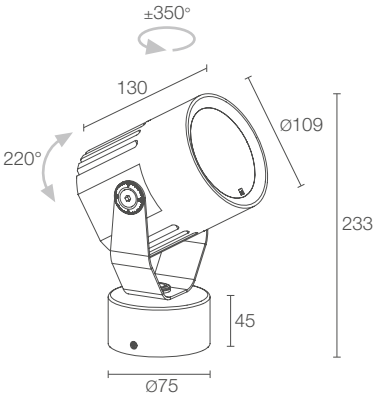


kg 2.25 IP66 IK07

A A+ A++ IPS SPD



KLEO 1.1



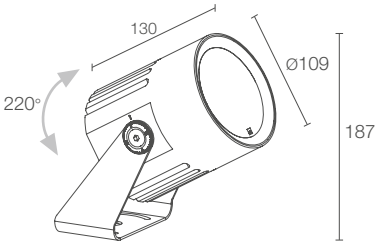
kg 2.60 IP66 IK07

A A+ A++ IPS SPD

POWER / POWER SUPPLY **CODE**	**10W 230Vac** **KL1010 E -** White **KL1010 F -** Grey **KL1010 H -** Anthracite **KL1010 T -** Cor-ten	**10W 230Vac** **KL1110 E -** White **KL1110 F -** Grey **KL1110 H -** Anthracite **KL1110 T -** Cor-ten
CRI	**0** - CRI 80 **1** - CRI >90	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**V** - 16° sharp **S** - 16° **M** - 30° **L** - 63°	**V** - 16° sharp **S** - 16° **M** - 30° **L** - 63°
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m
LUMEN OUTPUT AT SOURCE	945 lm (3000K, CRI 80)	945 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	640 lm (3000K, 30°, CRI 80)	640 lm (3000K, 30°, CRI 80)
NO. AND TYPE OF LED	1 COB LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	1 COB LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in	built in
MOUNTING	surface mounted (ceiling, wall, ground, spike)	surface mounted (ceiling, wall, ground)
ACCESSORIES	see p. 234	see p. 234
PHOTOMETRIC DATA	see p. 774	see p. 774



KLEO 2.0



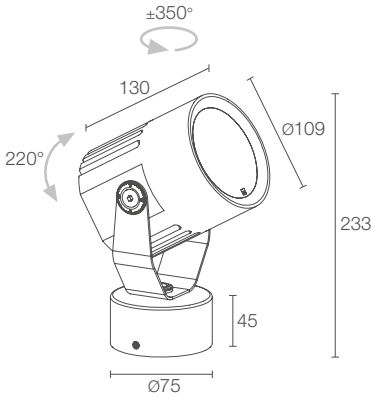
kg 2.21 IP66 IK07

A A+ A++ IPS SPD

POWER / POWER SUPPLY CODE	**20W 230Vac** **KL2010 E -** White **KL2010 F -** Grey **KL2010 H -** Anthracite **KL2010 T -** Cor-ten
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**V** - 16° sharp **S** - 22° **M** - 38° **L** - 64°
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m
LUMEN OUTPUT AT SOURCE	2280 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	1308 lm (3000K, 38°, CRI 80)
NO. AND TYPE OF LED	1 COB LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling, wall, ground, spike)
ACCESSORIES	see p. 234
PHOTOMETRIC DATA	see p. 774



KLEO 2.1



kg 2.60 IP66 IK07

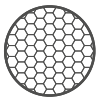
A A+ A++ IPS SPD

20W 230Vac **KL2110 E -** White **KL2110 F -** Grey **KL2110 H -** Anthracite **KL2110 T -** Cor-ten	
0 - CRI 80 **1** - CRI >90	
F - 2700K **5** - 3000K **9** - 4000K	
V - 16° sharp **S** - 22° **M** - 38° **L** - 64°	
includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm **1** - 5 m	
2280 lm (3000K, CRI 80)	
1308 lm (3000K, 38°, CRI 80)	
1 COB LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	
body in aluminium screen in serigraphed, tempered, transparent extra-clear glass	
built in	
surface mounted (ceiling, wall, ground)	
see p. 234	
see p. 774	

KLEO

ACCESSORIES

ANTI-GLARE ACCESSORIES

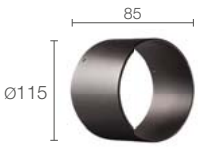


WH0505

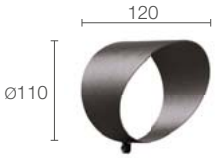
Honeycomb louvre
built into the lighting fixture

order together with
the lighting fixture

the honeycomb louvre
can be fitted on all optics
except for the 16° sharp optics



WB1101E - White
WB1101F - Grey
WB1101H - Anthracite
WB1101T - Cor-ten
Standard snoot



WB1102E - White
WB1102F - Grey
WB1102H - Anthracite
WB1102T - Cor-ten
Asymmetrical snoot



WB1103N - Black
Barn doors

ACCESSORIES FOR INSTALLATION



WP0300

Spike for
in-ground installation

(Kleo 1.0 / 2.0)

POWER CABLES

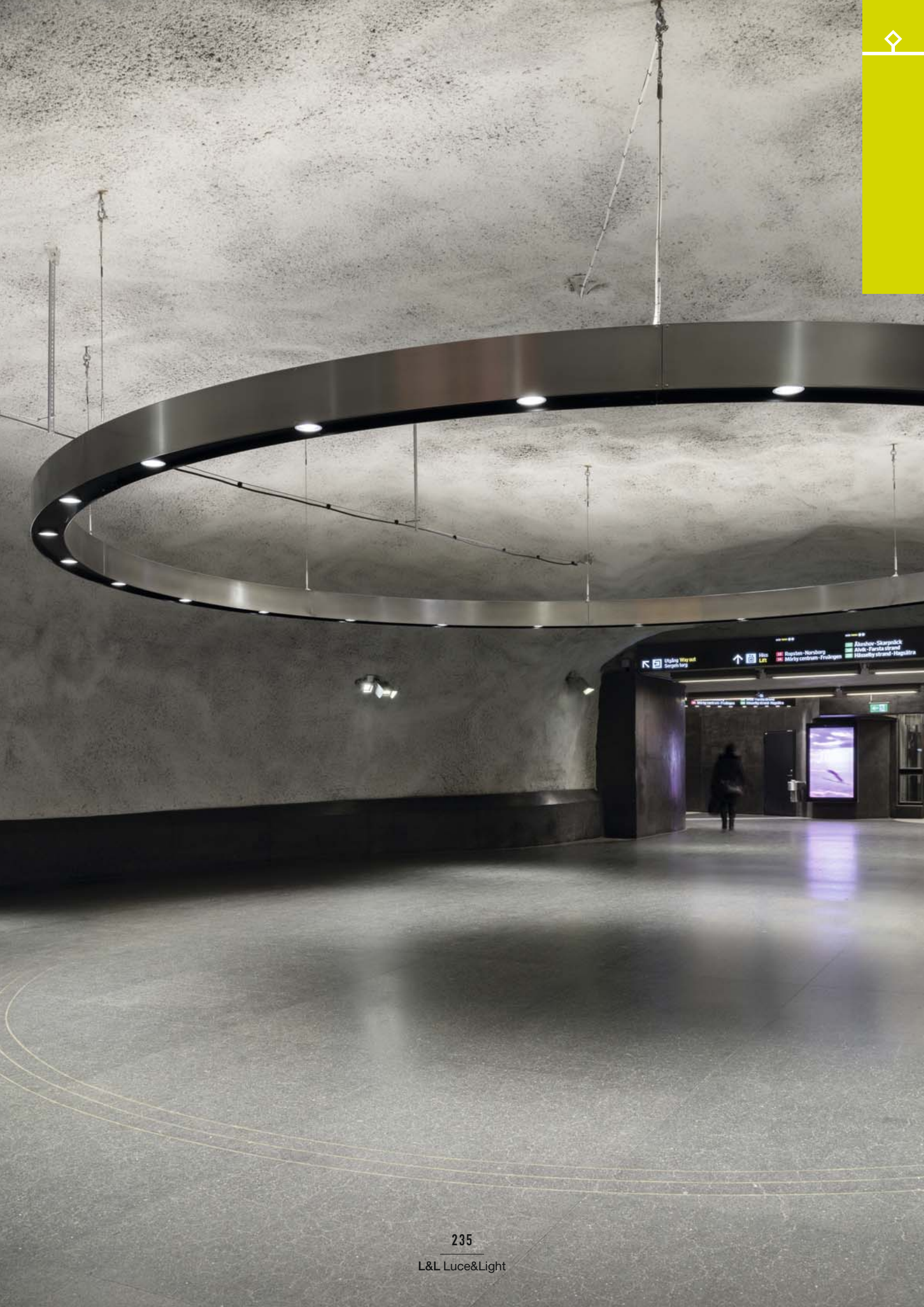
the choice of power cable is included in the configuration
of the code for the lighting fixture

-1 length 5 m

Neoprene cable
H05RN-F 3x1.00 Ø7.0 mm IPS

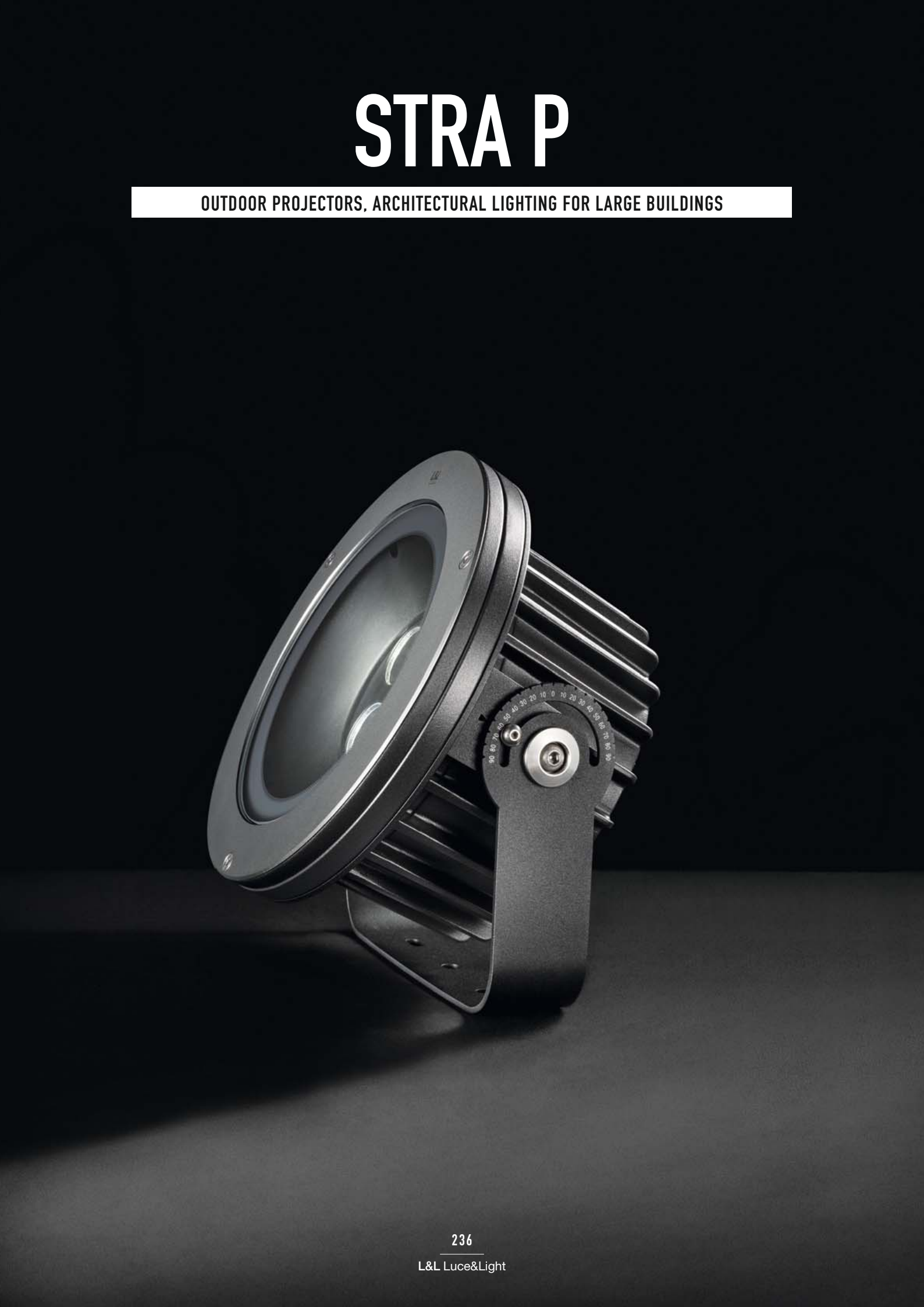
KLEO 2.0 >
4000K, 20W, 64°, anthracite

Light planning by / WSP ljusdesign
Central Metro Station, Stockholm, Sweden


Utgång Way out
Sergels torg
Hiss
Lift
Ropsten - Norsborg
Mörby centrum - Frukegen
Åkeshov - Skarpnäck
Ahlt - Farsta strand
Hässelby strand - Hagsätra

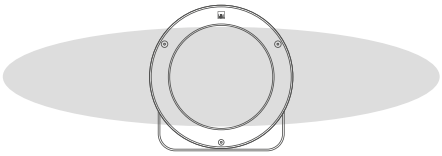
STRA P

OUTDOOR PROJECTORS, ARCHITECTURAL LIGHTING FOR LARGE BUILDINGS





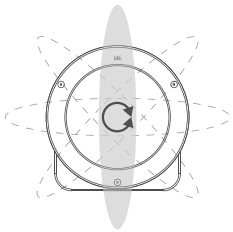
STRA P 1.0



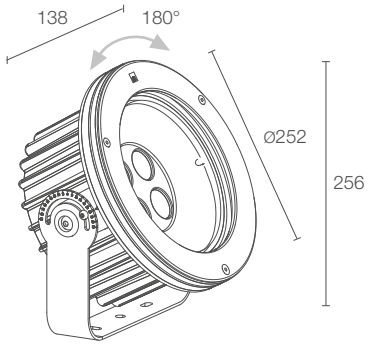
10°x45° optics

patented

elliptical optics,
adjusted manually
with magnet



Adjustable
66°x11° optics

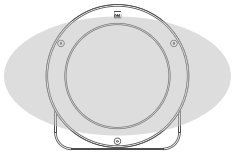


CE LED TECH kg 6.00 IP66 IK10
A A+ A++ IPS PID SPD

POWER / POWER SUPPLY **CODE**	37W 230Vac **PS1010 H** Anthracite 37W 230Vac 1-10V **PS1010 H R** Anthracite
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**V** - 11° **S** - 14° **M** - 30° **L** - 37° **W** - 10°x45° **X** - 66°x11° adjustable
LUMEN OUTPUT AT SOURCE	3402 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	2024 lm (3000K, 30°, CRI 80) 2205 lm (3000K, 66°x11°, CRI 80)
NO. AND TYPE OF LED	4 high intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
MOUNTING	surface mounted (ceiling, wall, ground)
ACCESSORIES	see p. 239
FEATURES	66°x11° optics adjustable through 360° using magnet included
NOTES	Stra 1.0 recessed version p. 106 DALI version available on request
PHOTOMETRIC DATA	see p. 827



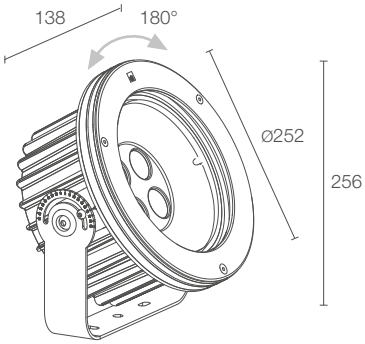
STRA P 5.0

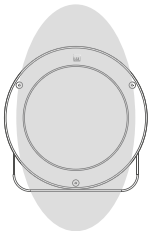


32°x61° optics

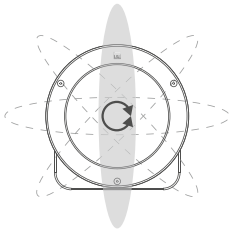
patented

elliptical optics, adjusted manually with magnet





61°x32° optics



Adjustable 66°x11° optics

kg 6.00 IP66 IK10

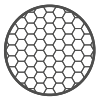
A A+ A++ IPS PID

POWER / POWER SUPPLY	39W 24Vdc
CODE	**PS5000 7 H** Anthracite
OPTICS	**S** - 24° **M** - 33° **L** - 60° **W** - 32°x61° **Z** - 61°x32° **X** - 66°x11° adjustable
LED COLOUR	RGBW
LUMEN OUTPUT AT SOURCE	2048 lm, R: 352 lm G: 640 lm B: 208 lm W: 848 lm (4000K)
DELIVERED LUMEN OUTPUT	1216 lm, R: 209 lm G: 380 lm B: 123 lm W: 504 lm (4000K, 33°)
NO. AND TYPE OF LED	4 RGBW LED groups 50000h L85 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium trim in AISI 316L stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 239
POWER CABLES	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground)
FEATURES	66°x11° optics adjustable through 360° using magnet included
NOTES	Stra 5.0 recessed version p. 109
PHOTOMETRIC DATA	see p. 827

STRA P

ACCESSORIES AND POWER SUPPLY UNITS

ANTI-GLARE ACCESSORIES



WH0610

Honeycomb louvre
built into the lighting fixture

order together with
the lighting fixture

the honeycomb louvre can be fitted on all optics except for the 66°x11° optics

ACCESSORIES FOR INSTALLATION



WN7100

Anti-fall kit

for spare parts, see p. 866

POWER SUPPLY UNITS Stra P 5.0

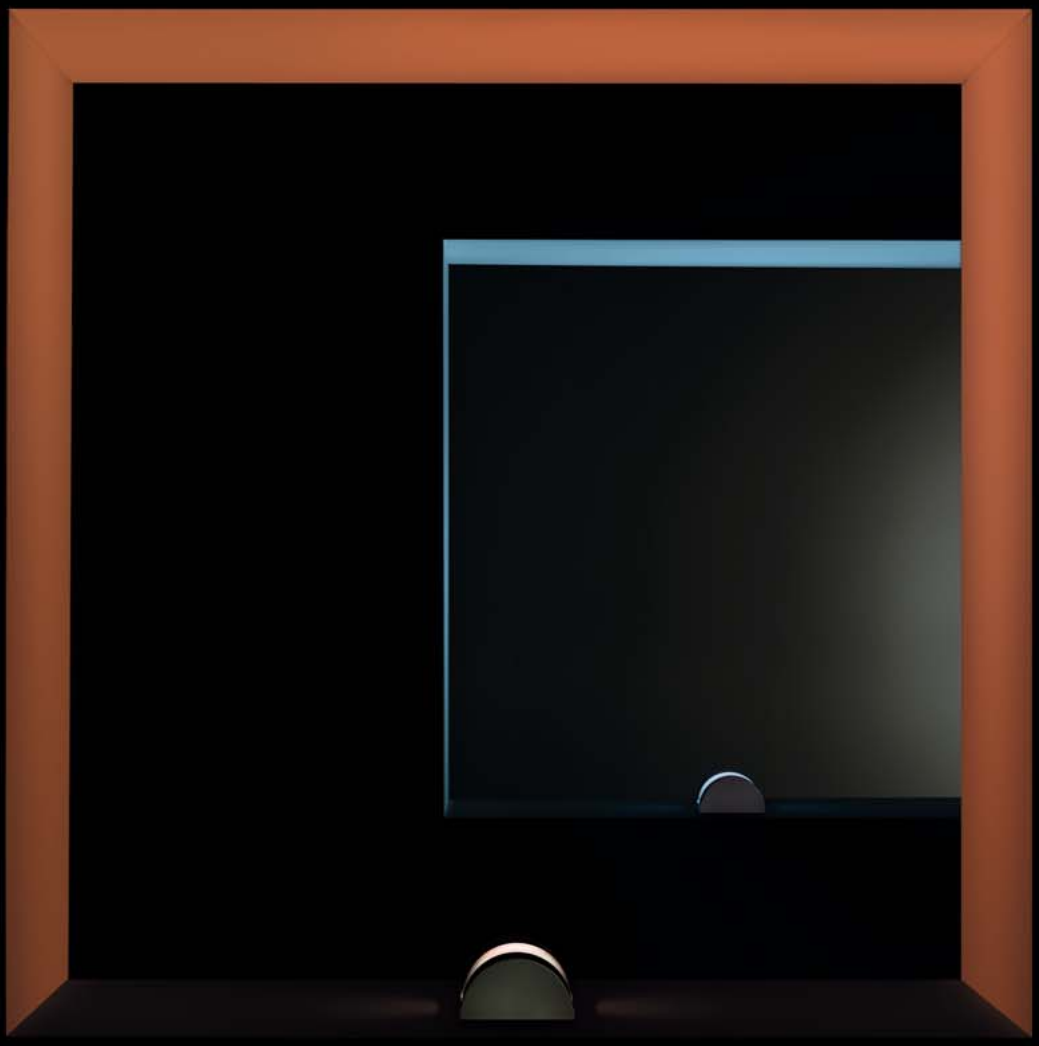
Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860

v

STRA P 1.0
2700K, 37W, 30°

Light planning and product distribution / Mise en Scène Éclairage
Project and installation / VinJay-Studio
Photo by / Lisa Ricciotti
La Villa Madie, Cassis, France



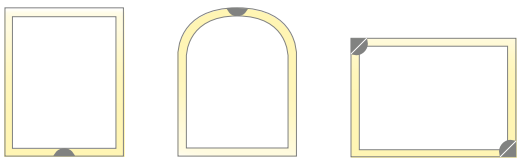


LYSS

OUTDOOR PROJECTORS
FOR HIGHLIGHTING ARCHITECTURAL ELEMENTS IN FACADES

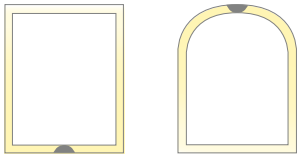
2700K 3000K 4000K blue

RGBW





LYSS MINI 1.0 p. 244
3W 24Vdc





LYSS 1.0 p. 245
5W 230Vac
9W 230Vac



LYSS 2.0 p. 245
19W 24Vdc

< **LYSS 2.0**
RGBW, 19W, white

SEMICIRCULAR
UNIFORM BLADE
OF LIGHT:
SHARP, TRANSPARENT
OPTICS, 10°x180°





SEMICIRCULAR
UNIFORM BLADE
OF LIGHT:
SOFT, FROSTED
OPTICS, 20°X180°

IP65

SUITABLE FOR
OUTDOOR INSTALLATIONS
ON FACADES
THANKS TO ITS SMALL
DIMENSIONS THAT
MAKE IT BARELY VISIBLE

BUILT-IN PROTECTION
SYSTEMS:

IPS

IPS
INTELLIGENT
PROTECTION SYSTEM
(LYSS MINI 1.0)

PID

PID
PROTECTIVE
IMPEDANCE DEVICE
(LYSS 1.0 / 2.0)

RAL FINISH
ON REQUEST

6-STEP MATERIAL PROTECTION,
AND OXIDATION AND
CORROSION RESISTANCE

Low-copper-content aluminium alloy EN AB 47100
Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with Qualicoat automotive coating standard
Salt spray tested (over 1000 hours) (Lyss 1.0 / 2.0)
Salt spray tested (over 2000 hours) (Lyss Mini 1.0)

IK06

LYSS 2.0
SCREEN MADE OF
POLYCARBONATE WITH
ANTI-UV COATING,
CHARACTERISED BY EXCELLENT
IMPACT RESISTANCE

COLORSENSE TECHNOLOGY
CHROMATICALLY
BLENDS AND SHAPES
RGBW LIGHT, PRODUCING
A 12°x160° BEAM



LYSS 2.0
BODY IN LOW-COPPER-
CONTENT DIE-CAST
ALUMINIUM ALLOY
EN AB 47100 FOR EXCELLENT
CORROSION RESISTANCE

LYSS

UNIQUE SELLING POINTS

IK07

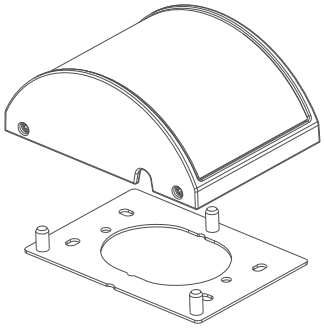
LYSS MINI 1.0
BODY IN THERMALLY
CONDUCTIVE PLASTIC,
PROVIDING GOOD HEAT
DISSIPATION AND EXCELLENT
CORROSION RESISTANCE,
EVEN IN HARSH (SALINE)
ENVIRONMENTS



IK05

LYSS 1.0
SCREEN IN
SERIGRAPHED GLASS
WITH EXCELLENT
SCRATCH RESISTANCE





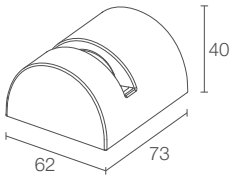
LYSS 1.0 / 2.0
PLATE ADJUSTABLE
BY 5° TO ALIGN
LIGHT BEAM WITH
INSTALLATION SURFACE

LYSS 1.0
BODY IN LOW-COPPER-
CONTENT DIE-CAST
ALUMINIUM ALLOY
EN AB 47100 FOR EXCELLENT
CORROSION RESISTANCE

BUILT-IN POWER SUPPLY UNIT



LYSS MINI 1.0



v

LYSS 1.0
3000K, 9W, clear 10°x180°, white
SIRI 2.0
3000K, 16W, 40°, white
NEVA 2.1
3000K, 16W, 45°

Project by / Amatori Architettura d'Interni
Architecture by / arch. Gino Valle
Light planning by / Litek
Banca Alto Vicentino-Schio, head office, Schio, Vicenza, Italy



kg 0.18 IP65 IK07

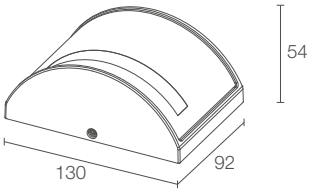
A A+ A++ IPS

POWER / POWER SUPPLY	3W 24Vdc
CODE	**LM10000 E** White **LM10000 F** Grey **LM10000 H** Anthracite **LM10000 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
OPTICS	**Z** - clear 8°x160° **Y** - satin 9°x160°
LUMEN OUTPUT AT SOURCE	246 lm (3000K)
DELIVERED LUMEN OUTPUT	67 lm (3000K, 8°x160°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic
POWER SUPPLY UNIT	not included, see p. 246
POWER CABLES	includes 1.5 m neoprene cable 05RN-F 2x0.35 Ø4.6 mm
MOUNTING	surface mounted (windowsill, arch, corner)
ACCESSORIES	see p. 246
PHOTOMETRIC DATA	see p. 786

LYSS



LYSS 1.0

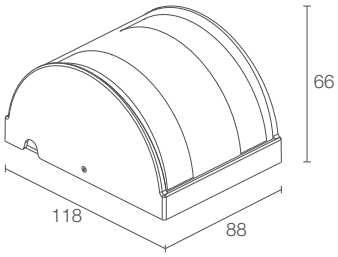


kg 0.79 IP65 IK05

A A+ A++ PID



LYSS 2.0



kg 0.70 IP65 IK06

A A+ A++ PID

5W 230Vac **LY1010** ■ ■ **E** White **LY1010** ■ ■ **F** Grey **LY1010** ■ ■ **H** Anthracite **LY1010** ■ ■ **T** Cor-ten 9W 230Vac **LY1011** ■ ■ **E** White **LY1011** ■ ■ **F** Grey **LY1011** ■ ■ **H** Anthracite **LY1011** ■ ■ **T** Cor-ten	19W 24Vdc **LY2000 7 U E** White **LY2000 7 U F** Grey **LY2000 7 U H** Anthracite **LY2000 7 U T** Cor-ten
■ **F** - 2700K **5** - 3000K **9** - 4000K **1** - blue	RGBW
■ **Z** - clear 10°x180° **Y** - satin 20°x180°	12°x160°
347 lm (3000K, 5W) 603 lm (3000K, 9W)	1024 lm, R: 124 lm G: 340 lm B: 120 lm W: 440 lm (4000K)
109 lm (3000K, 20°x180°, 5W) 189 lm (3000K, 20°x180°, 9W)	256 lm, R: 31 lm G: 85 lm B: 30 lm W: 110 lm (4000K)
2 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)	4 RGBW LED groups 50000h L85 B10 (Ta 25°C)
body in die-cast aluminium screen in serigraphed extra-clear glass	body in die-cast aluminium screen in polycarbonate
built in	not included, see p. 246
includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
surface mounted (windowsill, arch)	surface mounted (windowsill, arch)
see p. 246	see p. 246
see p. 786	see p. 786

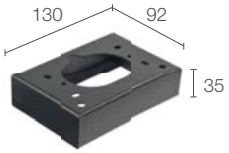
LYSS

ACCESSORIES AND POWER SUPPLY UNITS

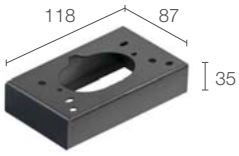
ACCESSORIES FOR INSTALLATION



WC0301
Optional outer casing
(Lyss 1.0 / 2.0)



WD0500E - White
WD0500F - Grey
WD0500H - Anthracite
WD0500T - Cor-ten
Connection housing
(Lyss 1.0)



WD0600E - White
WD0600F - Grey
WD0600H - Anthracite
WD0600T - Cor-ten
Connection housing
(Lyss 2.0)



WD0800E - White
WD0800F - Grey
WD0800H - Anthracite
WD0800T - Cor-ten
Base for corners
(Lyss Mini 1.0)

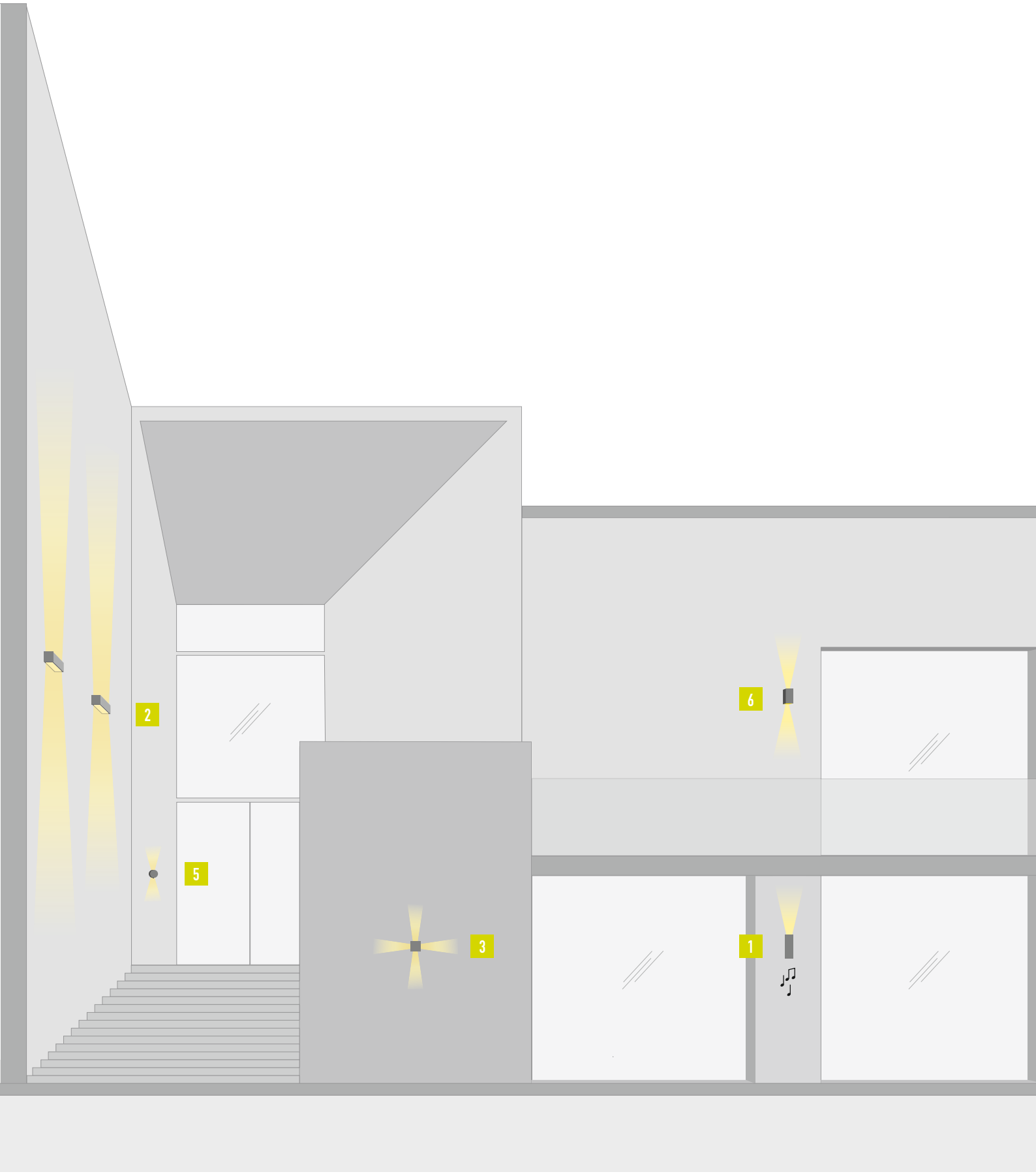
POWER SUPPLY UNITS Lyss Mini 1.0 / Lyss 2.0

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller (Lyss 2.0)	-	855 - 860

LYSS 1.0 >
3000K, 5W, clear 10°x180°, white
BRIGHT 2.5
3000K, 5W, customized version with 24° optics

Light planning by / Cristian Turra
Private residence, Iseo, Brescia, Italy

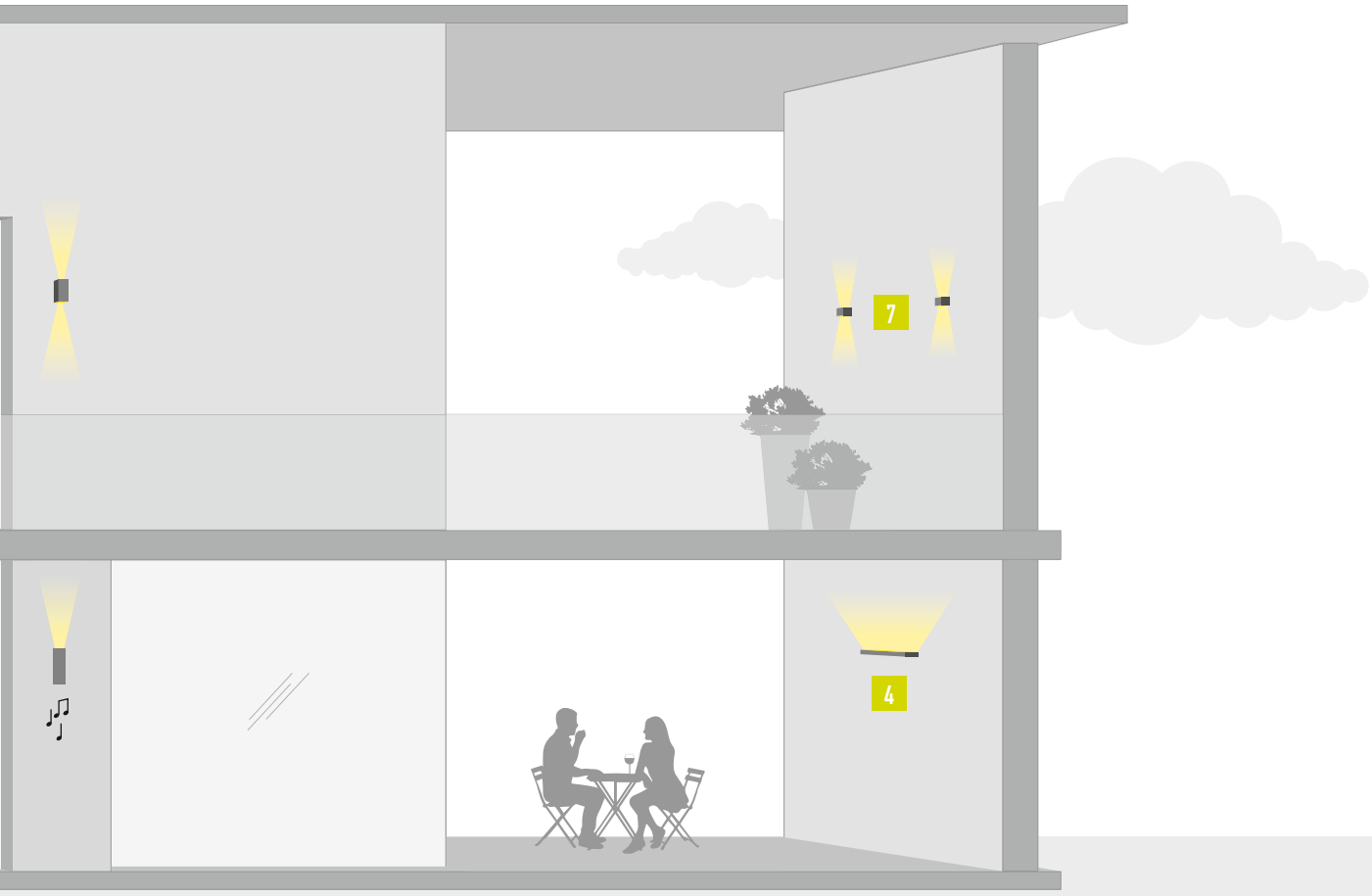




1 **INTONO** p. 252 2 **GEKO** p. 264 3 **KOCCA** p. 270 4 **ELLA OUT** p. 278

WALL MOUNTED

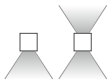
FOR OUTDOOR APPLICATIONS



5 **UPDOWN** p. 284

6 **BROM** p. 292

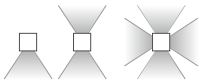
7 **CUBE W** p. 298

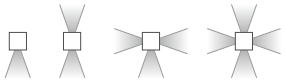
		 **INTONO** see p. 252	 **GEKO** see p. 264
BEAM	**DIFFUSE VERSION**		
	OPTICS VERSION		
LIGHT COLOUR		2700K 3000K 4000K	2700K 3000K 4000K 5000K
POWER		3–38W	10–28W
DELIVERED LUMEN OUTPUT (3000K)		146–1386 lm per beam	531–831 lm per beam
POWER SUPPLY	**CONSTANT CURRENT** power supply unit not included		
	CONSTANT VOLTAGE power supply unit not included	24Vdc	
	MAINS VOLTAGE built-in power supply unit	230Vac	230Vac
IP		IP65	IP65
APPLIANCE CLASS			
UNIQUE SELLING POINTS		version with primer version with speaker	



KOCCA

see p. 270





2700K 3000K 4000K

4–40W

119–1137 lm
per beam

230Vac

IP65





ELLA OUT

see p. 278



2700K 3000K 4000K

7–19W

493–1478 lm

230Vac

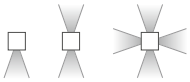
IP65





UPDOWN

see p. 284



2700K 3000K 4000K blue RGB

3–6W (RGB light)
4–8W (white/blue light)

103–239 lm
per beam

max 350mA (white/RGB light)
max 500mA (white/blue light)

24Vdc (white/blue light)

IP65





BROM

see p. 292



2700K 3000K 4000K 5000K blue

max 2–max 12W

88–251 lm
per beam

max 500mA

IP66





CUBE W

see p. 298



2700K 3000K 4000K 5000K blue RGB

max 3W (RGB light)
max 6W (white/blue light)

295–337 lm

max 350mA (RGB light)
max 500mA (white/blue light)

IP54





INTONO

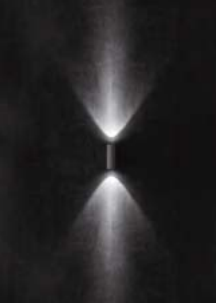
OUTDOOR WALL MOUNTED
WITH SINGLE BEAM, DOUBLE BEAM OR SPEAKER



2700K 3000K 4000K

RESIDENTIAL	HOSPITALITY	HOSPITALITY	URBAN LIGHTING
 **INTONO 1.1** p. 256 3W 24Vdc	 **INTONO 2.1** p. 259 6W 230Vac	 **INTONO 3.1** p. 260 10W 230Vac	 **INTONO 4.1** p. 262 19W 230Vac
 **INTONO 1.2** p. 256 6W 24Vdc	 **INTONO 2.2** p. 259 12W 230Vac	 **INTONO 3.2** p. 261 20W 230Vac	 **INTONO 4.2** p. 263 38W 230Vac
		 **INTONO 3.9** p. 261 9W 24Vdc	 **INTONO 4.9** p. 263 17W 24Vdc

< **INTONO 3.1**
3000K, 10W, 15°, version painted with primer



SS
15°+15°

INTONO 3.2



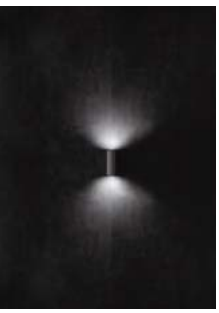
MM
20°+20°



LL
43°+43°



SL
15°+43°



WW
wall grazing + wall grazing



WA
wall grazing + asymmetrical



ZW
11° asymmetrical + wall grazing

reddot winner 2020
lighting design

2019 WINNER LIGHTING DESIGN AWARDS

IDA DESIGN AWARDS GOLD WINNER 2019

IK04

TRANSPARENT EXTRA-CLEAR GLASS WITH VITRIFIED BLACK SERIGRAPHY, UP TO 4 MM THICK, HIGH TRANSMITTANCE TO ENSURE CHROMATIC UNIFORMITY OF LIGHT AND TEMPERED FOR EXCELLENT RESISTANCE TO KNOCKS AND SCRATCHES

ON REQUEST:
RAL FINISH

BODY IN DIE-CAST LOW-COPPER-CONTENT ALUMINIUM EN AB 46100, FOR EXCELLENT RESISTENCE TO CORROSION

IP65

SUITABLE FOR OUTDOOR APPLICATIONS



INTONO

UNIQUE SELLING POINTS

GERMAN DESIGN AWARD WINNER 2021

6-STEP MATERIAL PROTECTION, AND OXIDATION AND CORROSION RESISTANCE

EN AB 46100 low-copper-content aluminium alloy
Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with Qualicoat automotive coating standard
Salt spray tested (over 1500 hours)

THE VERSION COVERED IN A NEUTRAL, BONDING PRIMER ALLOWS THE SURFACE TO BE PAINTED WITH THE SAME WALL PAINT AS THE WALL IT'S ON, FOCUSING ATTENTION ON THE LIGHT OUTPUT ALONE

COMMUNICATES WITH SMART SPEAKERS SUCH AS GOOGLE HOME OR AMAZON ECHO OVER WI-FI USING THE ZIGBEE PROTOCOL, WITH QUICK VOICE COMMANDS – AVAILABLE ON REQUEST

amazon alexa

Google Home

INTONO 3.9 / 4.9 CONTAIN A SPEAKER THAT CAN PLAY YOUR PLAYLISTS FROM SPOTIFY OR AMAZON MUSIC

music



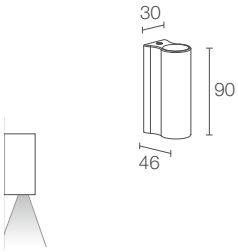
INTONO 3.1
3000K, 10W, ASYMMETRICAL OPTICS



INTONO 1



INTONO 1.1

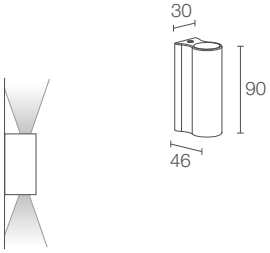


kg 0.17 IP65 IK04

A A+ A++

POWER / POWER SUPPLY	3W 24Vdc
CODE	**NT1100 00 0 E** White **NT1100 00 0 F** Grey **NT1100 00 0 H** Anthracite **NT1100 00 0 T** Cor-ten **NT1100 00 0 7** Primer
CRI	**0** - CRI 80 **1** - CRI >90
HONEYCOMB LOUVRE	**0** - not present **1** - present
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 13° **M** - 22° **L** - 33°
LUMEN OUTPUT AT SOURCE	168 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	146 lm (3000K, 22°, CRI 80)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 847
MOUNTING	surface mounted (wall)
NOTES	version compatible with Google Home or Amazon Echo available on request for voice command control
PHOTOMETRIC DATA	see p. 772

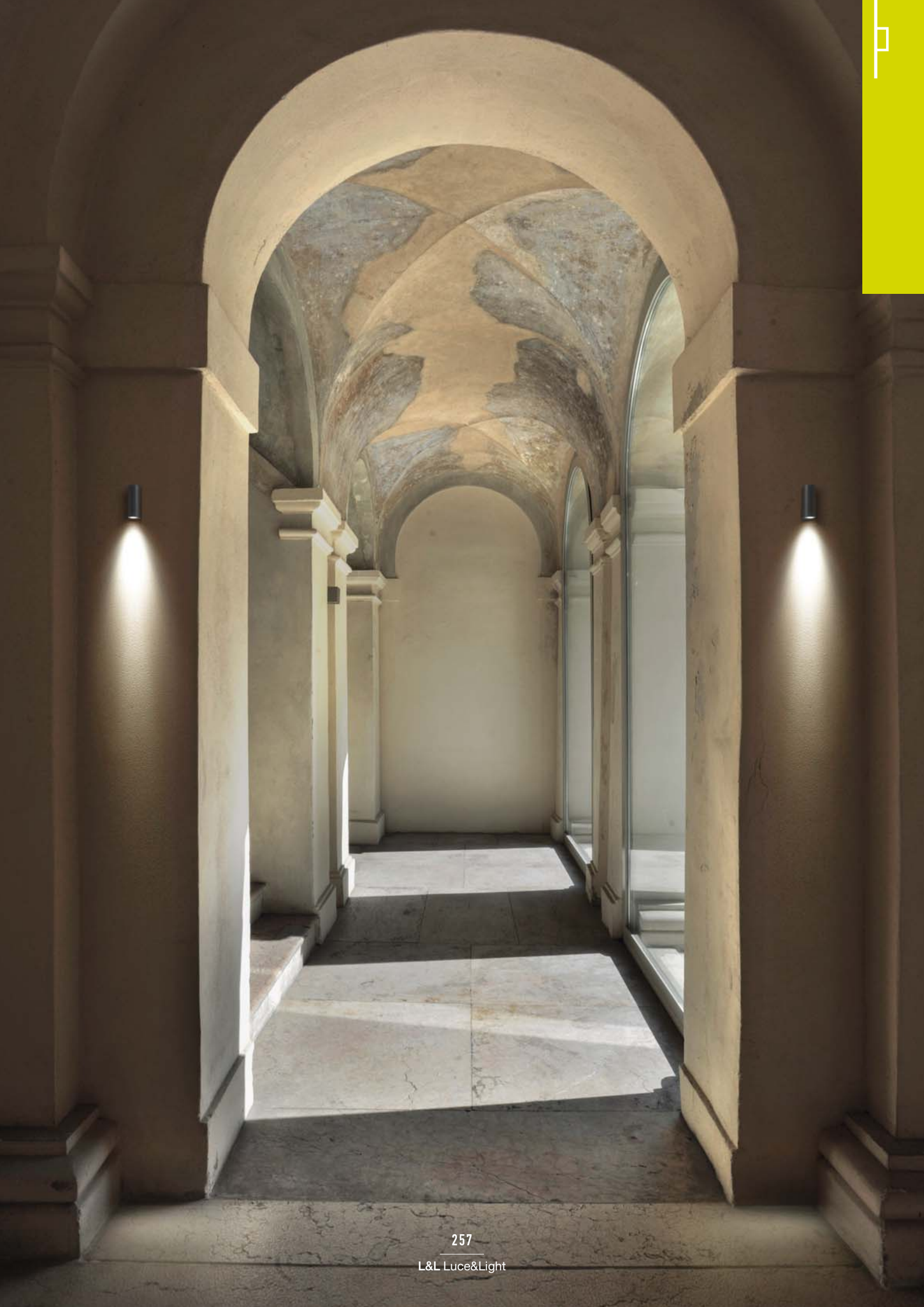
INTONO 1.2



kg 0.17 IP65 IK04

A A+ A++

	6W 24Vdc
	NT1200 00 E White **NT1200 00 F** Grey **NT1200 00 H** Anthracite **NT1200 00 T** Cor-ten **NT1200 00 7** Primer
	0 - CRI 80 **1** - CRI >90
	0 - not present **1** - present
	F - 2700K **5** - 3000K **9** - 4000K
	SS - 13°+13° **MM** - 22°+22° **LL** - 33°+33° **SL** - 13°+33°
	168 lm (3000K, CRI 80) per beam
	146 lm (3000K, 22°, CRI 80) per beam
	2 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
	not included, see p. 847
	surface mounted (wall)
	version compatible with Google Home or Amazon Echo available on request for voice command control
	see p. 772

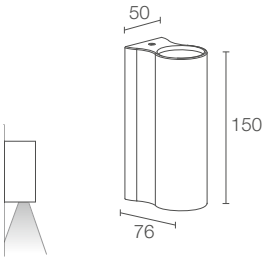




INTONO 2



INTONO 2.1

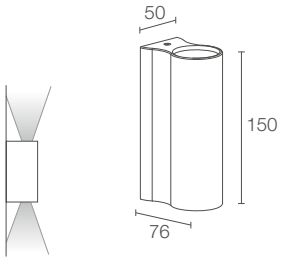


kg 0.63 IP65 IK04

A A+ A++

POWER / POWER SUPPLY	6W 230Vac
CODE	**NT2110 00 0 E** White **NT2110 00 0 F** Grey **NT2110 00 0 H** Anthracite **NT2110 00 0 T** Cor-ten **NT2110 00 0 7** Primer
CRI	**0** - CRI 80 **1** - CRI >90
HONEYCOMB LOUVRE	**0** - not present **1** - present (not compatible with the 8° asymmetrical and diffuse optics)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**Z** - asymmetrical, 8° **T** - 11° **M** - 34° **K** - 68° **D** - diffuse
LUMEN OUTPUT AT SOURCE	488 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	352 lm (3000K, 34°, CRI 80)
NO. AND TYPE OF LED	1 power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (wall)
NOTES	version compatible with Google Home or Amazon Echo available on request for voice command control
PHOTOMETRIC DATA	see p. 772

INTONO 2.2



kg 0.63 IP65 IK04

A A+ A++

	12W 230Vac
	NT2210 00 E White **NT2210 00 F** Grey **NT2210 00 H** Anthracite **NT2210 00 T** Cor-ten **NT2210 00 7** Primer
	0 - CRI 80 **1** - CRI >90
	0 - not present **1** - present (not compatible with the diffuse+diffuse and asymmetrical 8°+68° versions)
	F - 2700K **5** - 3000K **9** - 4000K
	TT - 11°+ 11° **TK** - 11°+ 68° **MM** - 34°+ 34° **KK** - 68°+ 68° **DD** - diffuse + diffuse **ZK** - asymmetrical, 8°+ 68°
	488 lm (3000K, CRI 80) per beam
	352 lm (3000K, 34°, CRI 80) per beam
	2 power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
	built in
	surface mounted (wall)
	version compatible with Google Home or Amazon Echo available on request for voice command control
	see p. 772

< INTONO 3.1
4000K, 10W, 15°, grey



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INTONO 3.9

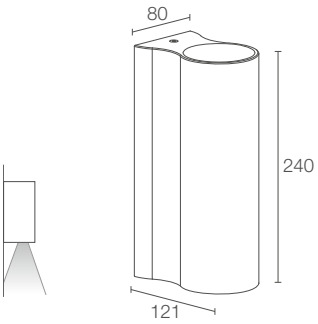
speaker:

maximum power	3W
nominal impedance Z	16 Ohm
mean sound pressure level	86 dB (1W/1m)

INTONO 3



INTONO 3.1



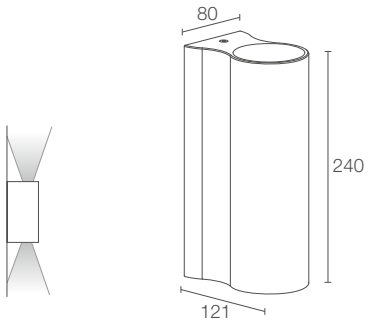
kg 2.20 IP65 IK04

A A+ A++

POWER / POWER SUPPLY	10W 230Vac
CODE	**NT3110 0 0 E** White **NT3110 0 0 F** Grey **NT3110 0 0 H** Anthracite **NT3110 0 0 T** Cor-ten **NT3110 0 0 7** Primer
CRI	**0** - CRI 80 **1** - CRI >90
CONTROL SYSTEM	**0** - on/off **R** - 1-10V DALI on request
HONEYCOMB LOUVRE	**0** - not present **1** - present (not compatible with the asymmetrical, 11° asymmetrical and wall-grazing optics)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**Z** - asymmetrical, 11° **S** - 15° **M** - 20° **L** - 43° **W** - wall grazing **A** - asymmetrical
LUMEN OUTPUT AT SOURCE	988 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	837 lm (3000K, 15°, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (wall)
ACCESSORIES	none
NOTES	version compatible with Google Home or Amazon Echo available on request for voice command control
PHOTOMETRIC DATA	see p. 773



INTONO 3.2



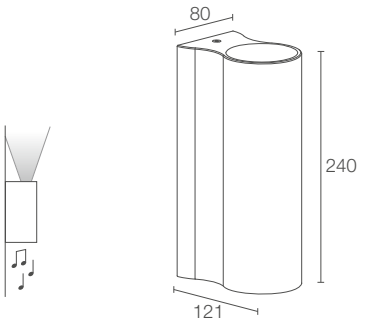
kg 2.20 IP65 IK04

A A+ A++

	20W 230Vac **NT3210** 0 E White **NT3210** 0 F Grey **NT3210** 0 H Anthracite **NT3210** 0 T Cor-ten **NT3210** 0 7 Primer
	0 - CRI 80 **1** - CRI >90
	0 - on/off **R** - 1-10V DALI on request
	0 - not present **1** - present (not compatible with the wall-grazing+wall-grazing, wall-grazing+asymmetrical, and 11° asymmetrical+wall-grazing versions)
	F - 2700K **5** - 3000K **9** - 4000K
	SS - 15°+ 15° **MM**- 20°+ 20° **LL** - 43°+ 43° **SL** - 15°+ 43° **WW**- wall grazing + wall grazing **WA** - wall grazing + asymmetrical **ZW** - asymmetrical, 11°+ wall grazing
	988 lm (3000K, CRI 80) per beam
	837 lm (3000K, 15°, CRI 80) per beam
	2 high power density COB LEDs 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
	built in
	surface mounted (wall)
	none
	version compatible with Google Home or Amazon Echo available on request for voice command control
	see p. 773



INTONO 3.9



kg 2.24 IP65 IK04

A A+ A++

	9W 24Vdc **NT3900** 00 9 E White **NT3900** 00 9 F Grey **NT3900** 00 9 H Anthracite **NT3900** 00 9 T Cor-ten **NT3900** 00 9 7 Primer
	0 - CRI 80 **1** - CRI >90
	0 - not present **1** - present (not compatible with the asymmetrical, 11° asymmetrical and wall-grazing optics)
	F - 2700K **5** - 3000K **9** - 4000K
	Z - asymmetrical, 11° **S** - 15° **M** - 20° **L** - 43° **W** - wall grazing **A** - asymmetrical
	988 lm (3000K, CRI 80)
	837 lm (3000K, 15°, CRI 80)
	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
	not included, see p. 847
	surface mounted (wall)
	WUNT39A00 Bluetooth 3.0 audio control kit with power supply unit and amplifier (for Alexa or Google voice-control systems); **WUNT39A01** Wi-Fi control kit
	version compatible with Google Home or Amazon Echo available on request for voice command control
	see p. 773



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INTONO 4 .9

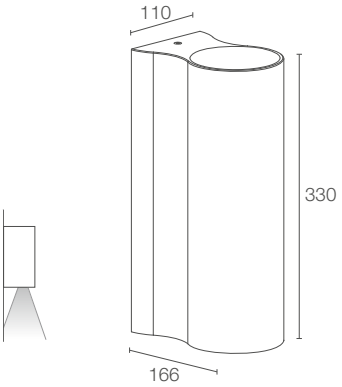
speaker:

maximum power	3W
nominal impedance Z	8 Ohm
mean sound pressure level	86 dB (1W/1m)

INTONO 4



INTONO 4.1



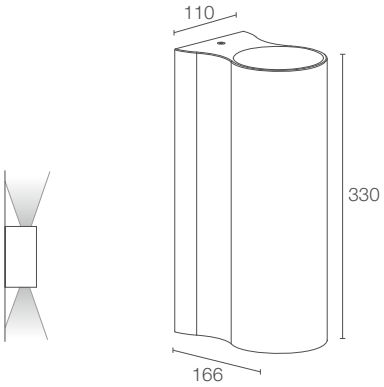
CE LED TECH kg 4.80 IP65 IK04

A A+ A++

POWER / POWER SUPPLY CODE	19W 230Vac **NT4110 0 0 E** White **NT4110 0 0 F** Grey **NT4110 0 0 H** Anthracite **NT4110 0 0 T** Cor-ten **NT4110 0 0 7** Primer
CRI	**0** - CRI 80 **1** - CRI >90
CONTROL SYSTEM	**0** - on/off **R** - 1-10V DALI on request
HONEYCOMB LOUVRE	**0** - not present **1** - present (not compatible with the asymmetrical, 28° asymmetrical and wall-grazing optics)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**Z** - asymmetrical, 28° **S** - 12° **M** - 23° **L** - 57° **W** - wall grazing **A** - asymmetrical
LUMEN OUTPUT AT SOURCE	1646 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	1386 lm (3000K, 12°, CRI 80)
NO. AND TYPE OF LED	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (wall)
ACCESSORIES	none
NOTES	version compatible with Google Home or Amazon Echo available on request for voice command control
PHOTOMETRIC DATA	see p. 773



INTONO 4.2



kg 4.80 IP65 IK04

A A+ A++

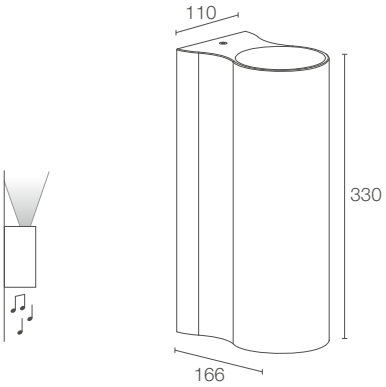
38W 230Vac

NT4210		**0**			**E**	White
NT4210		**0**			**F**	Grey
NT4210		**0**			**H**	Anthracite
NT4210		**0**			**T**	Cor-ten
NT4210		**0**			**7**	Primer

	0 - CRI 80 **1** - CRI >90
	0 - on/off **R** - 1-10V DALI on request
	0 - not present **1** - present (not compatible with the wall-grazing+wall-grazing, wall-grazing+asymmetrical, and asymmetrical 28°+57° versions)
	F - 2700K **5** - 3000K **9** - 4000K
	SS - 12°+ 12° **MM**- 23°+ 23° **LL** - 57°+ 57° **SL** - 12°+ 57° **WW**- wall grazing + wall grazing **WA** - wall grazing + asymmetrical **ZL** - asymmetrical, 28°+ 57°
	1646 lm (3000K, CRI 80) per beam
	1386 lm (3000K, 12°, CRI 80) per beam
	2 high power density COB LEDs 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
	built in
	surface mounted (wall)
	none
	version compatible with Google Home or Amazon Echo available on request for voice command control
	see p. 773



INTONO 4.9



kg 4.84 IP65 IK04

A A+ A++

17W 24Vdc

NT4900		**00**			**9 E**	White
NT4900		**00**			**9 F**	Grey
NT4900		**00**			**9 H**	Anthracite
NT4900		**00**			**9 T**	Cor-ten
NT4900		**00**			**9 7**	Primer

	0 - CRI 80 **1** - CRI >90
	0 - not present **1** - present (not compatible with the asymmetrical, 28° asymmetrical and wall-grazing optics)
	F - 2700K **5** - 3000K **9** - 4000K
	Z - asymmetrical, 28° **S** - 12° **M** - 23° **L** - 57° **W** - wall grazing **A** - asymmetrical
	1646 lm (3000K, CRI 80)
	1386 lm (3000K, 12°, CRI 80)
	1 high power density COB LED 2-step MacAdam, 50000h L95 B10 (Ta 25°C)
	body in die-cast aluminium screen in black-serigraphed, tempered, transparent extra-clear glass
	not included, see p. 847
	surface mounted (wall)
	WUNT39A00 Bluetooth 3.0 audio control kit with power supply unit and amplifier (for Alexa or Google voice-control systems); **WUNT39A01** Wi-Fi control kit
	version compatible with Google Home or Amazon Echo available on request for voice command control
	see p. 773



GEKO

OUTDOOR WALL MOUNTED
ARCHITECTURAL LIGHTING FOR WALLS AND FACADES





	SINGLE BEAM	DOUBLE BEAM
2700K 3000K 4000K diffuse	 **GEKO 5.0** p. 266 10W/16W 230Vac	 **GEKO 6.0** p. 267 16W/28W 230Vac
2700K 3000K 4000K 5000K ultra-narrow, narrow, medium, wide, elliptical, asymmetrical	 **GEKO 5.1** p. 266 10W 230Vac	 **GEKO 6.1** p. 267 20W 230Vac

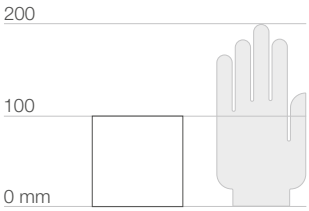
< **GEKO 5.1**
3000K, 10W, 30°, grey

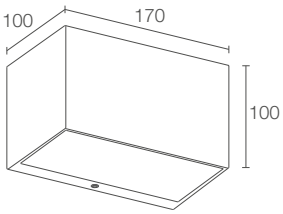
Light planning by / Cristian Turra
Photo by / Alessio Tamborini
Private residence, Brescia, Italy

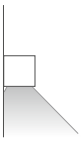
GEKO 5



GEKO 5.0







Diffuse

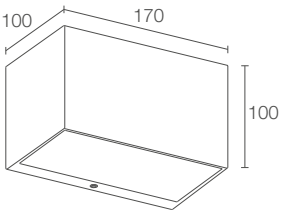
CE LED TECH kg 1.80 IP65 IK07

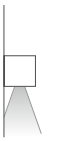
A A+ A++

POWER / POWER SUPPLY	10W 230Vac
CODE	**GK5010 D E** White **GK5010 D F** Grey **GK5010 D H** Anthracite **GK5010 D T** Cor-ten 16W 230Vac **GK5011 D E** White **GK5011 D F** Grey **GK5011 D H** Anthracite **GK5011 D T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	713 lm (3000K, 10W) 1120 lm (3000K, 16W)
DELIVERED LUMEN OUTPUT	531 lm (3000K, 10W) 831 lm (3000K, 16W)
NO. AND TYPE OF LED	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, sandblasted, tempered extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 0.30 m cable
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 268
PHOTOMETRIC DATA	see p. 764

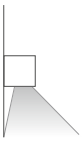


GEKO 5.1





Optics



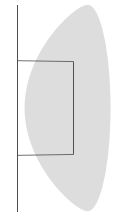
Asymmetrical optics

CE LED TECH kg 1.80 IP65 IK07

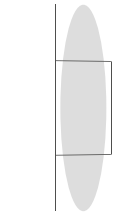
A A+ A++ PID

	10W 230Vac
	GK5110 E White **GK5110 F** Grey **GK5110 H** Anthracite **GK5110 T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	T - 7° **S** - 10° **F** - 30° **K** - 70° **W** - 10°x45° **A** - asymmetrical
	727 lm (3000K)
	535 lm (3000K, 30°)
	5 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 0.30 m cable
	surface mounted (wall)
	see p. 268
	see p. 764

GEKO 6



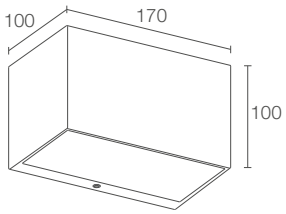
10°x45° optics
(Geko 5.1 / 6.1)

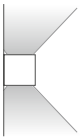


Asymmetrical optics
(Geko 5.1 / 6.1)



GEKO 6.0





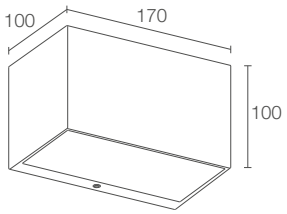
Diffuse

CE LED TECH kg 2.20 IP65 IK07
A A+ A++

POWER / POWER SUPPLY	16W 230Vac
CODE	**GK6010 D E** White **GK6010 D F** Grey **GK6010 D H** Anthracite **GK6010 D T** Cor-ten
	28W 230Vac
	GK6011 D E White **GK6011 D F** Grey **GK6011 D H** Anthracite **GK6011 D T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	713 lm (3000K, 16W) per beam 1120 lm (3000K, 28W) per beam
DELIVERED LUMEN OUTPUT	531 lm (3000K, 16W) per beam 831 lm (3000K, 28W) per beam
NO. AND TYPE OF LED	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, sandblasted, tempered extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 0.30 m cable
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 268
PHOTOMETRIC DATA	see p. 764

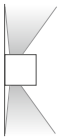


GEKO 6.1





Optics



Asymmetrical optics

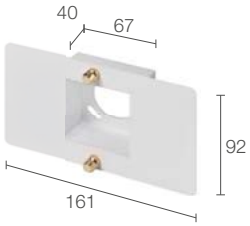
CE LED TECH kg 2.20 IP65 IK07
A A+ A++ PID

	20W 230Vac
	GK6110 E White **GK6110 F** Grey **GK6110 H** Anthracite **GK6110 T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	T - 7° **S** - 10° **F** - 30° **K** - 70° **W** - 10°x45° **A** - asymmetrical
	727 lm (3000K) per beam
	535 lm (3000K, 30°) per beam
	10 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 0.30 m cable
	surface mounted (wall)
	see p. 268
	see p. 764

GEKO

ACCESSORIES

ACCESSORIES
FOR INSTALLATION



WD0300E - White
WD0300F - Grey
WD0300H - Anthracite
WD0300T - Cor-ten

Spacer
RAL finish available on request

GEKO 6.1 >
2700K, 20W, 10°, white

Light planning by / LuceDomotica
Hilton Garden Inn, Bucharest, Romania

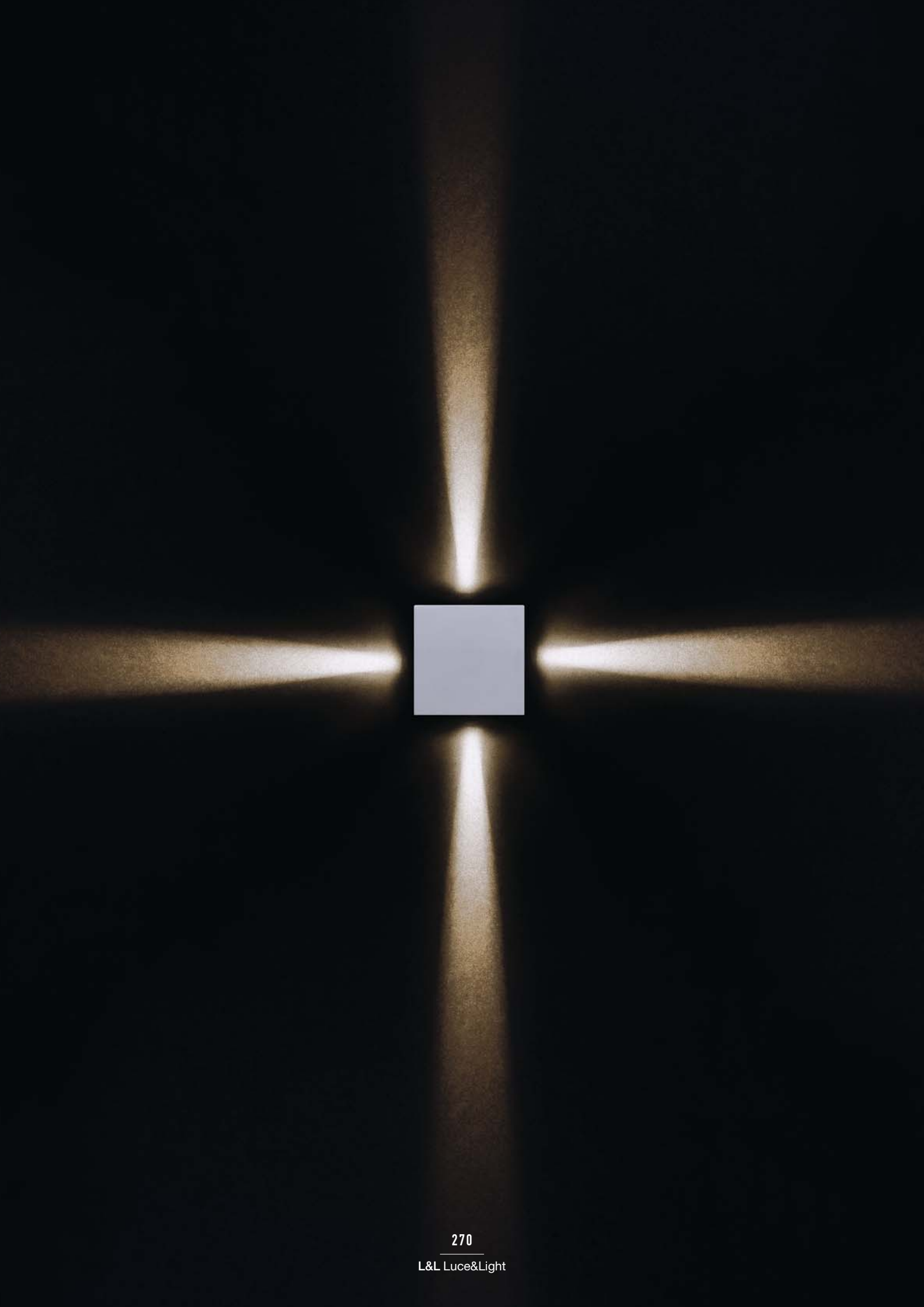
v
GEKO 5.1
with asymmetrical optics



v
GEKO 5.1
with 70° optics



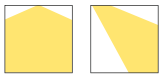
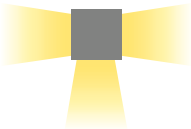
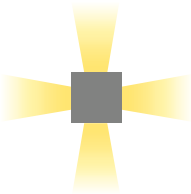




KOCCA

OUTDOOR WALL MOUNTED
WITH DIFFERENT BEAMS FOR ARCHITECTURAL LIGHTING FOR WALLS AND FACADES

2700K 3000K 4000K

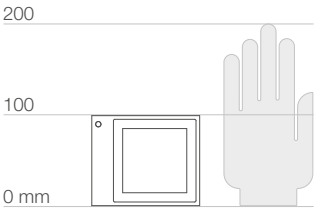
	HEIGHT 100 mm	HEIGHT 150 mm
	 **KOCCA 1.1** p. 272 4W/8.5W 230Vac  diffuse asymmetrical	 **KOCCA 3.1** p. 274 12W/18W 230Vac  ultra-narrow narrow medium diffuse
	 **KOCCA 1.2** p. 272 7W/15W 230Vac  diffuse asymmetrical	 **KOCCA 3.2** p. 275 15W/21W/36W 230Vac  ultra-narrow narrow medium diffuse
	 **KOCCA 1.3** p. 273 10W 230Vac  asymmetrical	
	 **KOCCA 1.4** p. 273 13W 230Vac  asymmetrical	 **KOCCA 3.4** p. 275 30W/40W 230Vac  ultra-narrow narrow medium diffuse

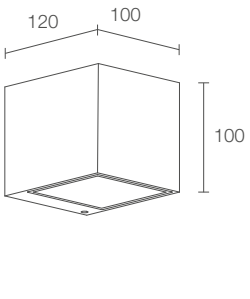
< KOCCA 1.4
with 10° asymmetrical optics

KOCCA 1



KOCCA 1.1





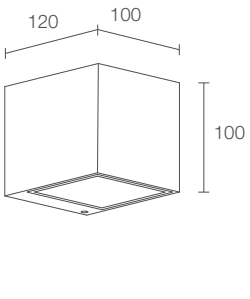
CE LED TECH kg 1.80 IP65 IK07

A A+ A++ PID

POWER / POWER SUPPLY CODE	4W 230Vac optics version **KA1110 E** White **KA1110 F** Grey **KA1110 H** Anthracite **KA1110 T** Cor-ten 8.5W 230Vac optics version **KA1111 E** White **KA1111 F** Grey **KA1111 H** Anthracite **KA1111 T** Cor-ten 8.5W 230Vac diffuse **KA1111 D E** White **KA1111 D F** Grey **KA1111 D H** Anthracite **KA1111 D T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**W**- asymmetrical, 10° **K** - asymmetrical, 70° **A** - asymmetrical, 140°
LUMEN OUTPUT AT SOURCE	184 lm (3000K, 4W) 657 lm (3000K, 8.5W)
DELIVERED LUMEN OUTPUT	119 lm (3000K, 70° asymmetrical, 4W) 382 lm (3000K, 70° asymmetrical, 8.5W) 478 lm (3000K, diffuse optics)
NO. AND TYPE OF LED	1 power LED, 1/4 ANSI BIN (4W version) 1 high-intensity power LED 3-step MacAdam (8.5W version) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass (optics version) screen in serigraphed, tempered extra-clear glass and opal PMMA (diffuse version)
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 0.50 m cable H05RN-F 2x0.75 Ø6.3 mm
MOUNTING	surface mounted (wall)
PHOTOMETRIC DATA	see p. 775



KOCCA 1.2



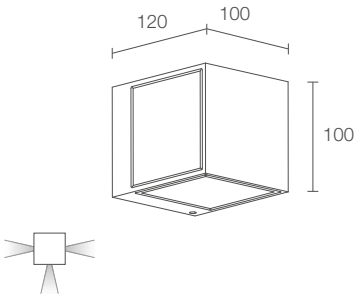
CE LED TECH kg 1.66 IP65 IK07

A A+ A++ PID

	7W 230Vac optics version **KA1210 E** White **KA1210 F** Grey **KA1210 H** Anthracite **KA1210 T** Cor-ten 15W 230Vac optics version **KA1211 E** White **KA1211 F** Grey **KA1211 H** Anthracite **KA1211 T** Cor-ten 15W 230Vac diffuse **KA1211 D E** White **KA1211 D F** Grey **KA1211 D H** Anthracite **KA1211 D T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K
	W- asymmetrical, 10° **K** - asymmetrical, 70° **A** - asymmetrical, 140°
	184 lm (3000K, 7W) per beam 657 lm (3000K, 15W) per beam
	119 lm (3000K, 70° asymmetrical, 7W) per beam 382 lm (3000K, 70° asymmetrical, 15W) per beam 478 lm (3000K, diffuse optics) per beam
	2 power LEDs, 1/4 ANSI BIN (7W version) 2 high-intensity power LEDs 3-step MacAdam (15W version) 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass (optics version) screen in serigraphed, tempered extra-clear glass and opal PMMA (diffuse version)
	built in
	connection box with 0.50 m cable H05RN-F 2x0.75 Ø6.3 mm
	surface mounted (wall)
	see p. 775



KOCCA 1.3



kg 1.35 IP65 IK07

A A+ A++ PID

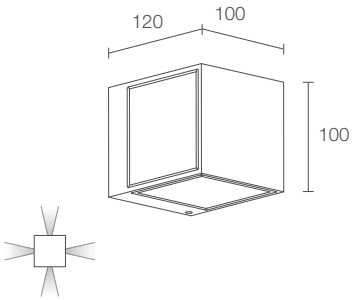
10W 230Vac optics version

KA1310	**E**	White
KA1310	**F**	Grey
KA1310	**H**	Anthracite
KA1310	**T**	Cor-ten

F - 2700K **5** - 3000K **9** - 4000K	
W- asymmetrical, 10° **K** - asymmetrical, 70° **A** - asymmetrical, 140°	
184 lm (3000K) per beam	
119 lm (3000K, 70° asymmetrical) per beam	
3 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	
body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	
built in	
connection box with 0.50 m cable H05RN-F 2x0.75 Ø6.3 mm	
surface mounted (wall)	
see p. 775	



KOCCA 1.4



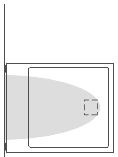
kg 1.50 IP65 IK07

A A+ A++ PID

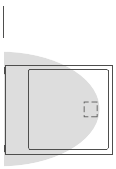
13W 230Vac optics version

KA1410	**E**	White
KA1410	**F**	Grey
KA1410	**H**	Anthracite
KA1410	**T**	Cor-ten

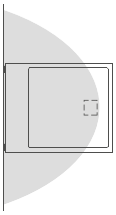
F - 2700K **5** - 3000K **9** - 4000K	
W- asymmetrical, 10° **K** - asymmetrical, 70° **A** - asymmetrical, 140°	
184 lm (3000K) per beam	
119 lm (3000K, 70° asymmetrical) per beam	
4 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	
body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass	
built in	
connection box with 0.50 m cable H05RN-F 2x0.75 Ø6.3 mm	
surface mounted (wall)	
see p. 775	



10° asymmetrical optics



70° asymmetrical optics



140° asymmetrical optics

KOCCA 3

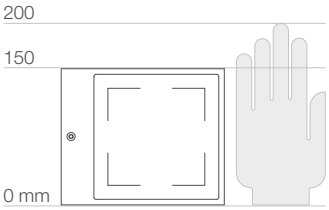


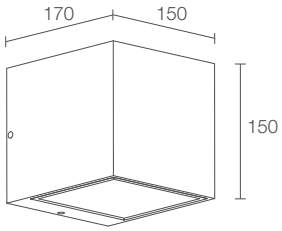
v
KOCCA 3.1
3000K, 18W, 7°, anthracite
TAK 1.1
3000K, 18W, 70°, anthracite

Project by / Amatori Architettura d'Interni
Light planning by / Litek
Listrop Viaggi & Turismo, Rosà, Vicenza, Italy



KOCCA 3.1







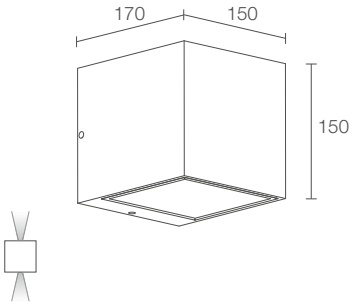
kg 3.85 IP65 IK06

A A+ A++ PID

POWER / POWER SUPPLY CODE	12W 230Vac diffuse **KA3110 D E** White **KA3110 D F** Grey **KA3110 D H** Anthracite **KA3110 D T** Cor-ten 12W 230Vac optics version **KA3110 E** White **KA3110 F** Grey **KA3110 H** Anthracite **KA3110 T** Cor-ten 18W 230Vac optics version **KA3111 E** White **KA3111 F** Grey **KA3111 H** Anthracite **KA3111 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**T** - 7° **S** - 10° **F** - 30°
LUMEN OUTPUT AT SOURCE	727 lm (3000K, optics version, 12W) 1308 lm (3000K, optics version, 18W) 625 lm (3000K, diffuse version)
DELIVERED LUMEN OUTPUT	631 lm (3000K, 30°, 12W) 1137 lm (3000K, 30°, 18W) 441 lm (3000K, diffuse optics)
NO. AND TYPE OF LED	5, 9 power LEDs (optics version) power LED matrix (diffuse version) 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass (optics version) screen in serigraphed, sandblasted, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 0.50 m cable H05RN-F 2x0.75 Ø6.3 mm
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 276
NOTES	DALI and 1-10V versions available on request
PHOTOMETRIC DATA	see p. 775



KOCCA 3.2



kg 4.05 IP65 IK06

A A+ A++ PID

15W 230Vac diffuse
KA3210 **D E** White
KA3210 **D F** Grey
KA3210 **D H** Anthracite
KA3210 **D T** Cor-ten

21W 230Vac optics version
KA3210 **E** White
KA3210 **F** Grey
KA3210 **H** Anthracite
KA3210 **T** Cor-ten

36W 230Vac optics version
KA3211 **E** White
KA3211 **F** Grey
KA3211 **H** Anthracite
KA3211 **T** Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

T - 7°
S - 10°
F - 30°

727 lm (3000K, optics version, 21W) per beam
1308 lm (3000K, optics version, 36W) per beam
625 lm (3000K, diffuse version) per beam

631 lm (3000K, 30°, 21W) per beam
1137 lm (3000K, 30°, 36W) per beam
441 lm (3000K, diffuse optics) per beam

10, 18 power LEDs (optics version)
power LED matrix (diffuse version)
1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)

body in die-cast aluminium
screen in serigraphed, tempered, transparent extra-clear glass (optics version)
screen in serigraphed, sandblasted, tempered extra-clear glass (diffuse version)

built in

connection box with 0.50 m cable
H05RN-F 2x0.75 Ø6.3 mm

surface mounted (wall)

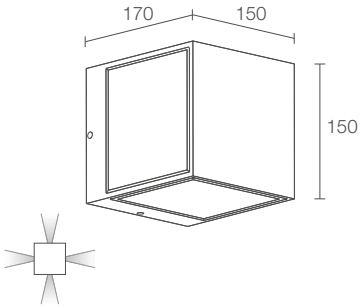
see p. 276

DALI and 1-10V versions available on request

see p. 775



KOCCA 3.4



kg 4.45 IP65 IK06

A A+ A++ PID

30W 230Vac diffuse
40W 230Vac optics version
KA3410 **E** White
KA3410 **F** Grey
KA3410 **H** Anthracite
KA3410 **T** Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

T - 7°
S - 10°
F - 30°
D - diffuse

727 lm (3000K, optics version) per beam
625 lm (3000K, diffuse version) per beam

631 lm (3000K, 30°) per beam
441 lm (3000K, diffuse optics) per beam

20 power LEDs (optics version)
power LED matrix (diffuse version)
1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)

body in die-cast aluminium
screen in serigraphed, tempered, transparent extra-clear glass (optics version)
screen in serigraphed, sandblasted, tempered extra-clear glass (diffuse version)

built in

connection box with 0.50 m cable
H05RN-F 2x0.75 Ø6.3 mm

surface mounted (wall)

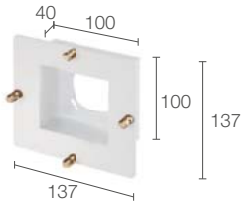
see p. 276

see p. 775

KOCCA

ACCESSORIES

ACCESSORIES FOR INSTALLATION

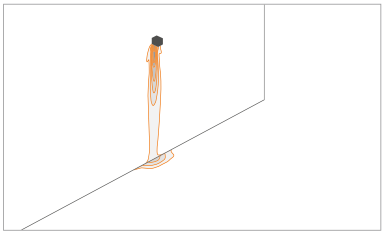


WD0400E - White
WD0400F - Grey
WD0400H - Anthracite
WD0400T - Cor-ten

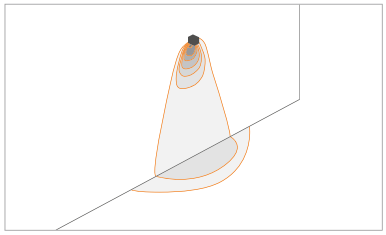
Spacer
RAL finish available on request
(Kocca 3)

KOCCA 1: INSTALLATION AT A HEIGHT OF 2 METRES

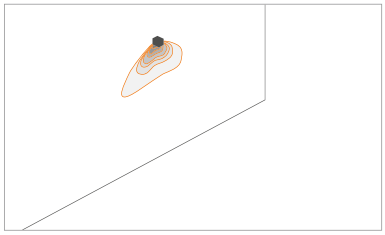
4W - asymmetrical, 10°



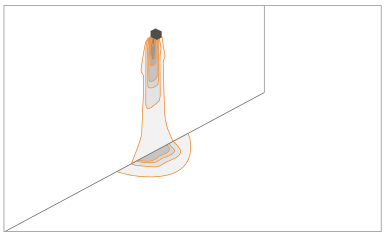
4W - asymmetrical, 70°



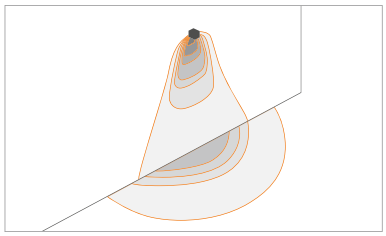
4W - asymmetrical, 140°



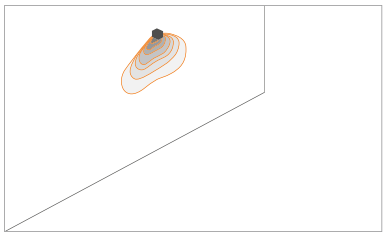
8.5W - asymmetrical, 10°



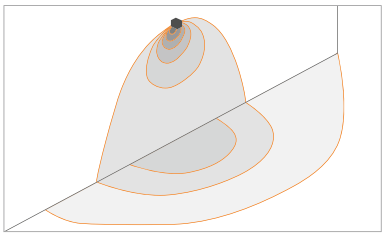
8.5W - asymmetrical, 70°



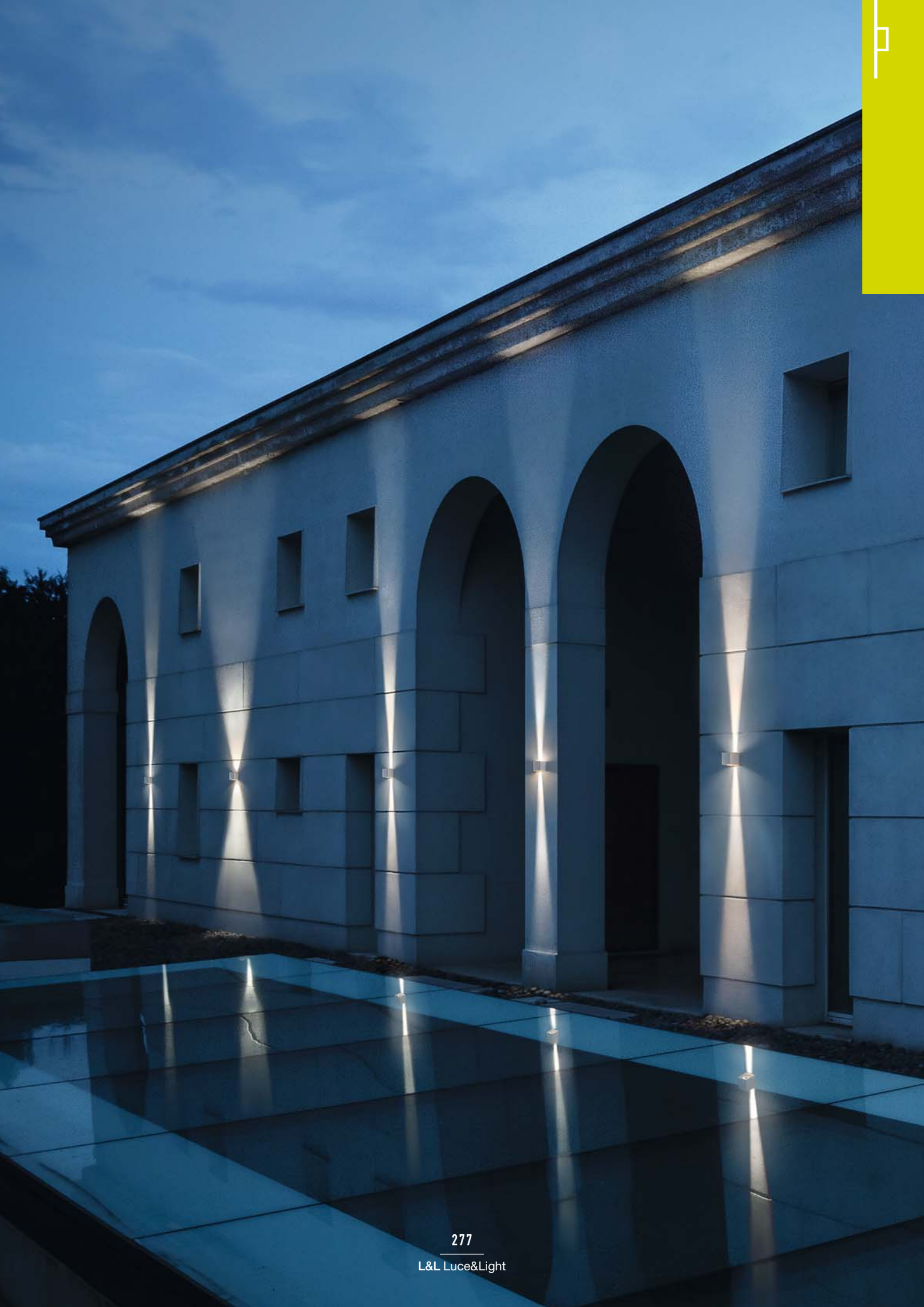
8.5W - asymmetrical, 140°



8.5W - diffuse



KOCCA 1.2 >
3000K, 15W
10° asymmetrical - 70° asymmetrical, white





ELLA OUT

OUTDOOR WALL MOUNTED
SINGLE BEAM, DIFFUSE LIGHT



diffuse

2700K 3000K 4000K

	OUTDOOR			INDOOR
WALL MOUNTED				
	 **ELLA OUT 1.0** p. 280 7W 230Vac 493 lm (3000K)	 **ELLA OUT 2.0** p. 281 13W 230Vac 985 lm (3000K)	 **ELLA OUT 3.0** p. 281 19W 230Vac 1478 lm (3000K)	**ELLA IN** p. 594
CEILING MOUNTED	ELLO OUT p. 306			ELLO IN p. 620

< ELLA OUT 2.0
3000K, 13W, anthracite

ELLA OUT

v
ELLA OUT 1.0
without spacer

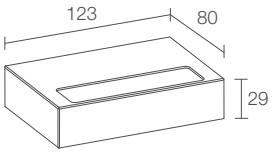




^
ELLA OUT 1.0
with spacer (15° inclination)



ELLA OUT 1.0



kg 0.40 IP65 IK08

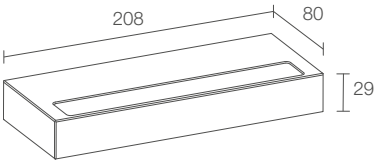
A A+ A++

POWER / POWER SUPPLY	7W 230Vac
CODE	**EA1010 D E T** White **EA1010 D F T** Grey **EA1010 D H T** Anthracite **EA1010 D T T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	954 lm (3000K)
DELIVERED LUMEN OUTPUT	493 lm (3000K)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed extra-clear microprismatic glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 282
NOTES	indoor version: Ella IN 1.0, p. 596 ceiling-mounted version: Ello OUT 1.0, p. 308
PHOTOMETRIC DATA	see p. 758





ELLA OUT 2.0

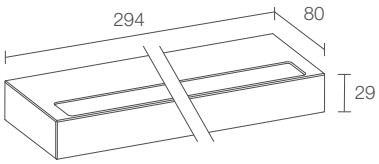


kg 0.80 IP65 IK08

A A+ A++

	13W 230Vac **EA2010 D E T** White **EA2010 D F T** Grey **EA2010 D H T** Anthracite **EA2010 D T T** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1908 lm (3000K)
	985 lm (3000K)
	36 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
	surface mounted (wall)
	see p. 282
	indoor version: Ella IN 2.0, p. 597 ceiling-mounted version: Ello OUT 2.0, p. 309
	see p. 758

ELLA OUT 3.0



kg 1.20 IP65 IK08

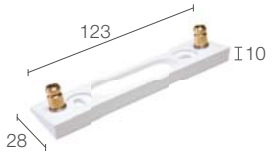
A A+ A++

	19W 230Vac **EA3010 D E T** White **EA3010 D F T** Grey **EA3010 D H T** Anthracite **EA3010 D T T** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	2862 lm (3000K)
	1478 lm (3000K)
	54 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
	surface mounted (wall)
	see p. 282
	indoor version: Ella IN 3.0, p. 597 ceiling-mounted version: Ello OUT 3.0, p. 309
	see p. 758

ELLA OUT

ACCESSORIES

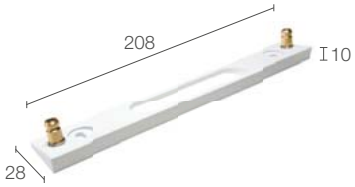
ACCESSORIES
FOR INSTALLATION



WD0651E - White
WD0651F - Grey
WD0651H - Anthracite
WD0651T - Cor-ten

Spacer for 15° inclination
RAL finish available on request

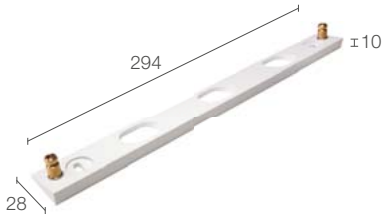
(Ella OUT 1.0)



WD0652E - White
WD0652F - Grey
WD0652H - Anthracite
WD0652T - Cor-ten

Spacer for 15° inclination
RAL finish available on request

(Ella OUT 2.0)



WD0653E - White
WD0653F - Grey
WD0653H - Anthracite
WD0653T - Cor-ten

Spacer for 15° inclination
RAL finish available on request

(Ella OUT 3.0)

STANDARD FINISHES



White



Grey



Anthracite



Cor-ten





UPDOWN

OUTDOOR WALL MOUNTED
WITH DIFFERENT BEAMS, AND WHITE AND RGB LIGHT

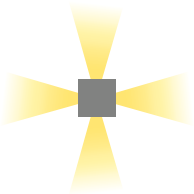


2700K 3000K 4000K blue


SINGLE BEAM


DOUBLE BEAM


DOUBLE BEAM


2 / 3 / 4 BEAMS

CONSTANT CURRENT



UPDOWN 3.0 p. 286
max 6W max 500mA RGB
RGB: max 3W max 350mA



UPDOWN 4.0 p. 287
max 6W max 350mA RGB



UPDOWN 6.0 p. 288
max 4W max 500mA



UPDOWN 7.0 p. 289
max 4W/6W/8W max 500mA

CONSTANT VOLTAGE



UPDOWN 3.6 p. 286
6W 24Vdc



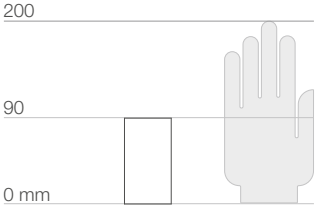
UPDOWN 4.6 p. 287
6W 24Vdc

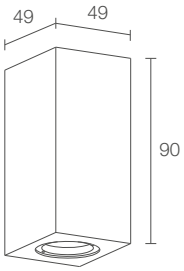
< **UPDOWN 3.6**
3000K, 6W, 15°, anodized grey

UPDOWN 3



UPDOWN 3.0





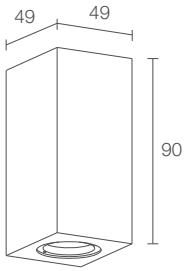


kg 0.34 IP65

A A+ A++

POWER / POWER SUPPLY CODE	**max 6W max 500mA blue/white light** **UD3032 E** White **UD3032 A** Anodized grey **UD3032 H** Anthracite **UD3032 T** Cor-ten **max 3W max 350mA RGB light** **UD3031 6 E** White **UD3031 6 A** Anodized grey **UD3031 6 H** Anthracite **UD3031 6 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
OPTICS	**S** - 15° **M** - 22° **L** - 54°
LUMEN OUTPUT AT SOURCE	436 lm (3000K, 500mA) RGB: 160 lm, R: 59 lm G: 76 lm B: 25 lm (350mA)
DELIVERED LUMEN OUTPUT	239 lm (3000K, 500mA, 22°) RGB: 114 lm, R: 42 lm G: 54 lm B: 18 lm (350mA, 22°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 291 and 844
POWER CABLES	includes 0.30 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 290
PHOTOMETRIC DATA	see p. 834

UPDOWN 3.6





kg 0.34 IP65

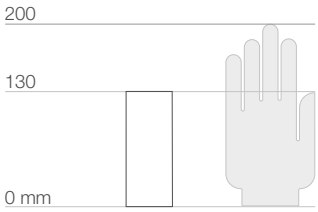
A A+ A++

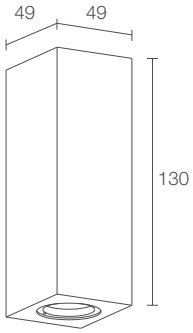
	6W 24Vdc **UD3600 E** White **UD3600 A** Anodized grey **UD3600 H** Anthracite **UD3600 T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **1** - blue
	S - 15° **M** - 22° **L** - 54°
	436 lm (3000K)
	239 lm (3000K, 22°)
	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent extra-clear glass
	not included, see p. 291
	includes 0.30 m PVC cable FROR 2x0.35 Ø3.5 mm
	parallel
	surface mounted (wall)
	see p. 290
	see p. 834

UPDOWN 4



UPDOWN 4.0





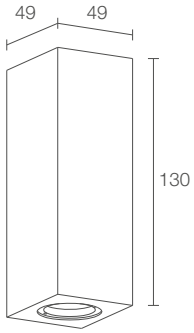


kg 0.70 IP65

A A+ A++

POWER / POWER SUPPLY	**max 6W max 350mA**
CODE	**UD4061 E** White
	UD4061 A Anodized grey
	UD4061 H Anthracite
	UD4061 T Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue **6** - RGB
OPTICS	UP optics: **S** - 15° **M** - 22° **L** - 54°
	DOWN optics: **S** - 15° **M** - 22° **L** - 54°
LUMEN OUTPUT AT SOURCE	236 lm (3000K, 350mA) per beam RGB: 160 lm, R: 59 lm G: 76 lm B: 25 lm (350mA) per beam
DELIVERED LUMEN OUTPUT	182 lm (3000K, 350mA, 22°) per beam RGB: 114 lm, R: 42 lm G: 54 lm B: 18 lm (350mA, 22°) per beam
NO. AND TYPE OF LED	6 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 291 and 844
POWER CABLES	includes 0.30 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 290
PHOTOMETRIC DATA	see p. 834

UPDOWN 4.6





kg 0.70 IP65

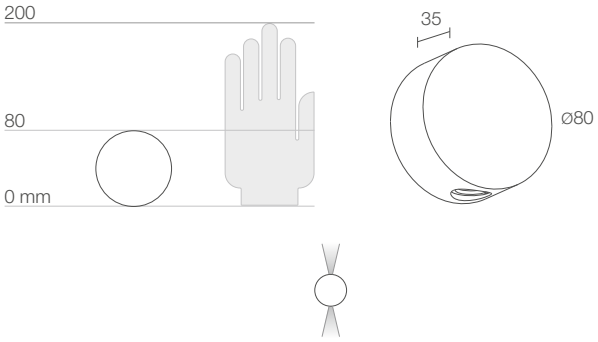
A A+ A++

6W 24Vdc	
UD4600 E	White
UD4600 A	Anodized grey
UD4600 H	Anthracite
UD4600 T	Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **1** - blue
	UP optics: **S** - 15° **M** - 22° **L** - 54°
	DOWN optics: **S** - 15° **M** - 22° **L** - 54°
	236 lm (3000K) per beam
	182 lm (3000K, 22°) per beam
	6 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent extra-clear glass
	not included, see p. 291
	includes 0.30 m PVC cable FROR 2x0.35 Ø3.5 mm
	parallel
	surface mounted (wall)
	see p. 290
	see p. 834

UPDOWN 6



UPDOWN 6.0



kg 0.42 IP65

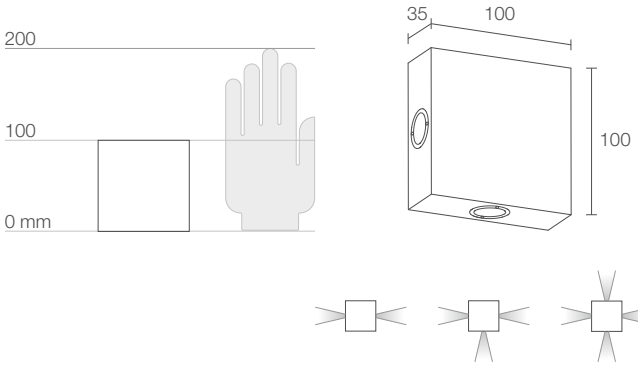
A A+ A++

POWER / POWER SUPPLY **CODE**	max 4W max 500mA **UD6022** ■ ■ ■ **E** White **UD6022** ■ ■ ■ **A** Anodized grey **UD6022** ■ ■ ■ **H** Anthracite **UD6022** ■ ■ ■ **T** Cor-ten
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
■ **OPTICS**	UP optics: **S** - 10° **M** - 20° **L** - 40° DOWN optics: **S** - 10° **M** - 20° **L** - 40°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA) per beam
DELIVERED LUMEN OUTPUT	103 lm (3000K, 500mA, 20°) per beam
NO. AND TYPE OF LED	2 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	not included, see p. 291 and 844
POWER CABLES	includes 0.30 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	surface mounted (wall)
PHOTOMETRIC DATA	see p. 834

UPDOWN 7



UPDOWN 7.0



kg 0.70 IP65

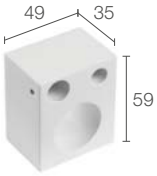
A A+ A++

POWER / POWER SUPPLY **CODE**	max 4W max 500mA double beam **UD7022 E** White **UD7022 A** Anodized grey **UD7022 H** Anthracite **UD7022 T** Cor-ten max 6W max 500mA 3 beams **UD7032 E** White **UD7032 A** Anodized grey **UD7032 H** Anthracite **UD7032 T** Cor-ten max 8W max 500mA 4 beams **UD7042 E** White **UD7042 A** Anodized grey **UD7042 H** Anthracite **UD7042 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
OPTICS	**S** - 10° **M** - 20° **L** - 40°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA) per beam
DELIVERED LUMEN OUTPUT	103 lm (3000K, 500mA, 20°) per beam
NO. AND TYPE OF LED	2, 3, 4 power LEDs, 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in tempered, transparent glass
POWER SUPPLY UNIT	not included, see p. 291 and 844
POWER CABLES	includes 0.30 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	surface mounted (wall)
PHOTOMETRIC DATA	see p. 834

UPDOWN

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES
FOR INSTALLATION



WD0103 - White
WD0100 - Anodized grey
WD0104 - Anthracite
WD0102 - Cor-ten

Spacer
RAL finish available on request
(Updown 3 / 4)

v
UPDOWN 3.0
4000K, 6W, 22°, anodized grey



POWER SUPPLY UNITS Updown 3.0

350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/4	ADUNITC	20	848 849 850
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/2	A16350IP67	67	845
2/4	A312350IP67	67	845
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1	A14500IP67	20	845
1/3	ACUNI020T1	20	844 845
2/3	A310500QL	20	845
2/3	A310500IP67	67	845

POWER SUPPLY UNITS Updown 4.0

350mA

Max no. fixtures	PSU	IP	Page
1/2	A312350QL	20	845
1/2	ACUNI020T1	20	844 845
1/2 dimmer	ADUNITC	20	848 849 850
1	A16350IP67	67	845
1/2	A312350IP67	67	845
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Updown 6.0 / 7.0

350mA 2 LEDs

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/6	ADUNITC	20	848 849 850
1/7	ACUNI020T1	20	844 845
3/4	A19350QL	20	845
3/6	A312350QL	20	845
1/3	A16350IP67	67	845
3/6	A312350IP67	67	845

500mA 2 LEDs

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/2	A15500QL	20	845
1/5	ACUNI020T1	20	844 845
3/5	A310500QL	20	845
1/6 dimmer	ADUNITC	20	848 849 850
1/2	A14500IP67	67	845
3/5	A310500IP67	67	845

350mA 3 LEDs

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1/2	A16350IP67	67	845
2/4	A312350IP67	67	845

500mA 3 LEDs

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/3	ACUNI020T1	20	844 845
2/3	A310500QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1	A14500IP67	67	845
2/3	A310500IP67	67	845

350mA 4 LEDs

Max no. fixtures	PSU	IP	Page
1/2	A19350QL	20	845
1/3	ACUNI020T1	20	844 845
2/3	A312350QL	20	845
1/3 dimmer	ADUNITC	20	848 849 850
1	A16350IP67	67	845
2/3	A312350IP67	67	845

500mA 4 LEDs

Max no. fixtures	PSU	IP	Page
1	A15500QL	20	845
1/2	ACUNI020T1	20	844 845
2	A310500QL	20	845
1/3 dimmer	ADUNITC	20	848 849 850
1	A14500IP67	67	845
2	A310500IP67	67	845

POWER SUPPLY UNITS Updown 3.6 / 4.6

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847



BROM

OUTDOOR WALL MOUNTED
WITH SINGLE- OR DOUBLE-BEAM OPTICS

2700K 3000K 4000K 5000K blue

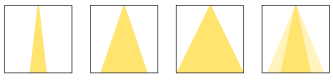


SINGLE BEAM



DOUBLE BEAM

88 lm (3000K, 500mA, 20°)
PER BEAM



narrow medium wide elliptical



BROM 1.0 p. 294
max 2W max 500mA



BROM 2.0 p. 294
max 4W max 500mA

251 lm (3000K, 500mA, 20°)
PER BEAM



narrow medium wide



BROM 3.0 p. 295
max 6W max 500mA



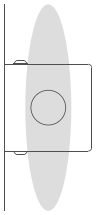
BROM 4.0 p. 295
max 12W max 500mA

< **BROM 2.0**
3000K, 4W, UP optics 20° / DOWN optics 20°

BROM

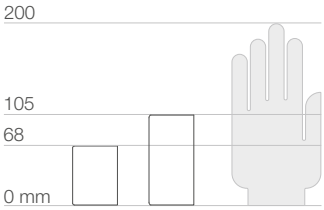


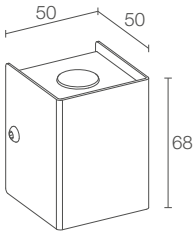




10°x45° optics
(Brom 1.0 / 2.0)

BROM 1.0



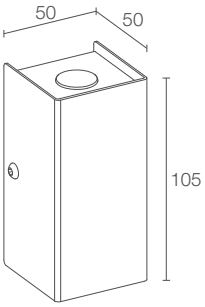




kg 0.30 IP66 IK08

A A+ A++

BROM 2.0





kg 0.40 IP66 IK08

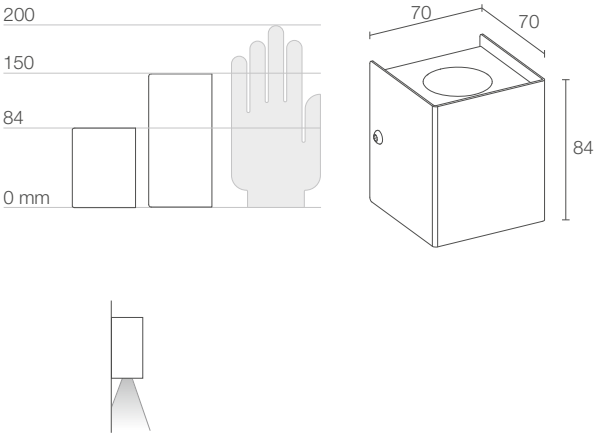
A A+ A++

	BROM 1.0	BROM 2.0
POWER / POWER SUPPLY **CODE**	**max 2W max 500mA** **BR10012** ■ ■ **I**	**max 4W max 500mA** **BR20022** ■ ■ ■ **I**
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **OPTICS**	**S** - 10° **M** - 20° **L** - 40° **W** - 10°x45°	UP optics: **S** - 10° **M** - 20° **L** - 40° **W** - 10°x45° DOWN optics: **S** - 10° **M** - 20° **L** - 40° **W** - 10°x45°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)	145 lm (3000K, 500mA) per beam
DELIVERED LUMEN OUTPUT	88 lm (3000K, 500mA, 20°)	88 lm (3000K, 500mA, 20°) per beam
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	2 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 296 and 844	not included, see p. 296 and 844
POWER CABLES	includes 2x0.30 m single-core cables	includes 2x0.30 m single-core cables
WIRING	series	series
MOUNTING	surface mounted (wall)	surface mounted (wall)
PHOTOMETRIC DATA	see p. 740	see p. 740





BROM 3.0

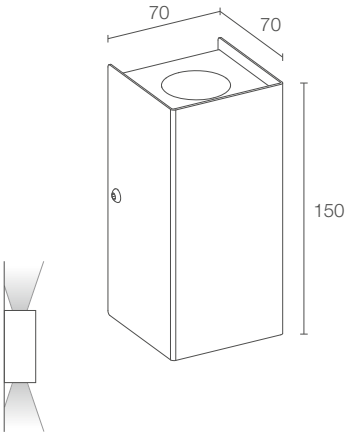


kg 0.45 IP66 IK08

A A+ A++

	max 6W max 500mA **BR30032** ■ ■ **I**
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	**S** - 12° **M** - 20° **L** - 35°
	436 lm (3000K, 500mA)
	251 lm (3000K, 500mA, 20°)
	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
	not included, see p. 296 and 844
	includes 2x0.30 m single-core cables
	series
	surface mounted (wall)
	see p. 740

BROM 4.0



kg 0.80 IP66 IK08

A A+ A++

	max 12W max 500mA **BR40062** ■ ■ ■ **I**	
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue	
■	UP optics: **S** - 12° **M** - 20° **L** - 35°	DOWN optics: **S** - 12° **M** - 20° **L** - 35°
	436 lm (3000K, 500mA) per beam	
	251 lm (3000K, 500mA, 20°) per beam	
	6 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass	
	not included, see p. 296 and 844	
	includes 2x0.30 m single-core cables	
	series	
	surface mounted (wall)	
	see p. 740	

BROM

POWER SUPPLY UNITS

POWER SUPPLY UNITS Brom 1.0

350mA 1 LED

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA 1 LED

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

POWER SUPPLY UNITS Brom 2.0

350mA 2 LEDs

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/7	ACUNI020T1	20	844 845
3/4	A19350QL	20	845
3/6	A312350QL	20	845
1/6 dimmer	ADUNITC	20	848 849 850
1/3	A16350IP67	67	845
3/6	A312350IP67	67	845

500mA 2 LEDs

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/2	A15500QL	20	845
1/5	ACUNI020T1	20	844 845
3/4	A310500QL	20	845
1/6 dimmer	ADUNITC	20	848 849 850
1/2	A14500IP67	67	845
3/5	A310500IP67	67	845

POWER SUPPLY UNITS Brom 3.0

350mA 3 LEDs

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1/2	A16350IP67	67	845
2/4	A312350IP67	67	845

500mA 3 LEDs

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/3	ACUNI020T1	20	844 845
2/3	A310500QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1	A14500IP67	67	845
2/3	A310500IP67	67	845

POWER SUPPLY UNITS Brom 4.0

350mA 6 LEDs

Max no. fixtures	PSU	IP	Page
1/2	ACUNI020T1	20	844 845
1/2	A312350QL	20	845
1/2 dimmer	ADUNITC	20	848 849 850
1	A16350IP67	67	845
1/2	A312350IP67	67	845

500mA 6 LEDs

Max no. fixtures	PSU	IP	Page
1	ACUNI020T1	20	844 845
1	A310500QL	20	845
1/2 dimmer	ADUNITC	20	848 849 850
1	A310500IP67	67	845

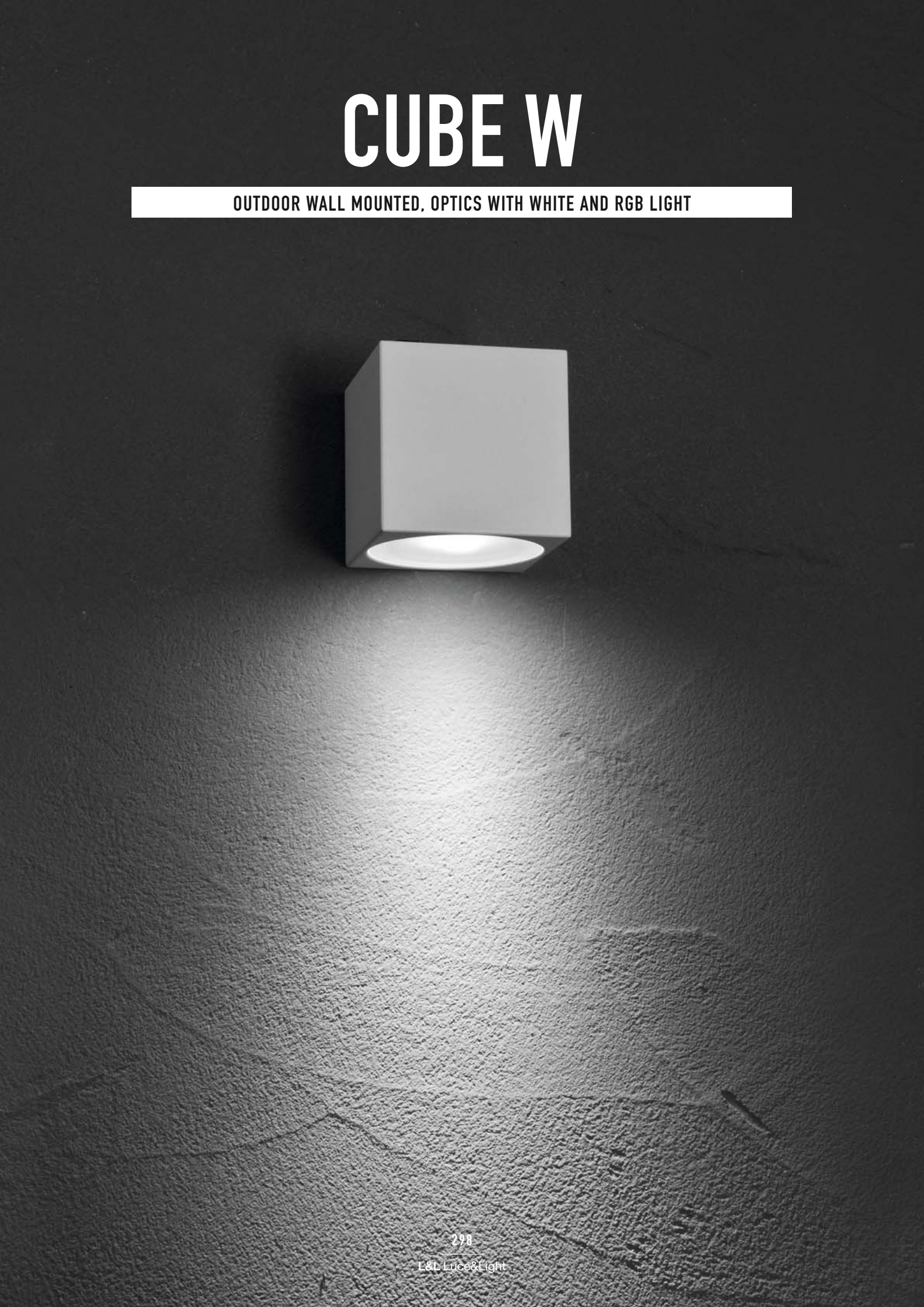
BROM 3.0 >
3000K, 6W, 12°
BROM 4.0
3000K, 12W, UP optics 12° / DOWN optics 12°

Project by / geom. Giuseppe Carannante
Villa Punta Pennata, Bacoli, Naples, Italy



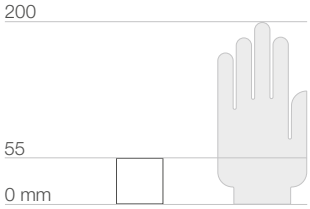
CUBE W

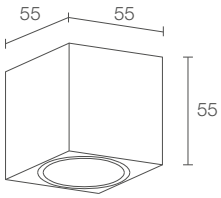
OUTDOOR WALL MOUNTED, OPTICS WITH WHITE AND RGB LIGHT





CUBE W 1.0





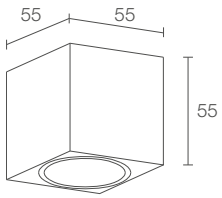


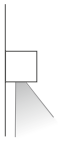
kg 0.40 IP54

A A+ A++

POWER / POWER SUPPLY CODE	max 6W max 500mA blue/white light **CU1032 E** White **CU1032 H** Anthracite **CU1032 T** Cor-ten max 3W max 350mA RGB light **CU1031 6 E** White **CU1031 6 H** Anthracite **CU1031 6 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 18° **M** - 28° **L** - 36°
LUMEN OUTPUT AT SOURCE	410 lm (3000K, 500mA) RGB: 197 lm, R: 62 lm G: 100 lm B: 35 lm (350mA)
DELIVERED LUMEN OUTPUT	337 lm (3000K, 500mA, 28°) RGB: 163 lm, R: 51 lm G: 83 lm B: 29 lm (350mA, 28°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in frosted plexiglass
POWER SUPPLY UNIT	not included, see p. 300 and 844
POWER CABLES	includes 2x0.30 m single-core cables
WIRING	series
MOUNTING	surface mounted (wall)
NOTES	ceiling-mounted version: Cube C 1.2, p. 313
PHOTOMETRIC DATA	see p. 753

CUBE W 1.1





kg 0.40 IP54

A A+ A++

	max 6W max 500mA blue/white light **CU1132 E** White **CU1132 H** Anthracite **CU1132 T** Cor-ten max 3W max 350mA RGB light **CU1131 6 E** White **CU1131 6 H** Anthracite **CU1131 6 T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	S - 18° tilted 20° **M** - 28° tilted 20° **L** - 36° tilted 20°
	410 lm (3000K, 500mA) RGB: 197 lm, R: 62 lm G: 100 lm B: 35 lm (350mA)
	295 lm (3000K, 500mA, 28°) RGB: 141 lm, R: 44 lm G: 72 lm B: 25 lm (350mA, 28°)
	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in frosted plexiglass
	not included, see p. 300 and 844
	includes 2x0.30 m single-core cables
	series
	surface mounted (wall)
	ceiling-mounted version: Cube C 1.3, p. 313
	see p. 753

CUBE W

POWER SUPPLY UNITS

POWER SUPPLY UNITS

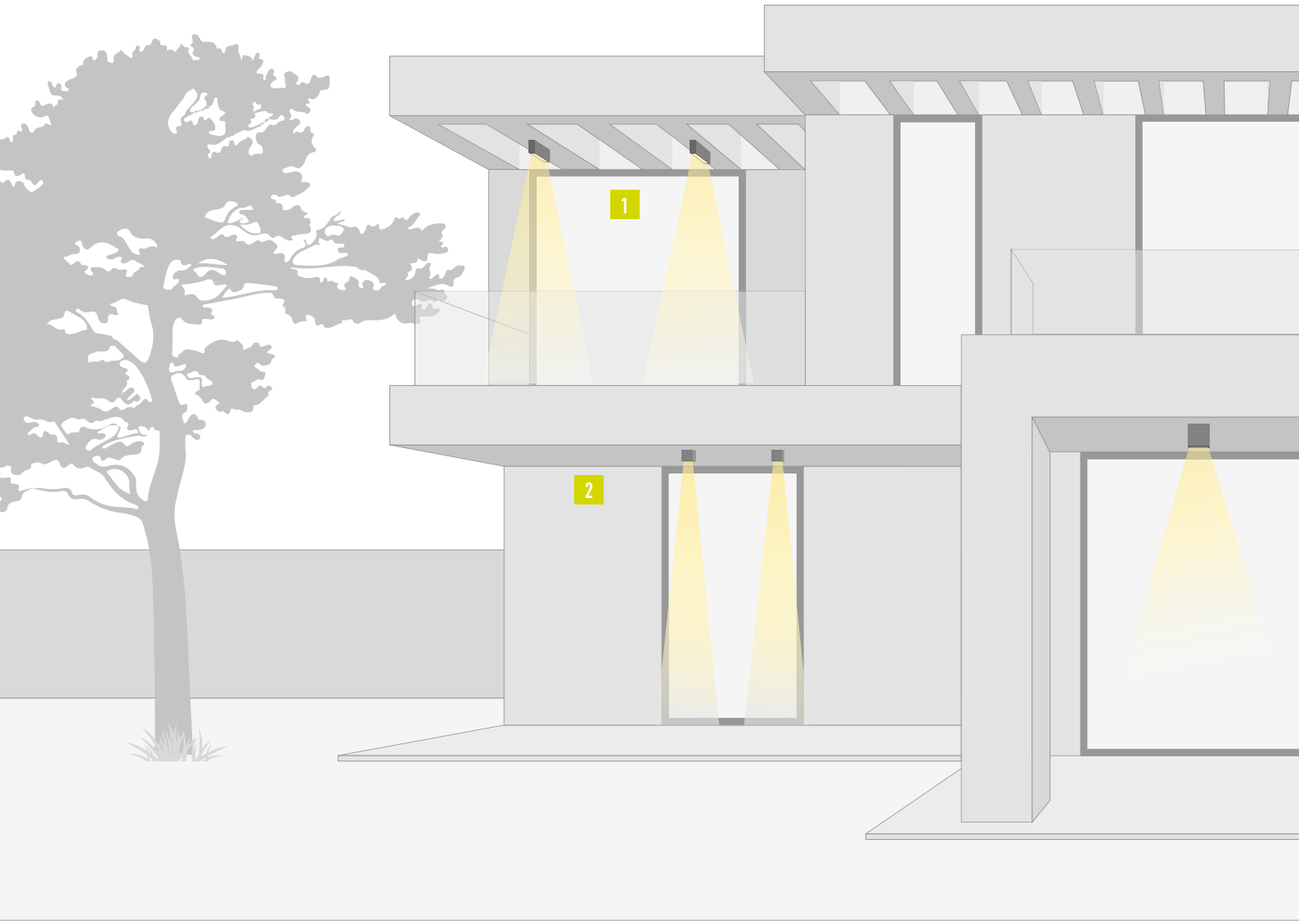
350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1/2	A16350IP67	67	845
2/4	A312350IP67	67	845
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/3	ACUNI020T1	20	844 845
2/3	A310500QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1	A14500IP67	67	845
2/3	A310500IP67	67	845

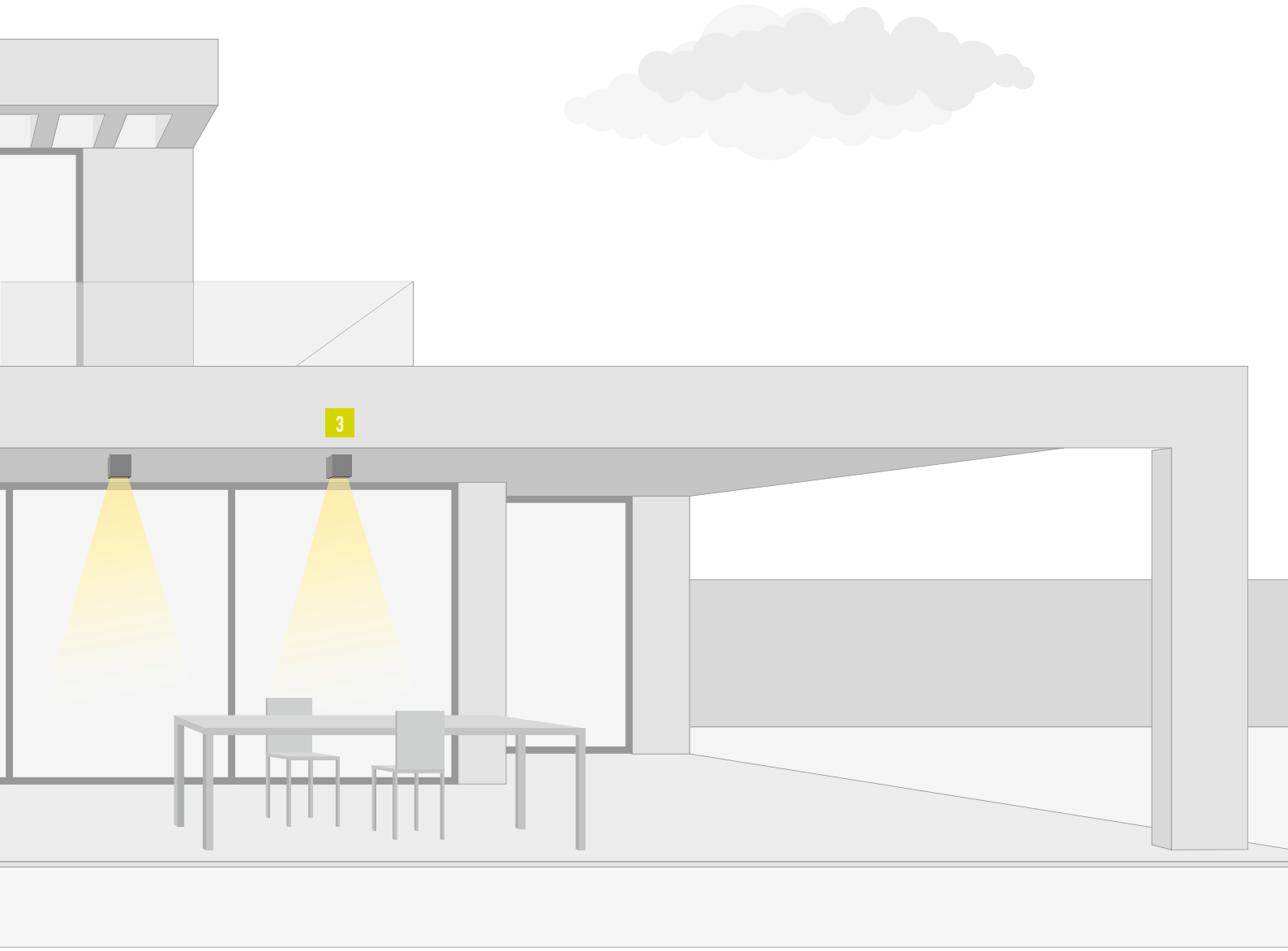




1 **ELLO OUT** p. 306 2 **CUBE C** p. 312 3 **TAK** p. 316

CEILING MOUNTED

FOR OUTDOOR APPLICATIONS





ELLO OUT

see p. 306

BEAM	DIFFUSE VERSION	•
	OPTICS VERSION	
LIGHT COLOUR		2700K 3000K 4000K
POWER		7–19W
POWER SUPPLY	CONSTANT CURRENT power supply unit not included	
	MAINS VOLTAGE built-in power supply unit	230Vac
IP		IP65
APPLIANCE CLASS		⏚





CUBE C see p. 312	TAK see p. 316
	•
•	•
2700K 3000K 4000K 5000K blue RGB	2700K 3000K 4000K
max 3W (RGB light) max 6W (white/blue light)	10–18W
max 350mA (RGB light) max 500mA (white/blue light)	
	230Vac
IP54	IP65
III	⏚



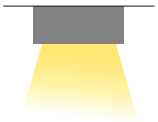
ELLO OUT

OUTDOOR CEILING MOUNTED WITH DIFFUSE LIGHT



diffuse

2700K 3000K 4000K

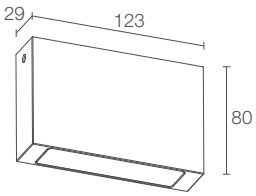
	OUTDOOR			INDOOR
CEILING MOUNTED	 **ELLO OUT 1.0** p. 308 7W 230Vac 493 lm (3000K)	 **ELLO OUT 2.0** p. 309 13W 230Vac 985 lm (3000K)	 **ELLO OUT 3.0** p. 309 19W 230Vac 1478 lm (3000K)	**ELLO IN** p. 620
				
WALL MOUNTED	ELLA OUT p. 278			ELLA IN p. 594

< ELLO OUT 2.0
3000K, 13W, anthracite

ELLO OUT



ELLO OUT 1.0



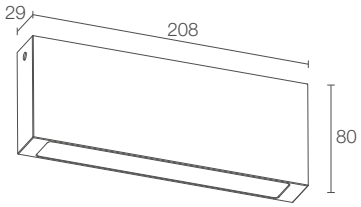
kg 0.40 IP65 IK08

A A+ A++

POWER / POWER SUPPLY **CODE**	7W 230Vac **EP1010 D E T** White **EP1010 D F T** Grey **EP1010 D H T** Anthracite **EP1010 D T T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	954 lm (3000K)
DELIVERED LUMEN OUTPUT	493 lm (3000K)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed extra-clear microprismatic glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
MOUNTING	surface mounted (ceiling)
ACCESSORIES	see p. 310
NOTES	indoor version: Ello IN 1.0, p. 622 wall-mounted version: Ella OUT 1.0, p. 280
PHOTOMETRIC DATA	see p. 759



ELLO OUT 2.0



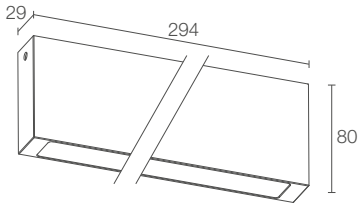
kg 0.80 IP65 IK08

A A+ A++

	13W 230Vac **EP2010 D E T** White **EP2010 D F T** Grey **EP2010 D H T** Anthracite **EP2010 D T T** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1908 lm (3000K)
	985 lm (3000K)
	36 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
	surface mounted (ceiling)
	see p. 310
	indoor version: Ello IN 2.0, p. 623 wall-mounted version: Ella OUT 2.0, p. 281
	see p. 759



ELLO OUT 3.0



kg 1.20 IP65 IK08

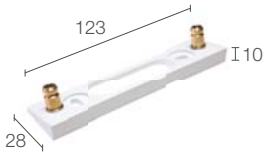
A A+ A++

	19W 230Vac **EP3010 D E T** White **EP3010 D F T** Grey **EP3010 D H T** Anthracite **EP3010 D T T** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	2862 lm (3000K)
	1478 lm (3000K)
	54 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
	surface mounted (ceiling)
	see p. 310
	indoor version: Ello IN 3.0, p. 623 wall-mounted version: Ella OUT 3.0, p. 281
	see p. 759

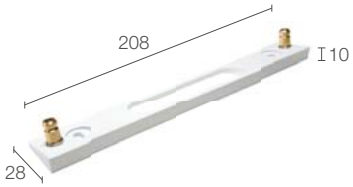
ELLO OUT

ACCESSORIES

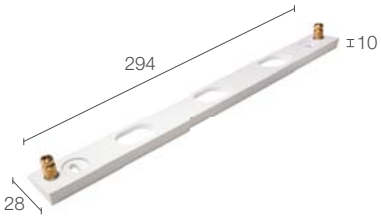
ACCESSORIES
FOR INSTALLATION



WD0651E - White
WD0651F - Grey
WD0651H - Anthracite
WD0651T - Cor-ten
Spacer for 15° inclination
RAL finish available on request
(Ello OUT 1.0)



WD0652E - White
WD0652F - Grey
WD0652H - Anthracite
WD0652T - Cor-ten
Spacer for 15° inclination
RAL finish available on request
(Ello OUT 2.0)



WD0653E - White
WD0653F - Grey
WD0653H - Anthracite
WD0653T - Cor-ten
Spacer for 15° inclination
RAL finish available on request
(Ello OUT 3.0)

v
ELLO OUT 1.0
with spacer (15° inclination)



STANDARD FINISHES


White

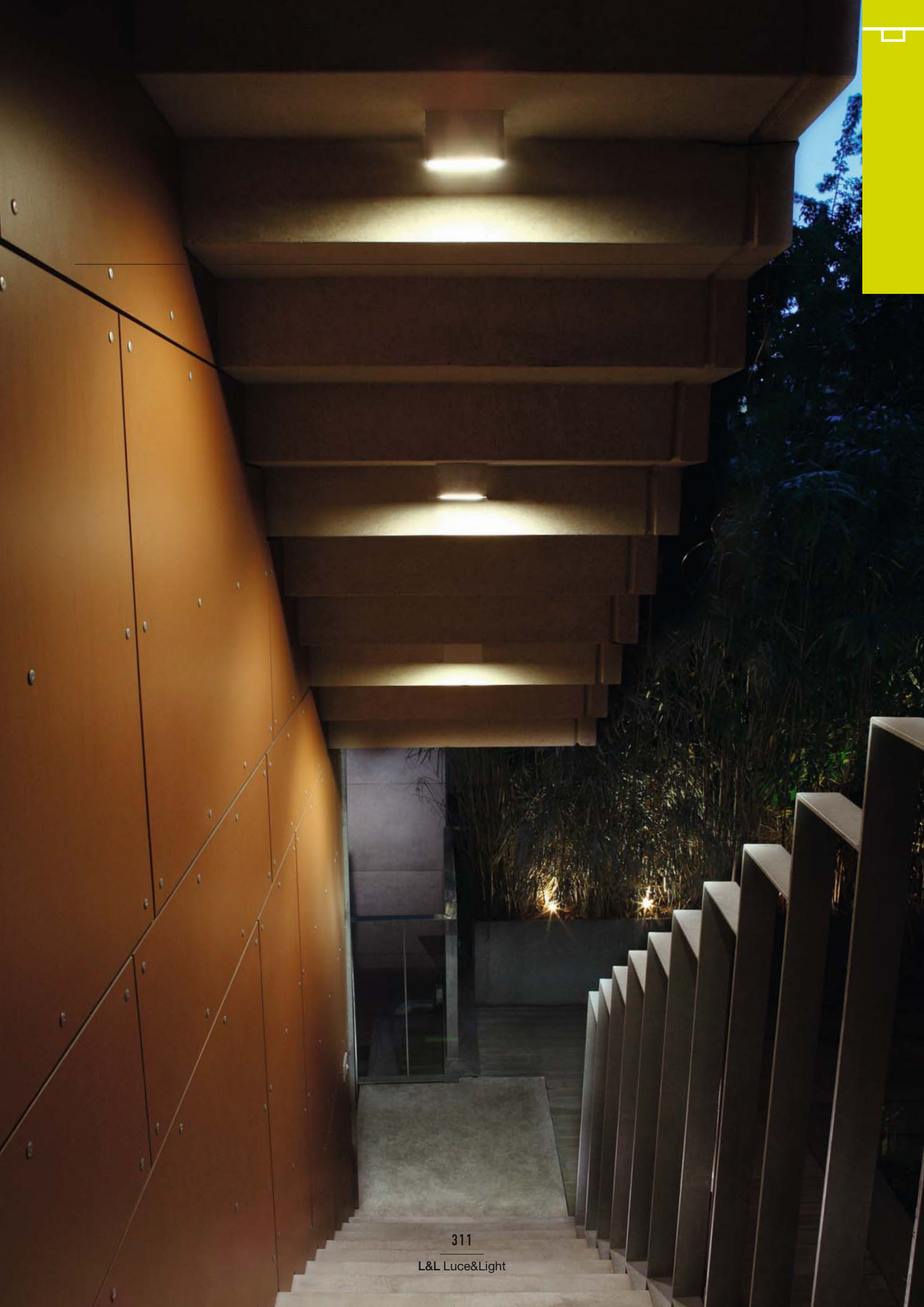

Grey


Anthracite


Cor-ten

ELLO OUT 2.0 >
3000K, 13W, white

Home/studio of architect Luca Salmoiraghi
Milan, Italy



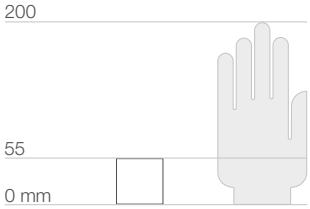
CUBE C

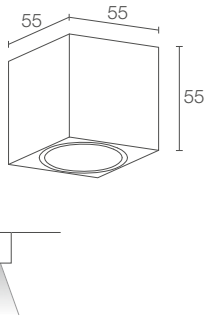
OUTDOOR CEILING MOUNTED, OPTICS WITH WHITE AND RGB LIGHT





CUBE C 1.2



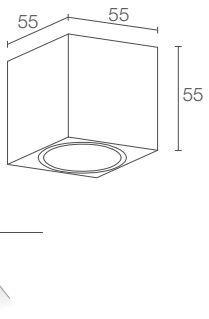


kg 0.40 IP54

A A+ A++

POWER / POWER SUPPLY CODE	max 6W max 500mA blue/white light **CU1232 E** White **CU1232 H** Anthracite **CU1232 T** Cor-ten max 3W max 350mA RGB light **CU1231 6 E** White **CU1231 6 H** Anthracite **CU1231 6 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 18° **M** - 28° **L** - 36°
LUMEN OUTPUT AT SOURCE	410 lm (3000K, 500mA) RGB: 197 lm, R: 62 lm G: 100 lm B: 35 lm (350mA)
DELIVERED LUMEN OUTPUT	337 lm (3000K, 500mA, 28°) RGB: 163 lm, R: 51 lm G: 83 lm B: 29 lm (350mA, 28°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in frosted plexiglass
POWER SUPPLY UNIT	not included, see p. 314 and 844
POWER CABLES	includes 2x0.30 m single-core cables
WIRING	series
MOUNTING	surface mounted (ceiling)
NOTES	wall-mounted version: Cube W 1.0, p. 299
PHOTOMETRIC DATA	see p. 753

CUBE C 1.3



kg 0.40 IP54

A A+ A++

	max 6W max 500mA blue/white light **CU1332 E** White **CU1332 H** Anthracite **CU1332 T** Cor-ten max 3W max 350mA RGB light **CU1331 6 E** White **CU1331 6 H** Anthracite **CU1331 6 T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	S - 18° tilted 20° **M** - 28° tilted 20° **L** - 36° tilted 20°
	410 lm (3000K, 500mA) RGB: 197 lm, R: 62 lm G: 100 lm B: 35 lm (350mA)
	295 lm (3000K, 500mA, 28°) RGB: 141 lm, R: 44 lm G: 72 lm B: 25 lm (350mA, 28°)
	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in frosted plexiglass
	not included, see p. 314 and 844
	includes 2x0.30 m single-core cables
	series
	surface mounted (ceiling)
	wall-mounted version: Cube W 1.1, p. 299
	see p. 753

CUBE C

POWER SUPPLY UNITS

POWER SUPPLY UNITS

350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1/2	A16350IP67	67	845
2/4	A312350IP67	67	845
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/3	ACUNI020T1	20	844 845
2/3	A310500QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
1	A14500IP67	67	845
2/3	A310500IP67	67	845



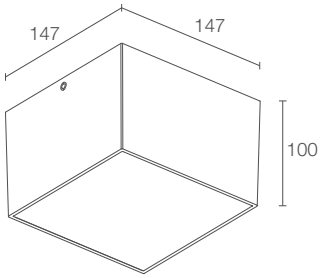
TAK

OUTDOOR CEILING MOUNTED, WITH DIFFUSE LIGHT OR OPTICS





TAK 1.0



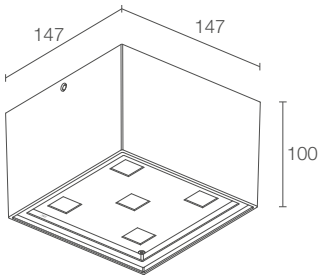
kg 2.36 IP65 IK06

A A+ A++

POWER / POWER SUPPLY **CODE**	18W 230Vac **TA1011 D E** White **TA1011 D F** Grey **TA1011 D H** Anthracite **TA1011 D T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	875 lm (3000K)
DELIVERED LUMEN OUTPUT	671 lm (3000K)
NO. AND TYPE OF LED	power LED matrix 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in sandblasted, tempered extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 0.30 m cable
MOUNTING	surface mounted (ceiling)
PHOTOMETRIC DATA	see p. 828



TAK 1.1



kg 2.36 IP65 IK06

A A+ A++ PID

	10W 230Vac **TA1110 E** White **TA1110 F** Grey **TA1110 H** Anthracite **TA1110 T** Cor-ten 18W 230Vac **TA1111 E** White **TA1111 F** Grey **TA1111 H** Anthracite **TA1111 T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K
	S - 10° **F** - 30° **K** - 70°
	727 lm (3000K, 10W) 1308 lm (3000K, 18W)
	495 lm (3000K, 30°, 10W) 883 lm (3000K, 30°, 18W)
	5, 9 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 0.30 m cable
	surface mounted (ceiling)
	see p. 828

< TAK 1.0
3000K, 18W, anthracite

SUSPENDED

FOR OUTDOOR APPLICATIONS

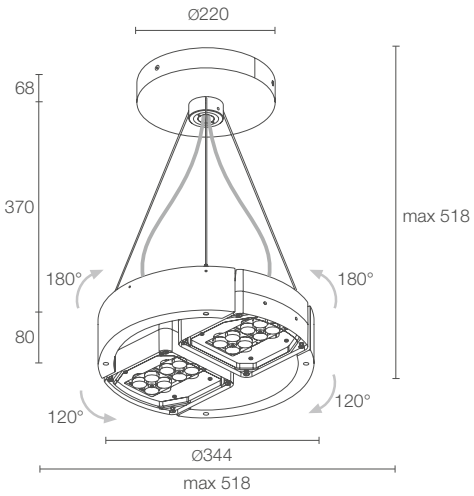


^
PALLADIANO 1.1
3000K, 76W, 145°x115°, copper

PALLADIANO

OUTDOOR SUSPENDED, WITH ADJUSTABLE DOUBLE BEAM





PALLADIANO 1.1

Optics not included, order in pairs

kg 8.80 IP66 IK10

A A+ A++ IPS PID SPD

POWER SUPPLY **CODE**	230Vac **PD111** ■■■■ **E** White **PD111** ■■■■ **H** Anthracite **PD111** ■■■■ **T** Cor-ten **PD111** ■■■■ **U** Copper
■ **POWER**	**0** - 76W **1** - 110W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **CONTROL SYSTEM**	**0** - 1-10V+PUSH **2** - virtual midnight **1** - DALI **3** - on/off Casambi on request
LUMEN OUTPUT AT SOURCE	7810 lm (3000K, 76W, CRI 80) 10512 lm (3000K, 110W, CRI 80)
DELIVERED LUMEN OUTPUT	4600 lm (3000K, 38°, 76W, CRI 80) 6400 lm (3000K, 38°, 110W, CRI 80)
NO. AND TYPE OF LED	16 high-intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium ceiling rose in steel screen in serigraphed transparent polycarbonate
POWER SUPPLY UNIT	built in
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00/1.00 Ø6.8 mm
MOUNTING	surface mounted (ceiling) with ceiling rose
ACCESSORIES	see p. 320
NOTES	Palladiano 1.0 p. 425 accessories available on request for mounting on a span wire
DESIGN BY	Francesco Iannone
PHOTOMETRIC DATA	see p. 794 and 795

PALLADIANO

ACCESSORIES

OPTICAL ACCESSORIES

WR0301 - 15°
WR0302 - 24°
WR0303 - 38°
WR0304 - 54°
WR0305 - 14°x56°
Optics

WR0306 - 153°x107°
WR0307 - 85°x85°
WR0308 - 130°x130°
WR0309 - 119°x92°
WR0310 - 158°x110°
WR0311 - 149°x106°
WR0312 - 160°x112°
WR0313 - 162°x116°
WR0314 - 165°x110°
WR0315 - 145°x115°
WR0316 - 110°x80°
WR0317 - 145°x120°
WR0318 - 135°x135°
WR0319 - 47°x47°
WR0320 - 90°x90°
Street optics

Palladiano 1.1 houses 2 optics, to be ordered in pairs

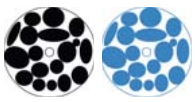
OPTICAL ACCESSORIES



WR0321 - Water
WR0322 - Blue water
Shadow-effect filter



WR0323 - Forest
WR0324 - Green forest
Shadow-effect filter



WR0325 - Rain
WR0326 - Blue rain
Shadow-effect filter



WR0327 - Leaves
WR0328 - Green leaves
Shadow-effect filter



WR0329 - Blurred
WR0330 - Orange blurred
Shadow-effect filter

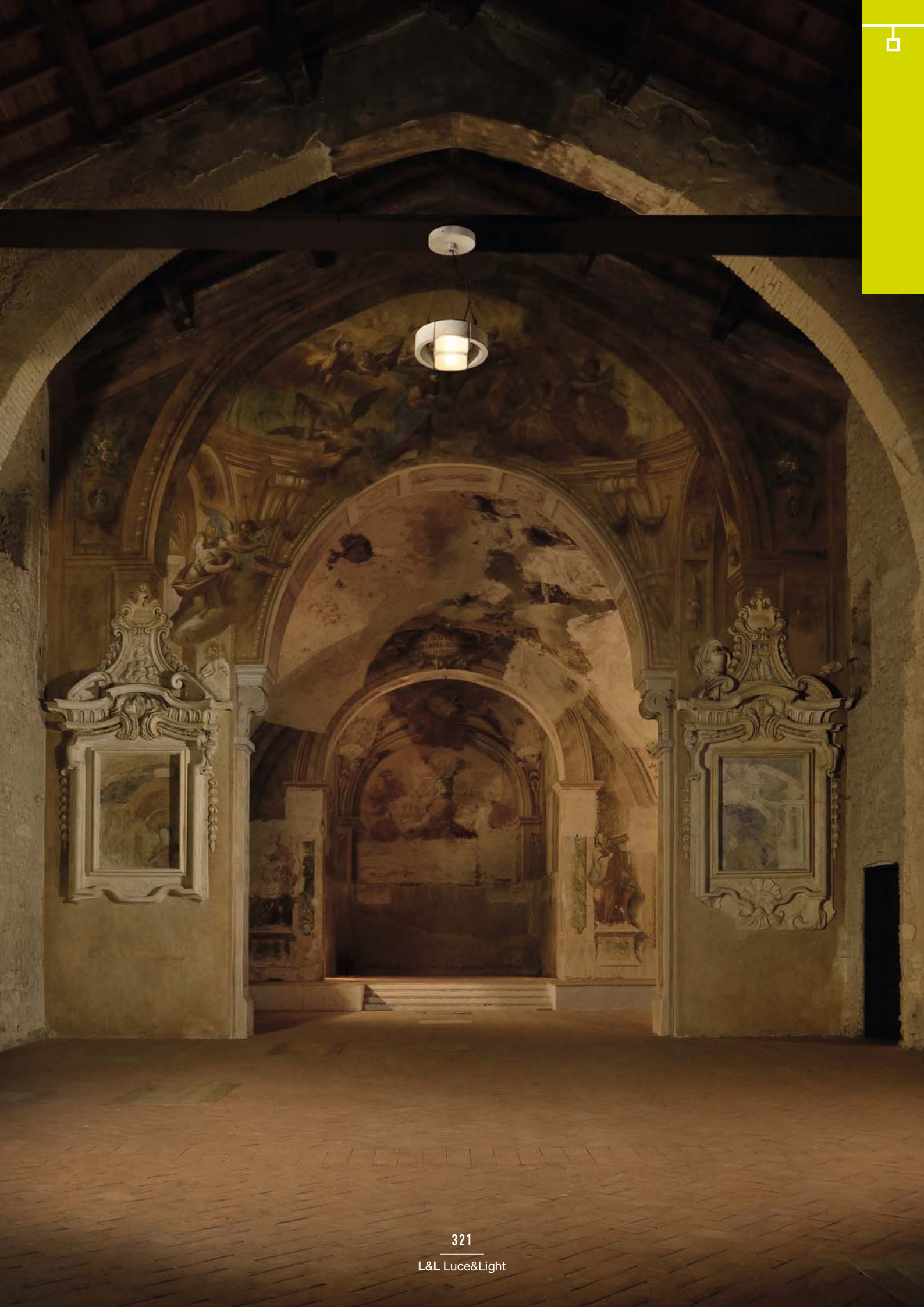


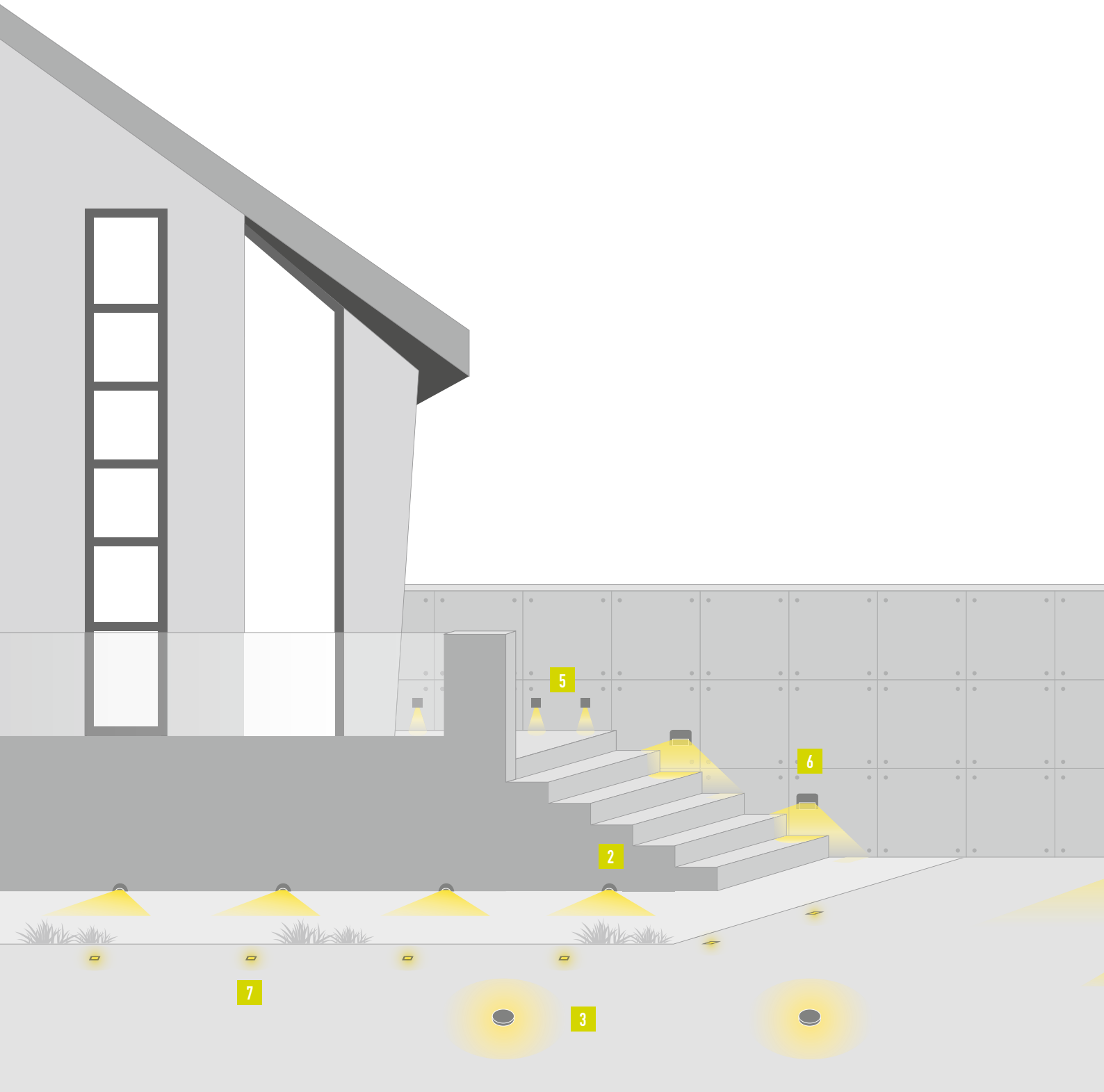
WR0331 - Path
WR0332 - Green path
Shadow-effect filter



WR0333 - Red
WR0334 - Green
WR0335 - Blue
Colour filter

Shadow-effect filter: order instead of optics
Colour filter: order in addition to the 15°, 24°, 38°, 54° and 14°x56° optics
Palladiano 1.1 houses 2 shadow-effect / colour filters, to be ordered in pairs





1 **RONDÒ** p. 326

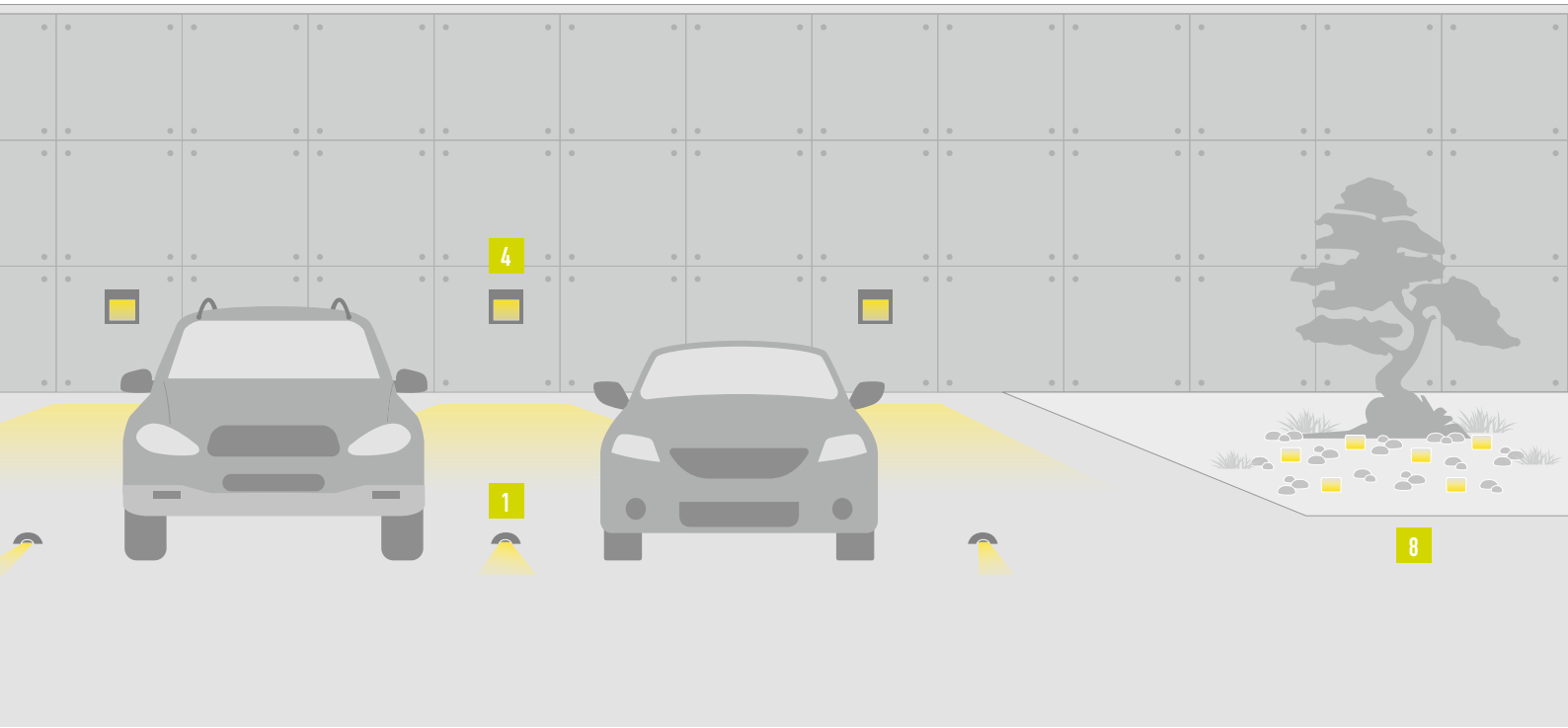
2 **BEAM** p. 336

3 **BRIGHT** p. 342

4 **PASITO** p. 350

STEP LIGHTS

FOR OUTDOOR APPLICATIONS



5 **STEP OUTSIDE** p. 360

6 **LIRA** p. 374

7 **GOCCIA** p. 378

8 **ICE LED** p. 384

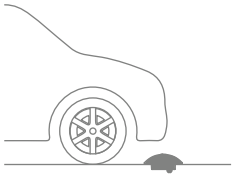
				
		RONDÒ see p. 326	**BEAM** see p. 336	**BRIGHT** see p. 342
INSTALLATION		small paths and car parks	walkways	orientation light
MOUNTING	RECESSED INSTALLATION			
	RECESSED INSTALLATION, FLUSH			
	RECESSED INSTALLATION, WITH FRAME			
	SEMI-RECESSED			
	SURFACE			
BEAM	DIFFUSE OPTICS			
	ROTATIONALLY SYMMETRICAL OPTICS			
	ASYMMETRICAL OPTICS			
	RADIAL OPTICS			
LUMINOUS INTENSITY				
LIGHT COLOUR		2700K 3000K 4000K	2700K 3000K 4000K 5000K blue	2700K 3000K 4000K blue
POWER SUPPLY	CONSTANT CURRENT power supply unit not included		max 350mA (double beam) max 500mA (single beam)	max 700mA
	CONSTANT VOLTAGE power supply unit not included	24Vdc	24Vdc	24Vdc
	MAINS VOLTAGE built-in power supply unit	230Vac		
IP		IP67	IP67	IP67 / IP68
APPLIANCE CLASS				

				
PASITO see p. 350	**STEP OUTSIDE** see p. 360	**LIRA** see p. 374	**GOCCIA** see p. 378	**ICE LED** see p. 384
pathways	orientation light and walkways	pathways and steps	orientation light	flowerbeds and gardens
			▬	▬
▮				
▮	▮			
	▮			
▮	▮	▮		▬
			•	•
	•			
•	•	•		
				
				
2700K 3000K 4000K	2700K 3000K 4000K 5000K blue	2700K 3000K 4000K	2700K 3000K 4000K blue RGB	2700K 3000K 4000K 5000K blue
	max 500mA		max 350mA (RGB light)	max 350mA
24Vdc	24Vdc		24Vdc (white/blue light)	
230Vac		230Vac		
IP65	IP54 / IP65	IP65	IP67	IP67
				



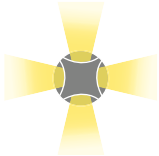
RONDÒ

OUTDOOR STEP LIGHTS
DRIVE-OVER FOR ORIENTATION LIGHTS IN PATHS AND PARKING AREAS





2700K 3000K 4000K

	Ø100 mm	Ø160 mm
SINGLE BEAM		
	 **RONDÒ 1.1** p. 330 2W 24Vdc	 **RONDÒ 3.1** p. 332 3W 24Vdc 3W 230Vac
	 **RONDÒ 2.1** p. 331 2W 24Vdc	
DOUBLE BEAM		
	 **RONDÒ 1.2** p. 331 4W 24Vdc	 **RONDÒ 3.2** p. 333 5W 24Vdc 5W 230Vac
4 BEAMS		
		 **RONDÒ 3.4** p. 333 8W 24Vdc 8W 230Vac

< **RONDÒ 3.4**
3000K, 8W, radial, micro-blasted stainless steel

BUILT-IN PROTECTION SYSTEMS:

PID PROTECTIVE IMPEDANCE DEVICE (RONDÒ 3)

IPS INTELLIGENT PROTECTION SYSTEM

CONTROLLED UPWARD BEAM AVOIDS LIGHT POLLUTION

TAMPER-RESISTANT SCREW IN AISI 316L STAINLESS STEEL IN THE SAME FINISH AS THE FIXTURE



5-STEP MATERIAL PROTECTION, AND OXIDATION AND CORROSION RESISTANCE

Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with Qualicoat automotive coating standard
Salt spray tested (over 1000 hours)

IK08

RONDÒ

UNIQUE SELLING POINTS

RAL FINISH
ON REQUEST

DRIVE-OVER
UP TO 5000 KG

BODY IN AISI 316L
STAINLESS STEEL, MADE
ENTIRELY ON A CNC LATHE



SCREEN IN
ANTI-UV
POLYCARBONATE

10° OPTICS



RADIAL OPTICS



DOUBLE-BEAM
RADIAL OPTICS

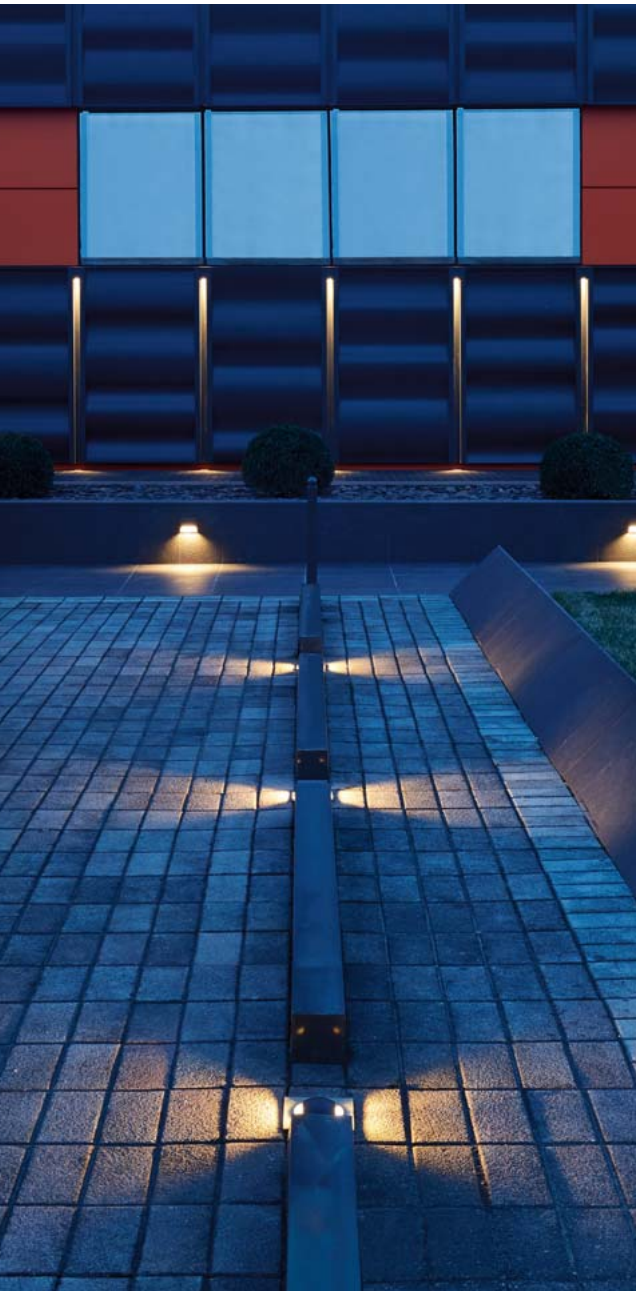


RONDÒ 1 / 2

v

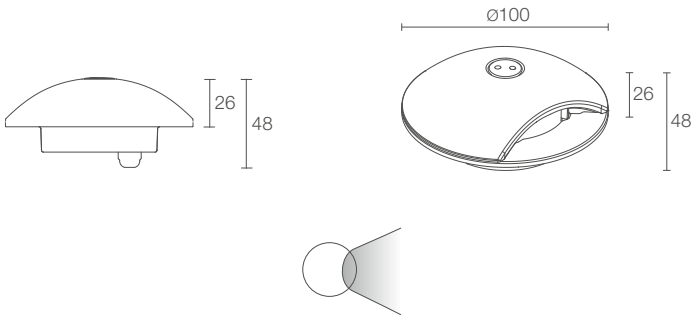
RONDÒ 1.2
3000K, 4W, radial, micro-blasted stainless steel
LIRA 1.0
3000K, 6W, asymmetrical, anthracite
UPDOWN 3.6
3000K, 6W, 15°, anodized grey

Project by / arch. Patrik Spreafico
Plastic Stratosfera, Robbiate, Lecco, Italy





RONDÒ 1.1



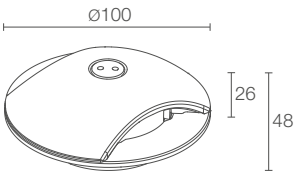
kg 5000 kg 0.60 IP67 IK08

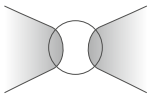
A A+ A++ IPS T max 45°C

POWER / POWER SUPPLY	2W 24Vdc
CODE	**RD1100 H -** Anthracite **RD1100 I -** Micro-blasted stainless steel **RD1100 T -** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 10° **A** - radial
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	185 lm (3000K)
DELIVERED LUMEN OUTPUT	65 lm (3000K, radial optics)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in AISI 316L stainless steel screen in Rilsan® Clear
POWER SUPPLY UNIT	not included, see p. 334
MOUNTING	recessed (ground)
ACCESSORIES	see p. 334
PHOTOMETRIC DATA	see p. 806



RONDÒ 1.2





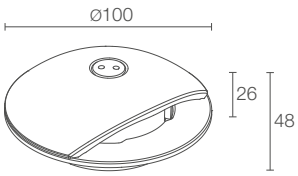
kg 5000 kg 0.60 IP67 IK08

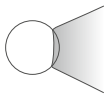
A A+ A++ IPS T max 45°C

	4W 24Vdc **RD1200** ■ ■ **H -** ■ Anthracite **RD1200** ■ ■ **I -** ■ Micro-blasted stainless steel **RD1200** ■ ■ **T -** ■ Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 10° **A** - radial
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	185 lm (3000K) per beam
	65 lm (3000K, radial optics) per beam
	2 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body in AISI 316L stainless steel screen in Rilsan® Clear
	not included, see p. 334
	recessed (ground)
	see p. 334
	see p. 806



RONDÒ 2.1





kg 5000 kg 0.73 IP67 IK08

A A+ A++ IPS T max 45°C

	2W 24Vdc **RD2100** ■ ■ **H -** ■ Anthracite **RD2100** ■ ■ **I -** ■ Micro-blasted stainless steel **RD2100** ■ ■ **T -** ■ Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 10° **A** - radial
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	185 lm (3000K)
	85 lm (3000K, radial optics)
	1 power LED 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body in AISI 316L stainless steel screen in Rilsan® Clear
	not included, see p. 334
	recessed (ground)
	see p. 334
	see p. 806

RONDÒ 3

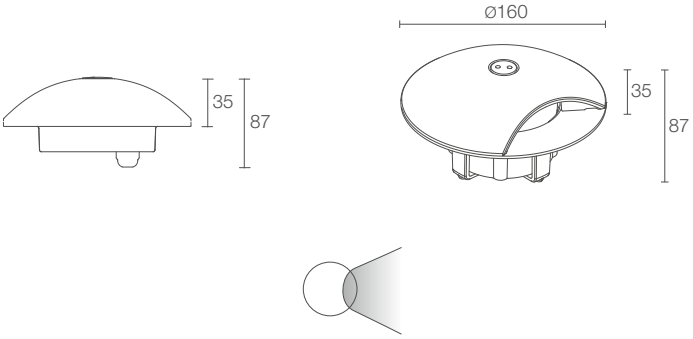
v
RONDÒ 3.4
3000K, 8W, radial, micro-blasted stainless steel

Light planning by / Cristian Turra
Private residence, Iseo, Brescia, Italy





RONDÒ 3.1



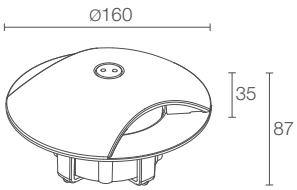
Built-in power supply in version with 230Vac power

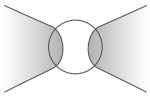
CE LED TECH 24Vdc kg 5000 kg 1.98 IP67 IK08
A A+ A++ IPS PID T max 45°C

POWER / POWER SUPPLY CODE	3W 24Vdc **RD3100 H -** Anthracite **RD3100 I -** Micro-blasted stainless steel **RD3100 T -** Cor-ten 3W 230Vac **RD3110 H** Anthracite **RD3110 I** Micro-blasted stainless steel **RD3110 T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 10° **A** - radial
POWER CABLES	230Vac: includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø8.7 mm 24Vdc: includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	185 lm (3000K)
DELIVERED LUMEN OUTPUT	90 lm (3000K, radial optics)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in AISI 316L stainless steel screen in Rilsan® Clear
POWER SUPPLY UNIT	230Vac: built in 24Vdc: not included, see p. 334
MOUNTING	recessed (ground)
ACCESSORIES	see p. 334
PHOTOMETRIC DATA	see p. 806



RONDÒ 3.2



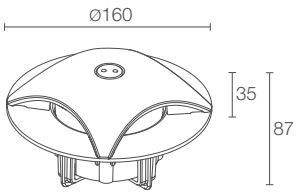


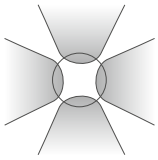
Built-in power supply in version with 230Vac power

CE LED TECH III 24Vdc kg 5000 kg 1.80 IP67 IK08
A A+ A++ IPS PID T max 45°C

	5W 24Vdc **RD3200** **H** - Anthracite **RD3200** **I** - Micro-blasted stainless steel **RD3200** **T** - Cor-ten 5W 230Vac **RD3210** **H** Anthracite **RD3210** **I** Micro-blasted stainless steel **RD3210** **T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K
	S - 10° **A** - radial
	230Vac: includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø8.7 mm 24Vdc: includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	185 lm (3000K) per beam
	90 lm (3000K, radial optics) per beam
	2 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body in AISI 316L stainless steel screen in Rilsan® Clear
	230Vac: built in 24Vdc: not included, see p. 334
	recessed (ground)
	see p. 334
	see p. 806

RONDÒ 3.4





Built-in power supply in version with 230Vac power

CE LED TECH III 24Vdc kg 5000 kg 1.92 IP67 IK08
A A+ A++ IPS PID T max 45°C

	8W 24Vdc **RD3400** **H** Anthracite **RD3400** **I** Micro-blasted stainless steel **RD3400** **T** Cor-ten 8W 230Vac **RD3410** **H** Anthracite **RD3410** **I** Micro-blasted stainless steel **RD3410** **T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K
	S - 10° **A** - radial
	230Vac: includes 1.5 m neoprene cable H07RN-F 3x1.00 Ø8.7 mm 24Vdc: includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
	185 lm (3000K) per beam
	90 lm (3000K, radial optics) per beam
	4 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body in AISI 316L stainless steel screen in Rilsan® Clear
	230Vac: built in 24Vdc: not included, see p. 334
	recessed (ground)
	see p. 334
	see p. 806

RONDÒ

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0100
Outer casing
(Rondò 1.1 / 1.2 / 2.1)



WC0103
Outer casing
(Rondò 1.1 / 1.2 / 2.1)



WC0150
Outer casing
(Rondò 1.1 / 1.2 / 2.1)



WC0601
Outer casing
(Rondò 3.1 / 3.2 / 3.4)



WC0701
Outer casing
(Rondò 3.1 / 3.2 / 3.4)

for spare parts, see p. 866

POWER CABLES Rondò 1.1 / 1.2 / 2.1; Rondò 3.1 / 3.2 24Vdc version

the choice of power cable is included in the configuration
of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

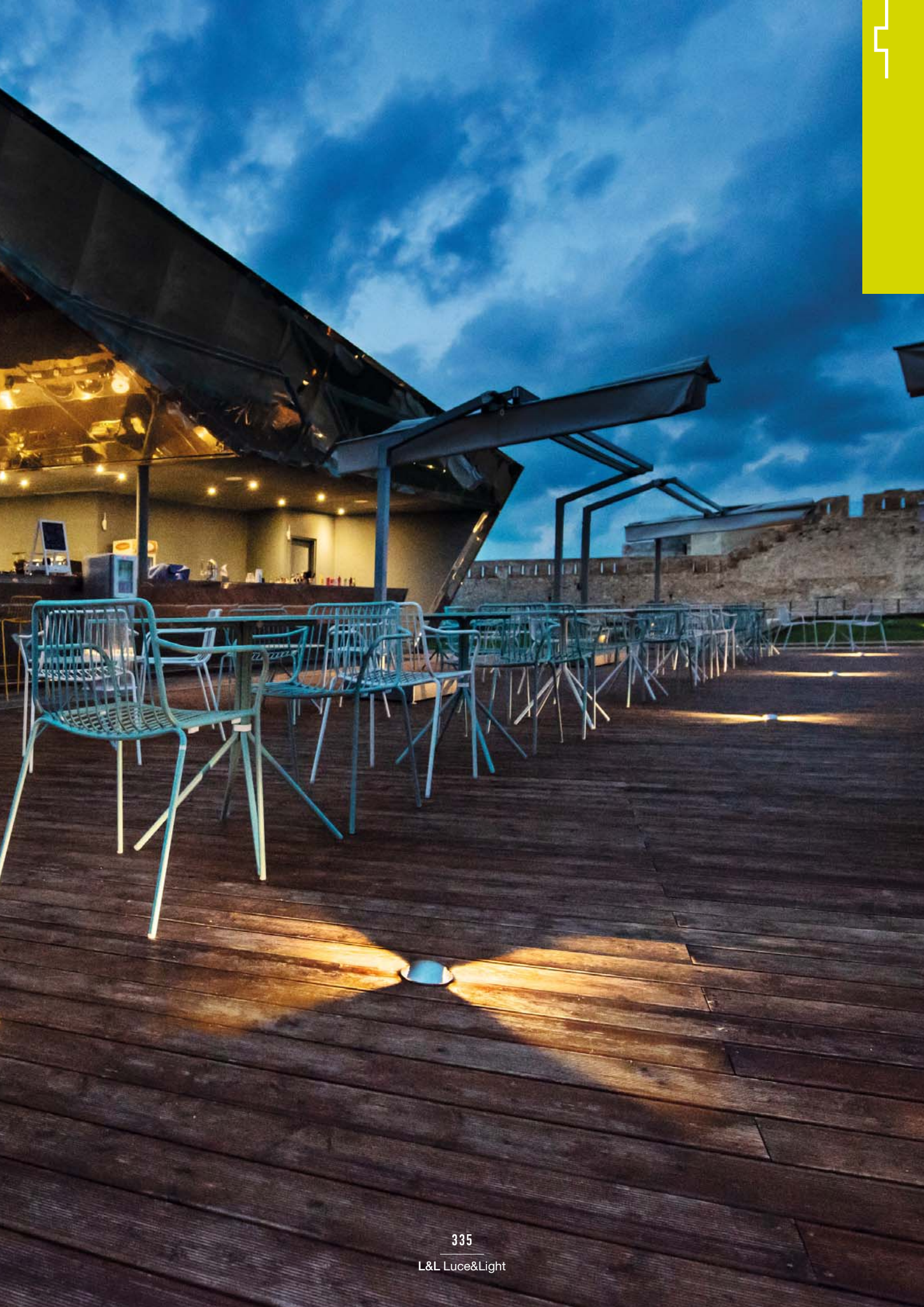
Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

POWER SUPPLY UNITS Rondò 1.1 / 1.2 / 2.1; Rondò 3.1 / 3.2 / 3.4 24Vdc version

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

RONDÒ 1.2 >
3000K, 4W, radial, micro-blasted stainless steel

Project by / Studio di Architettura Andrea Abbadessa,
ing. Ignazio Stancanelli, ing. Giuseppe Malatino
Light planning by / Light Style
Maniace-Ortigia, Syracuse, Italy





BEAM

OUTDOOR STEP LIGHTS
WALKWAY LIGHTING

2700K 3000K 4000K 5000K blue

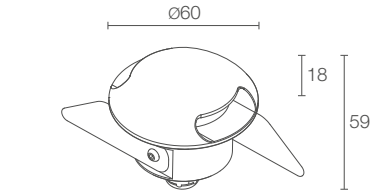
	CONSTANT CURRENT	CONSTANT VOLTAGE
RADIAL OPTICS ROUND COVER	 **BEAM 2.0** p. 338 single beam: max 2W max 500mA double beam: max 2W max 350mA	 **BEAM 2.6** p. 339 single beam, double beam: 2W 24Vdc
RADIAL OPTICS SQUARE COVER	 **BEAM 2.1** p. 338 single beam: max 2W max 500mA double beam: max 2W max 350mA	 **BEAM 2.7** p. 339 single beam, double beam: 2W 24Vdc

< **BEAM 2.6**
3000K, 2W, double beam, stainless steel

BEAM 2



BEAM 2.0





Ø 80 mm
H 100 mm

Ø 45 mm

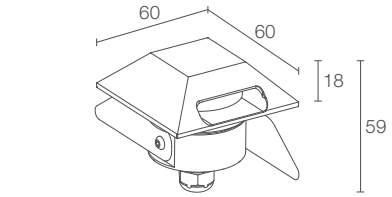
kg 0.47 l
kg 0.25 A

IP67 IK09

A A+ A++ IPS T max 60°C



BEAM 2.1





Ø 80 mm
H 100 mm

Ø 45 mm

kg 0.47 l
kg 0.25 A

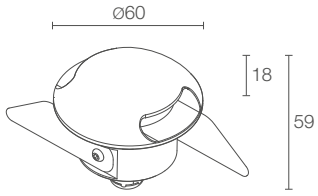
IP67 IK09

A A+ A++ IPS T max 60°C

POWER / POWER SUPPLY **CODE**	**max 2W max 500mA single beam** **CD2012 D A I -** Stainless steel **CD2012 D A F -** Grey **CD2012 D A H -** Anthracite **max 2W max 350mA double beam** **CD2021 D A I -** Stainless steel **CD2021 D A F -** Grey **CD2021 D A H -** Anthracite	**max 2W max 500mA single beam** **CD2112 D A I -** Stainless steel **CD2112 D A F -** Grey **CD2112 D A H -** Anthracite **max 2W max 350mA double beam** **CD2121 D A I -** Stainless steel **CD2121 D A F -** Grey **CD2121 D A H -** Anthracite
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	radial	radial
LUMEN OUTPUT AT SOURCE	single beam: 145 lm (3000K, 500mA) double beam: 112 lm (3000K, 350mA) per beam	single beam: 145 lm (3000K, 500mA) double beam: 112 lm (3000K, 350mA) per beam
DELIVERED LUMEN OUTPUT	single beam: 70 lm (3000K, 500mA) double beam: 51 lm (3000K, 350mA) per beam	single beam: 70 lm (3000K, 500mA) double beam: 51 lm (3000K, 350mA) per beam
NO. AND TYPE OF LED	single beam: 1 power LED double beam: 2 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	single beam: 1 power LED double beam: 2 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in stainless steel or anodized aluminium trim in stainless steel or aluminium screen in sandblasted plexiglass	body in stainless steel or anodized aluminium trim in stainless steel or aluminium screen in sandblasted plexiglass
POWER SUPPLY UNIT	not included, see p. 341 and 844	not included, see p. 341 and 844
WIRING	series	series
MOUNTING	recessed (wall, ground)	recessed (wall, ground)
ACCESSORIES	see p. 340	see p. 340
PHOTOMETRIC DATA	see p. 725	see p. 725



BEAM 2.6





Ø 80 mm
H 100 mm

Ø 45 mm

kg 0.47 I
kg 0.25 A

IP67 IK09

A A+ A++ IPS T max 60°C

2W 24Vdc single beam
CD2612 D I - Stainless steel
CD2612 D F - Grey
CD2612 D H - Anthracite

2W 24Vdc double beam
CD2621 D I - Stainless steel
CD2621 D F - Grey
CD2621 D H - Anthracite

F - 2700K
5 - 3000K
9 - 4000K
0 - 5000K
1 - blue

includes 1.5 m neoprene cable
H05RN-F 2x0.35/0.75 Ø6.3 mm
1 - 5 m
2 - 10 m
3 - 15 m
4 - 20 m

radial

single beam: 145 lm (3000K)
double beam: 112 lm (3000K) per beam

single beam: 70 lm (3000K)
double beam: 51 lm (3000K) per beam

single beam: 1 power LED
double beam: 2 power LEDs
1/4 ANSI BIN (white LED colour)
50000h L90 B10 (Ta 25°C)

body in stainless steel or anodized aluminium
trim in stainless steel or aluminium
screen in sandblasted plexiglass

not included, see p. 341

parallel

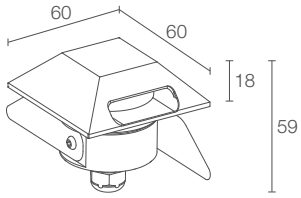
recessed (wall, ground)

see p. 340

see p. 725



BEAM 2.7





Ø 80 mm
H 100 mm

Ø 45 mm

kg 0.47 I
kg 0.25 A

IP67 IK09

A A+ A++ IPS T max 60°C

2W 24Vdc single beam
CD2712 D I - Stainless steel
CD2712 D F - Grey
CD2712 D H - Anthracite

2W 24Vdc double beam
CD2721 D I - Stainless steel
CD2721 D F - Grey
CD2721 D H - Anthracite

F - 2700K
5 - 3000K
9 - 4000K
0 - 5000K
1 - blue

includes 1.5 m neoprene cable
H05RN-F 2x0.35/0.75 Ø6.3 mm
1 - 5 m
2 - 10 m
3 - 15 m
4 - 20 m

radial

single beam: 145 lm (3000K)
double beam: 112 lm (3000K) per beam

single beam: 70 lm (3000K)
double beam: 51 lm (3000K) per beam

single beam: 1 power LED
double beam: 2 power LEDs
1/4 ANSI BIN (white LED colour)
50000h L90 B10 (Ta 25°C)

body in stainless steel or anodized aluminium
trim in stainless steel or aluminium
screen in sandblasted plexiglass

not included, see p. 341

parallel

recessed (wall, ground)

see p. 340

see p. 725

BEAM

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC1501

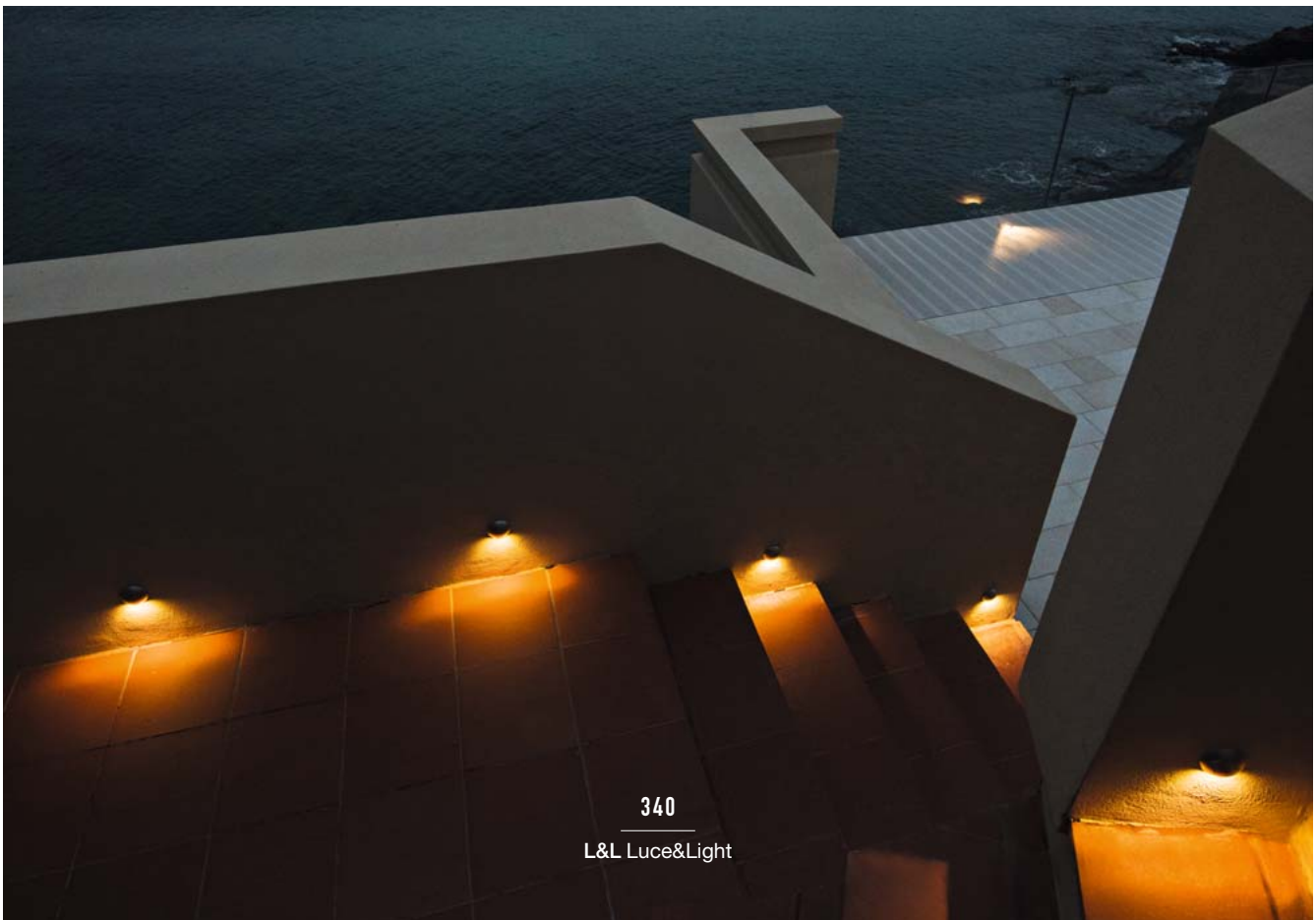
Outer casing for solid walls

POWER CABLES

the choice of power cable is included in the configuration of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS



POWER SUPPLY UNITS Beam 2.0 / 2.1

350mA single beam

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA single beam

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

350mA double beam

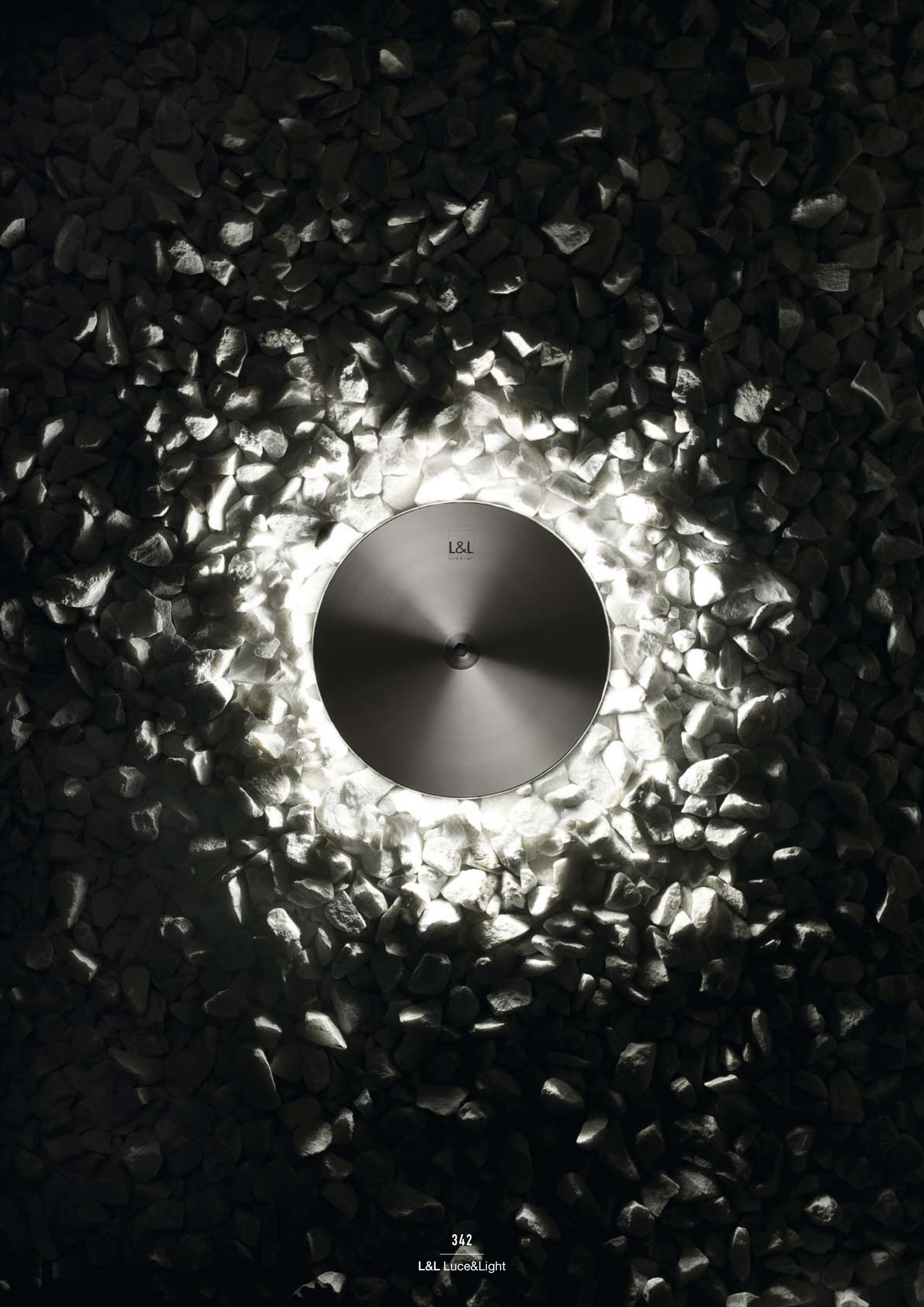
Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/7	ACUNI020T1	20	844 845
3/4	A19350QL	20	845
3/6	A312350QL	20	845
1/6 dimmer	ADUNITC	20	848 849 850
1/3	A16350IP67	67	845
3/6	A312350IP67	67	845

POWER SUPPLY UNITS Beam 2.6 / 2.7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

< **BEAM 2.0**
3000K, 2W, single beam, stainless steel

Project by / arch. Fernanda Cantone
Light planning by / Light Style
Castello Tafuri Charming Suites
Portopalo di Capo Passero, Syracuse, Italy


L&L

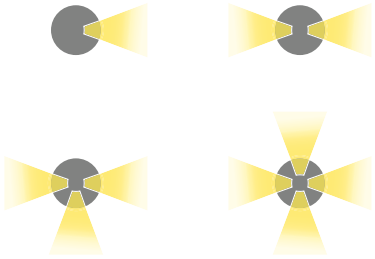
BRIGHT

OUTDOOR STEP LIGHTS
ORIENTATION LIGHT

RADIAL OPTICS

2700K 3000K 4000K blue

Ø39 mm





BRIGHT 1.A p. 344
max 2W max 700mA
constant current



BRIGHT 1.B p. 344
2.5W / 3.5W 24Vdc
constant voltage

Ø78 mm





BRIGHT 4.7 p. 347
2W 24Vdc
constant voltage

Ø130 mm



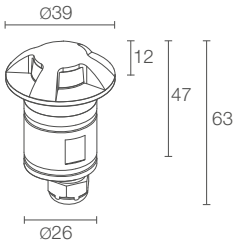


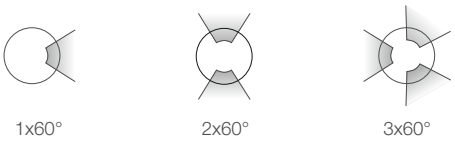
BRIGHT 9.7 p. 347
4W 24Vdc
constant voltage

BRIGHT 1



BRIGHT 1.A



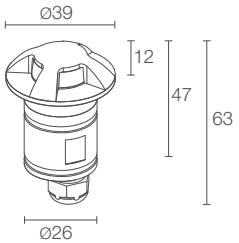


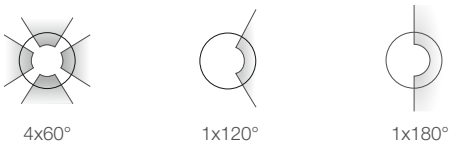
Ø 80 mm
H 100 mm

Ø 30 mm

CE LED TECH kg 0.20 IP67 IK10
A A+ A++ IPS T max 50°C

BRIGHT 1.B





Ø 80 mm
H 100 mm

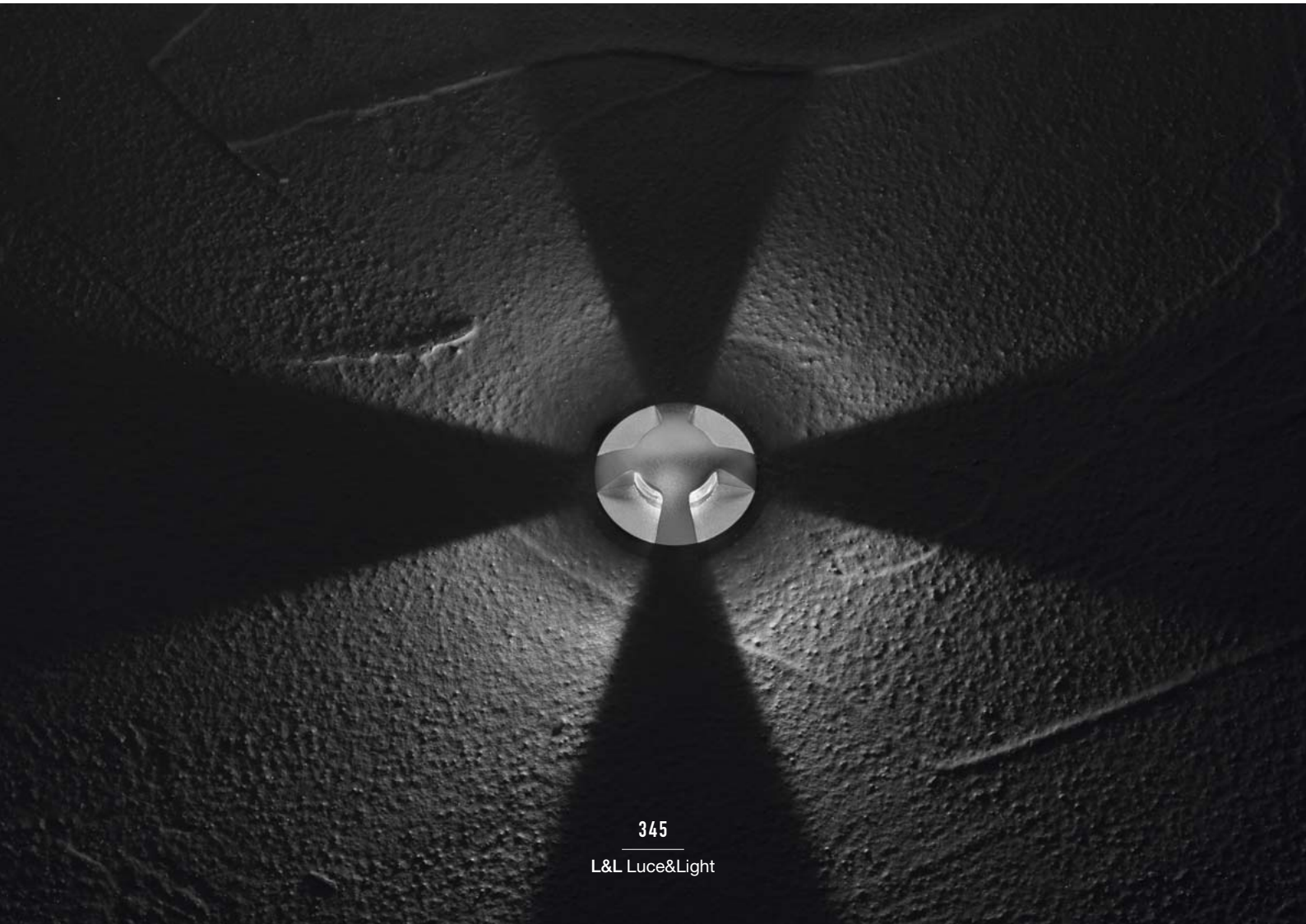
Ø 30 mm

CE LED TECH kg 0.20 IP67 IK10
A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY	**max 2W max 700mA**	**2.5W 24Vdc**
CODE	**CB1A130** ■ ■ **T I -** ■ Micro-blasted stainless steel	**CB1B000** ■ ■ **T I -** ■ Micro-blasted stainless steel **3.5W 24Vdc** **CB1B010** ■ ■ **T I -** ■ Micro-blasted stainless steel
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue	■ **F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
■ **BEAMS**	**R1** - 1x60° **R2** - 2x60° **R3** - 3x60° **R4** - 4x60° **R5** - 1x120° **R6** - 1x180°	■ **R1** - 1x60° **R2** - 2x60° **R3** - 3x60° **R4** - 4x60° **R5** - 1x120° **R6** - 1x180°
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m	■ includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	radial	radial
LUMEN OUTPUT AT SOURCE	220 lm (3000K, 700mA)	220 lm (3000K, 3.5W)
DELIVERED LUMEN OUTPUT	56 lm (3000K, 700mA, 4x60°)	56 lm (3000K, 4x60°, 3.5W)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel	body and trim in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 349 and 844	not included, see p. 349
WIRING	series	parallel
MOUNTING	recessed (ceiling, wall, ground)	recessed (ceiling, wall, ground)
ACCESSORIES	see p. 348	see p. 348
PHOTOMETRIC DATA	see p. 737	see p. 737

BRIGHT 1.B >
4000K, 2.5W, 4°x60°



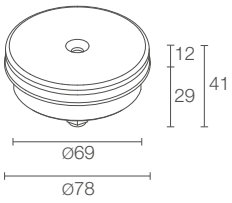




BRIGHT 4 / 9



BRIGHT 4.7



Required outer casing, not included

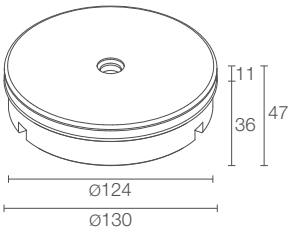
kg 2000 kg 0.40 IP68 IK09

A A+ A++ IPS T max 45°C

POWER / POWER SUPPLY **CODE**	2W 24Vdc **CB47000** ■ **R I -** ■
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	radial
LUMEN OUTPUT AT SOURCE	96 lm (3000K)
DELIVERED LUMEN OUTPUT	70 lm (3000K)
NO. AND TYPE OF LED	24 side-emitting LEDs 3-step MacAdam (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in AISI 316L stainless steel screen in PMMA
POWER SUPPLY UNIT	not included, see p. 349
MOUNTING	recessed (ground)
ACCESSORIES	see p. 348
NOTES	not suitable for use in swimming pools or fountains underwater fixtures p. 682 tamper-resistant kit available on request
PHOTOMETRIC DATA	see p. 737



BRIGHT 9.7



Required outer casing, not included

kg 2000 kg 1.21 IP67 IK09

A A+ A++ IPS T max 45°C

	4W 24Vdc **CB97000** ■ **R I -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
■	includes 1.5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	radial
	192 lm (3000K)
	164 lm (3000K)
	48 side-emitting LEDs 3-step MacAdam (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in AISI 316L stainless steel screen in PMMA
	not included, see p. 349
	recessed (ground)
	see p. 348
	tamper-resistant kit available on request
	see p. 737

< **BRIGHT 9.7**
customized version
5000K, 9W

Project by / Dunsky Gindi
Light planning by / Ailon Gavish Studio Twilight
Photo by / Omri Amsalem
Villa, Caesarea, Israel

BRIGHT

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0202
Outer casing for solid walls
(Bright 1.A / 1.B)



WC0100
Outer casing
(Bright 4.7)



WC0103
Outer casing
(Bright 4.7)



WC0150
Outer casing
(Bright 4.7)



WC0501
Outer casing
(Bright 9.7)



WC0601
Outer casing
(Bright 9.7)



WC0701
Outer casing
(Bright 9.7)

POWER CABLES

the choice of power cable is included in the configuration of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

POWER SUPPLY UNITS Bright 1.A

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

700mA

Max no. fixtures	PSU	IP	Page
1/3	A13700QL	20	845
1/7 dimmer	ADUNITC	20	848 849 850
1/7	ACUNI020T1	20	844 845
1/3	A13700IP67	67	845
1/9	A39700IP67	67	845

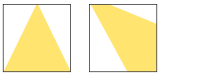
POWER SUPPLY UNITS Bright 1.B / 4.7 / 9.7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847



PASITO

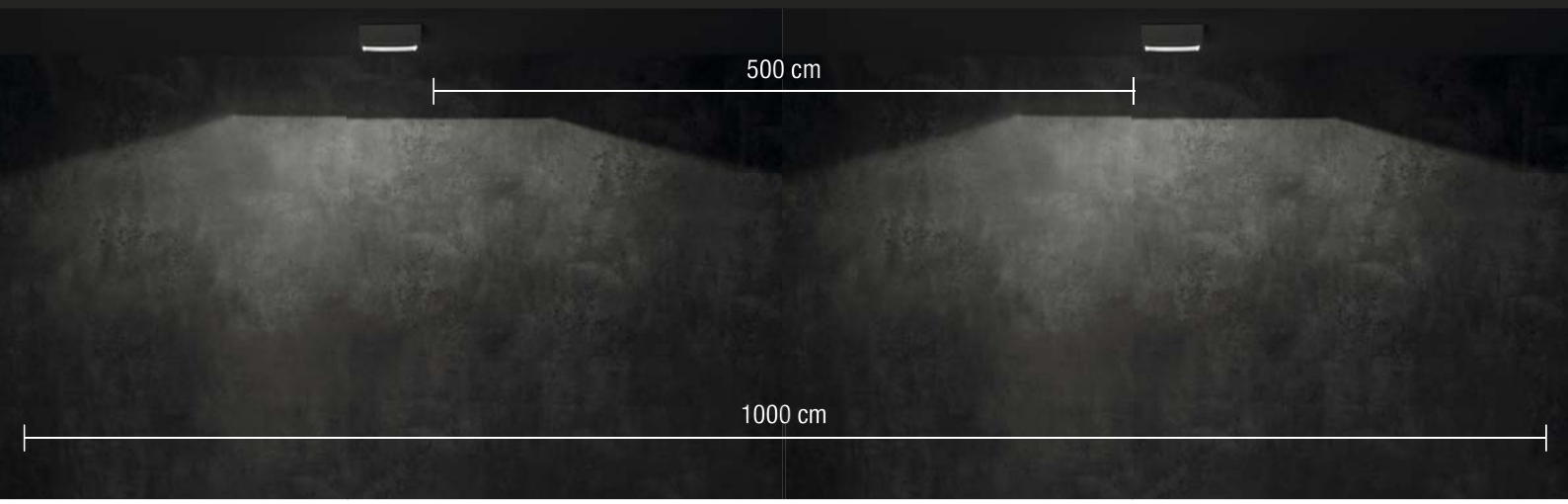
OUTDOOR STEP LIGHTS
WIDE SPACING BETWEEN FIXTURES ON PATHS


wide asymmetrical

2700K 3000K 4000K

	6W 230Vac 5W 24Vdc	8W/10W 230Vac 6W/8.5W 24Vdc
RECESSED, FLUSH		
	 **PASITO MINI 1.0** p. 354	 **PASITO 1.0** p. 356
RECESSED, WITH FRAME		
	 **PASITO MINI 1.1** p. 355	 **PASITO 1.1** p. 357
SURFACE MOUNTED		
	 **PASITO MINI 1.2** p. 355	 **PASITO 1.2** p. 357

< **PASITO 1.2**
3000K, 8W, asymmetrical 150°x90°, grey



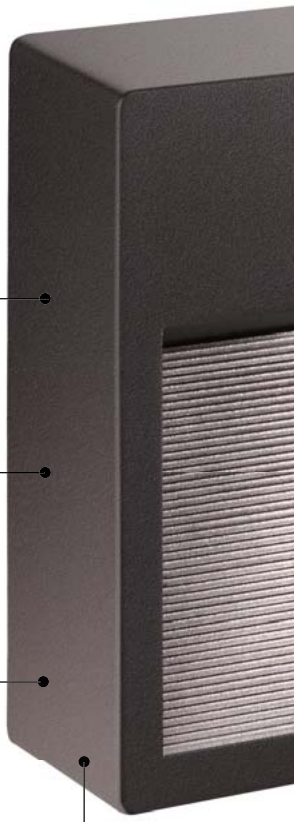
THE 150°X90° ASYMMETRICAL OPTICS MEAN THE
FIXTURES CAN BE POSITIONED 5 METRES APART:
THIS REDUCES THE NUMBER OF STEP LIGHTS NEEDED
TO GUARANTEE LIGHT UNIFORMITY ON LONG PATHWAYS.
INSTALLATION HEIGHT 80 CM.

GERMAN DESIGN AWARD SPECIAL 2018



RECESSED
INSTALLATION, FLUSH:
PASITO DISAPPEARS
INTO THE WALL,
LEAVING ONLY ITS
LIGHT OUTPUT VISIBLE.

PASITO MINI 1.1 AND PASITO 1.1
CAN BE INSTALLED ON PLASTERBOARD
USING THE SPRINGS PROVIDED,
WITHOUT THE NEED FOR AN OUTER CASING



IP65

IP65
SUITABLE FOR OUTDOOR APPLICATIONS



RAL FINISH
ON REQUEST

RECESSED
INSTALLATION,
WITH FRAME

IPS

BUILT-IN PROTECTION SYSTEMS:
IPS
INTELLIGENT PROTECTION SYSTEM



6-STEP MATERIAL PROTECTION,
AND OXIDATION AND
CORROSION RESISTANCE

Low-copper-content anticorodal aluminium alloy 6060
Preparation for painting with ALODINE NT-E® coating
Epoxy paint
Polyester paint
Paints compliant with Qualicoat automotive coating standard
Salt spray tested (over 1500 hours)

SURFACE
INSTALLATION

PASITO

UNIQUE SELLING POINTS



ANTHRACITE



WHITE



COR-TEN



GREY



IK05 PASITO MINI 1.0

IK06 PASITO MINI 1.1 / 1.2

IK07 PASITO 1.0

IK06 PASITO 1.1 / 1.2

THE CONTROLLED DOWNWARD BEAM REDUCES LIGHT SPILL TO A MINIMUM

CRI 80 AND CRI >90 VERSIONS



PASITO IS AVAILABLE WITH A BUILT-IN 230VAC POWER SUPPLY SO THAT THE FIXTURE CAN BE CONNECTED DIRECTLY TO THE MAINS POWER WITHOUT THE NEED FOR REMOTE DRIVERS

BODY IN LOW-COPPER-CONTENT ANTICORODAL 6060 ALUMINIUM FOR EXCELLENT RESISTANCE TO CORROSION AND BETTER HEAT DISSIPATION. (PASITO MINI 1.0 AND PASITO 1.0)
BODY IN TECHNOPOLYMER FOR HIGH RESISTANCE TO IMPACT AND SUB-ZERO TEMPERATURES (PASITO MINI 1.1 / 1.2 AND PASITO 1.1 / 1.2)
THE HEAT SINK IN BLACK ANODIZED ALUMINIUM OPTIMIZES HEAT DISSIPATION AND GUARANTEES THE LONG LIFE OF THE LED LIGHT SOURCE

PASITO MINI

v
PASITO MINI 1.0
recessed installation, flush
PASITO MINI 1.1
recessed installation, with frame
PASITO MINI 1.2
surface installation

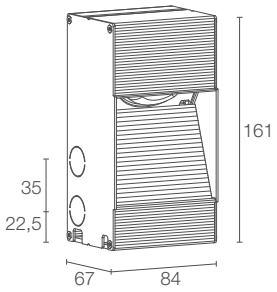








PASITO MINI 1.0



Power supply unit included in the 230Vac version

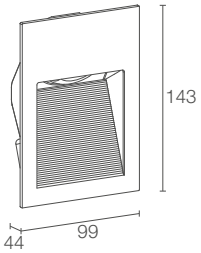
Required outer casing, not included

kg 0.35 (230Vac)
kg 0.30 (24Vdc)
IP65 IK05

POWER / POWER SUPPLY **CODE**	6W 230Vac **PM1010 000 0 E** White **PM1010 000 0 F** Grey **PM1010 000 0 H** Anthracite **PM1010 000 0 T** Cor-ten 5W 24Vdc **PM1000 000 0 E** White **PM1000 000 0 F** Grey **PM1000 000 0 H** Anthracite **PM1000 000 0 T** Cor-ten
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**A** - asymmetrical, 150°x90° **B** - 60°
LUMEN OUTPUT AT SOURCE	383 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	214 lm (3000K, 150°x90°, CRI 80, white finish)
NO. AND TYPE OF LED	1 high-intensity power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium
POWER SUPPLY UNIT	230Vac: included 24Vdc: not included, see p. 847
POWER CABLES	230Vac: includes 0.20 m neoprene cable H05RN-F 2x1.00 Ø7.0 mm 24Vdc: includes 0.30 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
MOUNTING	**recessed, flush (wall)**
ACCESSORIES	see p. 358
PHOTOMETRIC DATA	see p. 796



PASITO MINI 1.1



Power supply unit included in the 230Vac version

85x125 mm

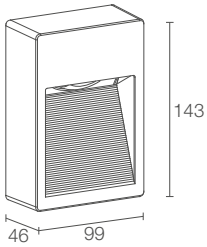
CE LED TECH 230Vac 24Vdc kg 0.30 IP65 IK06

A A+ A++ IPS

	6W 230Vac **PM1110** **E** White **PM1110** **F** Grey **PM1110** **H** Anthracite **PM1110** **T** Cor-ten 5W 24Vdc **PM1100** **E** White **PM1100** **F** Grey **PM1100** **H** Anthracite **PM1100** **T** Cor-ten
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	A - asymmetrical, 150°x90° **B** - 60°
	383 lm (3000K, CRI 80)
	214 lm (3000K, 150°x90°, CRI 80, white finish)
	1 high-intensity power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in technopolymer and aluminium
	230Vac: included 24Vdc: not included, see p. 847
	230Vac: includes 0.20 m neoprene cable H05RN-F 2x1.00 Ø7.0 mm 24Vdc: includes 0.30 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
	recessed, with frame (wall)
	see p. 358
	see p. 796



PASITO MINI 1.2



Power supply unit included in the 230Vac version

CE LED TECH 230Vac 24Vdc kg 0.40 IP65 IK06

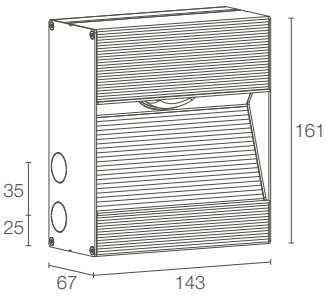
A A+ A++ IPS

	6W 230Vac **PM1210** **E** White **PM1210** **F** Grey **PM1210** **H** Anthracite **PM1210** **T** Cor-ten 5W 24Vdc **PM1200** **E** White **PM1200** **F** Grey **PM1200** **H** Anthracite **PM1200** **T** Cor-ten
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	A - asymmetrical, 150°x90° **B** - 60°
	383 lm (3000K, CRI 80)
	214 lm (3000K, 150°x90°, CRI 80, white finish)
	1 high-intensity power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in technopolymer and aluminium
	230Vac: included 24Vdc: not included, see p. 847
	230Vac: includes 0.20 m neoprene cable H05RN-F 2x1.00 Ø7.0 mm 24Vdc: includes 0.30 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
	surface mounted (wall)
	none
	see p. 796

PASITO



PASITO 1.0



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Power supply unit included in the 230Vac version

Required outer casing, not included

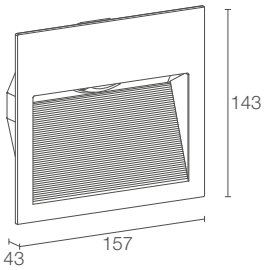
CE LED TECH 230Vac 24Vdc kg 0.49 IP65 IK07

A A+ A++ IPS

POWER / POWER SUPPLY **CODE**	10W 230Vac **PA1010** ■ ■ ■ **E** White **PA1010** ■ ■ ■ **F** Grey **PA1010** ■ ■ ■ **H** Anthracite **PA1010** ■ ■ ■ **T** Cor-ten 8.5W 24Vdc **PA1000** ■ ■ ■ **E** White **PA1000** ■ ■ ■ **F** Grey **PA1000** ■ ■ ■ **H** Anthracite **PA1000** ■ ■ ■ **T** Cor-ten
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**A** - asymmetrical, 150°x90° **B** - 60°
LUMEN OUTPUT AT SOURCE	851 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	390 lm (3000K, 150°x90°, CRI 80, white finish)
NO. AND TYPE OF LED	1 high-intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium
POWER SUPPLY UNIT	230Vac: included 24Vdc: not included, see p. 847
POWER CABLES	230Vac: includes 0.20 m neoprene cable H05RN-F 2x1.00 Ø7.0 mm 24Vdc: includes 0.30 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
MOUNTING	**recessed, flush (wall)**
ACCESSORIES	see p. 358
PHOTOMETRIC DATA	see p. 796 and 797



PASITO 1.1



Power supply unit included in the 230Vac version

143x125 mm

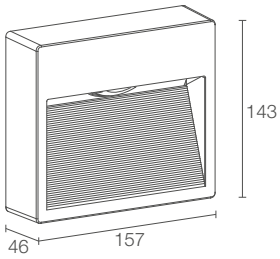
CE LED TECH 230Vac 24Vdc kg 0.46 IP65 IK06

A A+ A++ IPS

	8W 230Vac **PA1110** **E** White **PA1110** **F** Grey **PA1110** **H** Anthracite **PA1110** **T** Cor-ten 6W 24Vdc **PA1100** **E** White **PA1100** **F** Grey **PA1100** **H** Anthracite **PA1100** **T** Cor-ten
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	A - asymmetrical, 150°x90° **B** - 60°
	851 lm (3000K, CRI 80)
	364 lm (3000K, 150°x90°, CRI 80, white finish)
	1 high-intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in technopolymer and aluminium
	230Vac: included 24Vdc: not included, see p. 847
	230Vac: includes 0.20 m neoprene cable H05RN-F 2x1.00 Ø7.0 mm 24Vdc: includes 0.30 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
	recessed, with frame (wall)
	see p. 358
	see p. 797



PASITO 1.2



Power supply unit included in the 230Vac version

CE LED TECH 230Vac 24Vdc kg 0.60 IP65 IK06

A A+ A++ IPS

	8W 230Vac **PA1210** **E** White **PA1210** **F** Grey **PA1210** **H** Anthracite **PA1210** **T** Cor-ten 6W 24Vdc **PA1200** **E** White **PA1200** **F** Grey **PA1200** **H** Anthracite **PA1200** **T** Cor-ten
	0 - CRI 80 **1** - CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	A - asymmetrical, 150°x90° **B** - 60°
	851 lm (3000K, CRI 80)
	364 lm (3000K, 150°x90°, CRI 80, white finish)
	1 high-intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in technopolymer and aluminium
	230Vac: included 24Vdc: not included, see p. 847
	230Vac: includes 0.20 m neoprene cable H05RN-F 2x1.00 Ø7.0 mm 24Vdc: includes 0.30 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm
	surface mounted (wall)
	none
	see p. 797

PASITO

ACCESSORIES

ACCESSORIES FOR INSTALLATION



WC1420
Outer casing for solid walls
(Pasito Mini 1.1)



WC1430
Outer casing for solid walls
(Pasito 1.1)

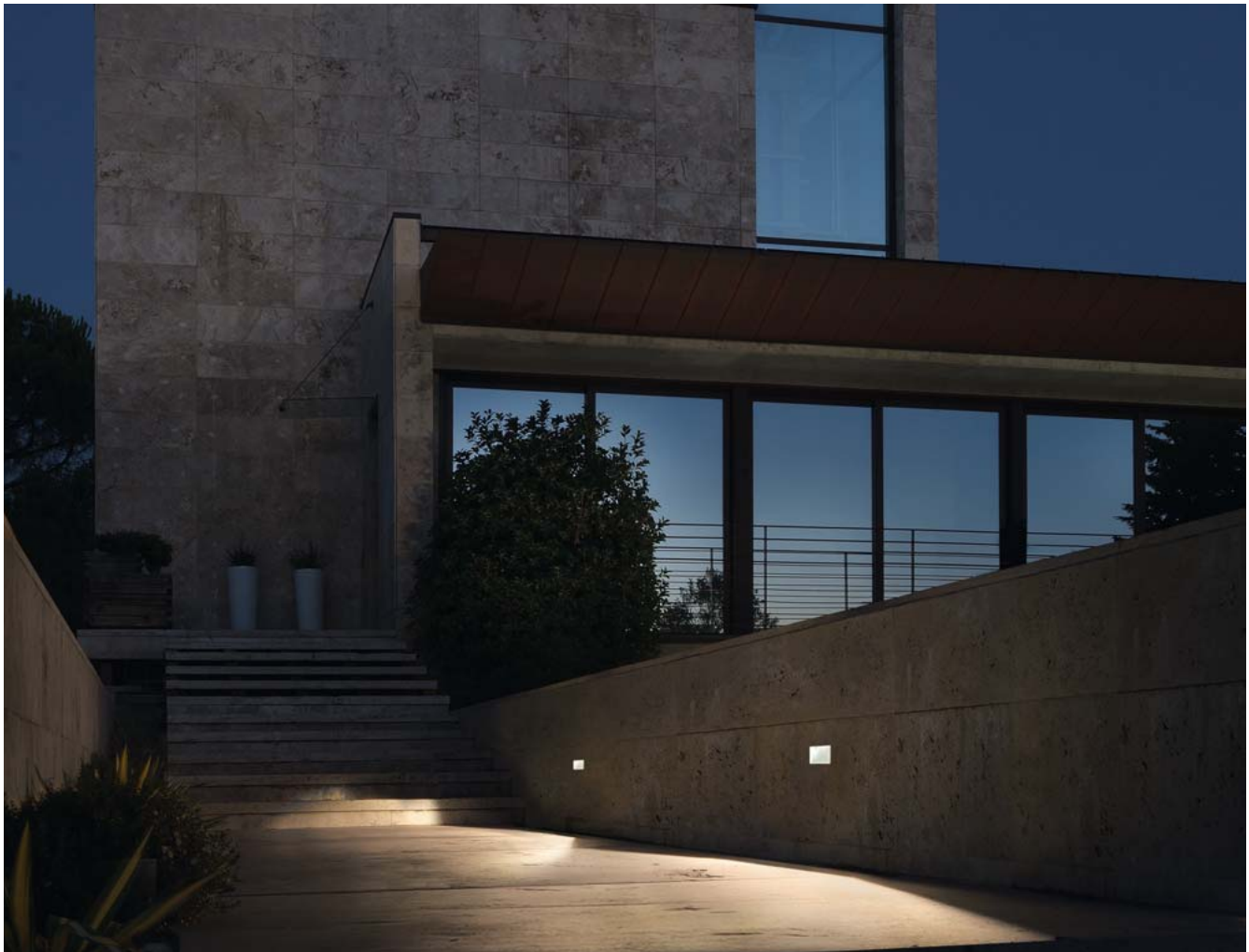


WCA00E - White
WCA00F - Grey
WCA00H - Anthracite
WCA00T - Cor-ten
Outer casing
(Pasito Mini 1.0)



WC1410E - White
WC1410F - Grey
WC1410H - Anthracite
WC1410T - Cor-ten
Outer casing
(Pasito 1.0)

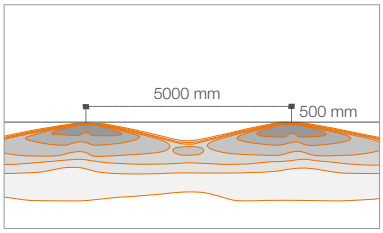
PASITO 1.0
3000K, 10W, asymmetrical 150°x90°
grey, distance between fixtures: 3.5 m



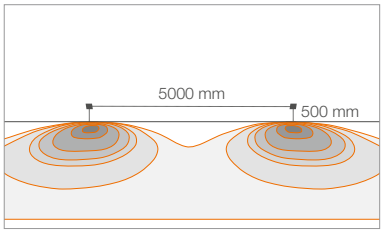
POSITIONING DIAGRAMS

PASITO MINI 1.0 / 1.1 / 1.2

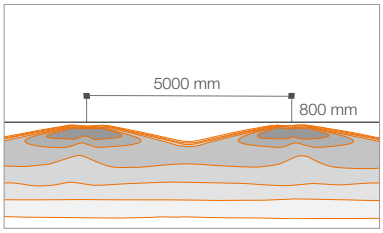
A - Asymmetrical 150°x90°



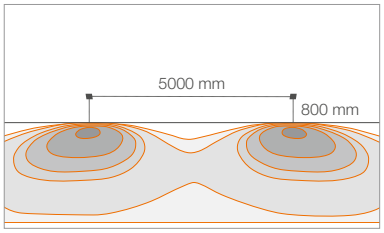
B - 60°



A - Asymmetrical 150°x90°

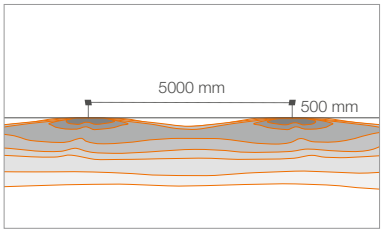


B - 60°

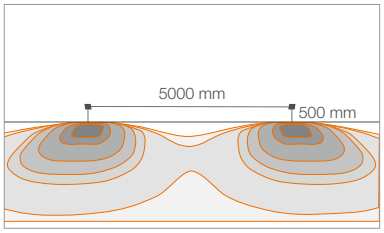


PASITO 1.0 / 1.1 / 1.2

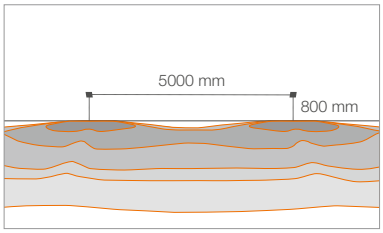
A - Asymmetrical 150°x90°



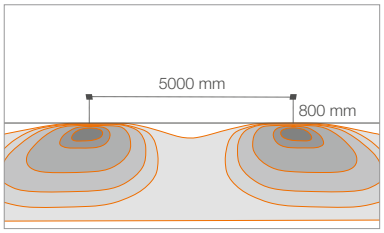
B - 60°



A - Asymmetrical 150°x90°



B - 60°



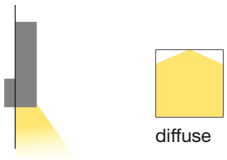


STEP OUTSIDE

OUTDOOR STEP LIGHTS
ORIENTATION LIGHT AND LIGHTING FOR WALKWAYS AND STEPS

SEMI-RECESSED

2700K 3000K 4000K 5000K blue



SQUARE COVER



STEP OUTSIDE 2.0 p. 362
max 2W max 500mA
constant current

STEP OUTSIDE 2.6 p. 363
2W 24Vdc
constant voltage

ROUND COVER

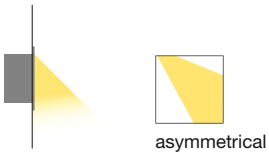


STEP OUTSIDE 2.1 p. 362
max 2W max 500mA
constant current

STEP OUTSIDE 2.7 p. 363
2W 24Vdc
constant voltage

RECESSED
CONSTANT CURRENT

2700K 3000K 4000K 5000K blue





STEP OUTSIDE 6.1 p. 366
max 2W max 500mA



STEP OUTSIDE 6.2 p. 367
max 2W max 500mA



STEP OUTSIDE 6.3 p. 367
max 2W max 500mA



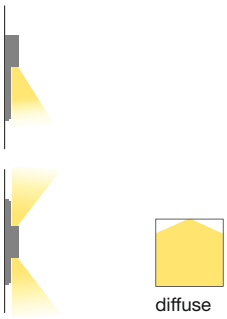
STEP OUTSIDE 5.1 p. 365
max 2W max 500mA



STEP OUTSIDE 5.2 p. 365
max 2W max 500mA

SURFACE MOUNTED
CONSTANT VOLTAGE

3000K 4000K 5000K





STEP OUTSIDE 7.0 p. 369
3.5W 24Vdc



STEP OUTSIDE 8.0 p. 369
3.5W 24Vdc

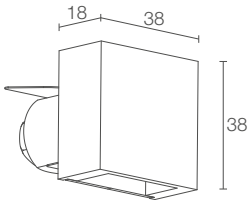
< **STEP OUTSIDE 6.2**
3000K, 2W, satin

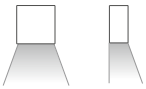
Light planning by / ZKLD Light Design Studio
Project by / Hakan Kiran Architecture
Nurol Life, Istanbul, Turkey

STEP OUTSIDE 2



STEP OUTSIDE 2.0





Ø 70 mm
H 70 mm

Ø 30 mm

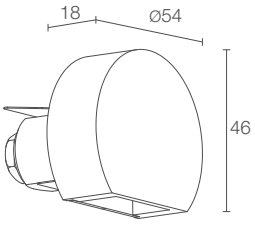
kg 0.18 IP54

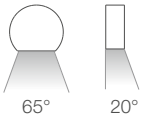
A A+ A++ IPS

POWER / POWER SUPPLY	**max 2W max 500mA**
CODE	**SP2012 D A E -** White **SP2012 D A N -** Black **SP2012 D A T -** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	35 lm (3000K, 500mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and cover in aluminium screen in transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 370 and 844
WIRING	series
MOUNTING	semi-recessed (wall)
ACCESSORIES	see p. 370
NOTES	indoor version: Step Inside 2.2, p. 664
PHOTOMETRIC DATA	see p. 822



STEP OUTSIDE 2.1





Ø 70 mm
H 70 mm

Ø 30 mm

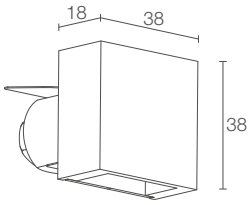
kg 0.20 IP54

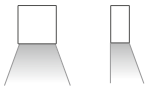
A A+ A++ IPS

	max 2W max 500mA
	SP2112 D A E - White **SP2112 D A N -** Black **SP2112 D A T -** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	diffuse
	145 lm (3000K, 500mA)
	35 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in aluminium screen in transparent extra-clear glass
	not included, see p. 370 and 844
	series
	semi-recessed (wall)
	see p. 370
	indoor version: Step Inside 2.3, p. 664
	see p. 822



STEP OUTSIDE 2.6





Ø 70 mm
H 70 mm

Ø 30 mm

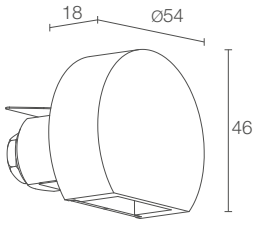
kg 0.18 IP54

A A+ A++ IPS

	2W 24Vdc **SP2600** ■ **D E -** ■ White **SP2600** ■ **D N -** ■ Black **SP2600** ■ **D T -** ■ Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	diffuse
	145 lm (3000K)
	35 lm (3000K)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in aluminium screen in transparent extra-clear glass
	not included, see p. 370
	parallel
	semi-recessed (wall)
	see p. 370
	indoor version: Step Inside 2.8, p. 665
	see p. 822



STEP OUTSIDE 2.7





Ø 70 mm
H 70 mm

Ø 30 mm

kg 0.20 IP54

A A+ A++ IPS

	2W 24Vdc **SP2700** ■ **D E -** ■ White **SP2700** ■ **D N -** ■ Black **SP2700** ■ **D T -** ■ Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	diffuse
	145 lm (3000K)
	35 lm (3000K)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in aluminium screen in transparent extra-clear glass
	not included, see p. 370
	parallel
	semi-recessed (wall)
	see p. 370
	indoor version: Step Inside 2.9, p. 665
	see p. 822



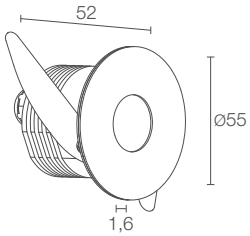
< **STEP OUTSIDE 5.2**
3000K, 2W, customized version
with anthracite finish

Project by / arch. Fernanda Cantone
Light planning by / Light Style
Castello Tafuri Charming Suites
Portopalo di Capo Passero, Syracuse, Italy

STEP OUTSIDE 5



STEP OUTSIDE 5.1



Ø 70 mm
H 90 mm

Ø 45 mm

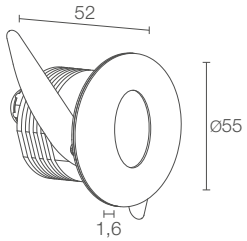
kg 0.24 IP65

A A+ A++ IPS

POWER / POWER SUPPLY	max 2W max 500mA
CODE	**SP5112 A A E -** White **SP5112 A A S -** Satin **SP5112 A A N -** Black **SP5112 A A T -** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	34 lm (3000K, 500mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium, cover in stainless steel screen in transparent plexiglass
POWER SUPPLY UNIT	not included, see p. 370 and 844
WIRING	series
MOUNTING	recessed (wall)
ACCESSORIES	see p. 370
PHOTOMETRIC DATA	see p. 822

STEP OUTSIDE 5.2





Ø 70 mm
H 90 mm

Ø 45 mm

kg 0.24 IP65

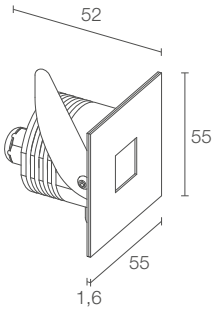
A A+ A++ IPS

	max 2W max 500mA
	SP5212 A A E - White **SP5212 A A S -** Satin **SP5212 A A N -** Black **SP5212 A A T -** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	asymmetrical
	145 lm (3000K, 500mA)
	42 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in aluminium, cover in stainless steel screen in transparent plexiglass
	not included, see p. 370 and 844
	series
	recessed (wall)
	see p. 370
	see p. 822

STEP OUTSIDE 6



STEP OUTSIDE 6.1



Ø 70 mm
H 90 mm

Ø 45 mm

kg 0.24 IP65

A A+ A++

IPS

v
STEP OUTSIDE 6.3
3000K, 2W, satin
SPOT 1.0
3000K, 2W, 20°

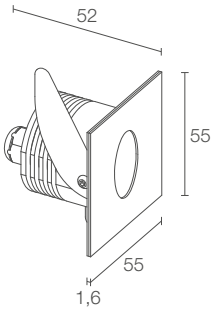
Private residence, Positano, Salerno, Italy



POWER / POWER SUPPLY	max 2W max 500mA
CODE	**SP6112 A A E -** White **SP6112 A A S -** Satin **SP6112 A A N -** Black **SP6112 A A T -** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	29 lm (3000K, 500mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium, cover in stainless steel screen in transparent plexiglass
POWER SUPPLY UNIT	not included, see p. 370 and 844
WIRING	series
MOUNTING	recessed (wall)
ACCESSORIES	see p. 370
PHOTOMETRIC DATA	see p. 822



STEP OUTSIDE 6.2



Ø 70 mm
H 90 mm

Ø 45 mm

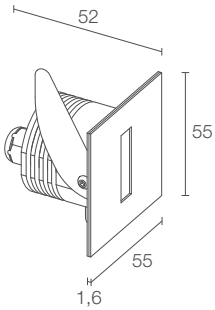
kg 0.24 IP65

A A+ A++ IPS

	max 2W max 500mA **SP6212 A A E -** White **SP6212 A A S -** Satin **SP6212 A A N -** Black **SP6212 A A T -** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	asymmetrical
	145 lm (3000K, 500mA)
	42 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in aluminium, cover in stainless steel screen in transparent plexiglass
	not included, see p. 370 and 844
	series
	recessed (wall)
	see p. 370
	see p. 822



STEP OUTSIDE 6.3



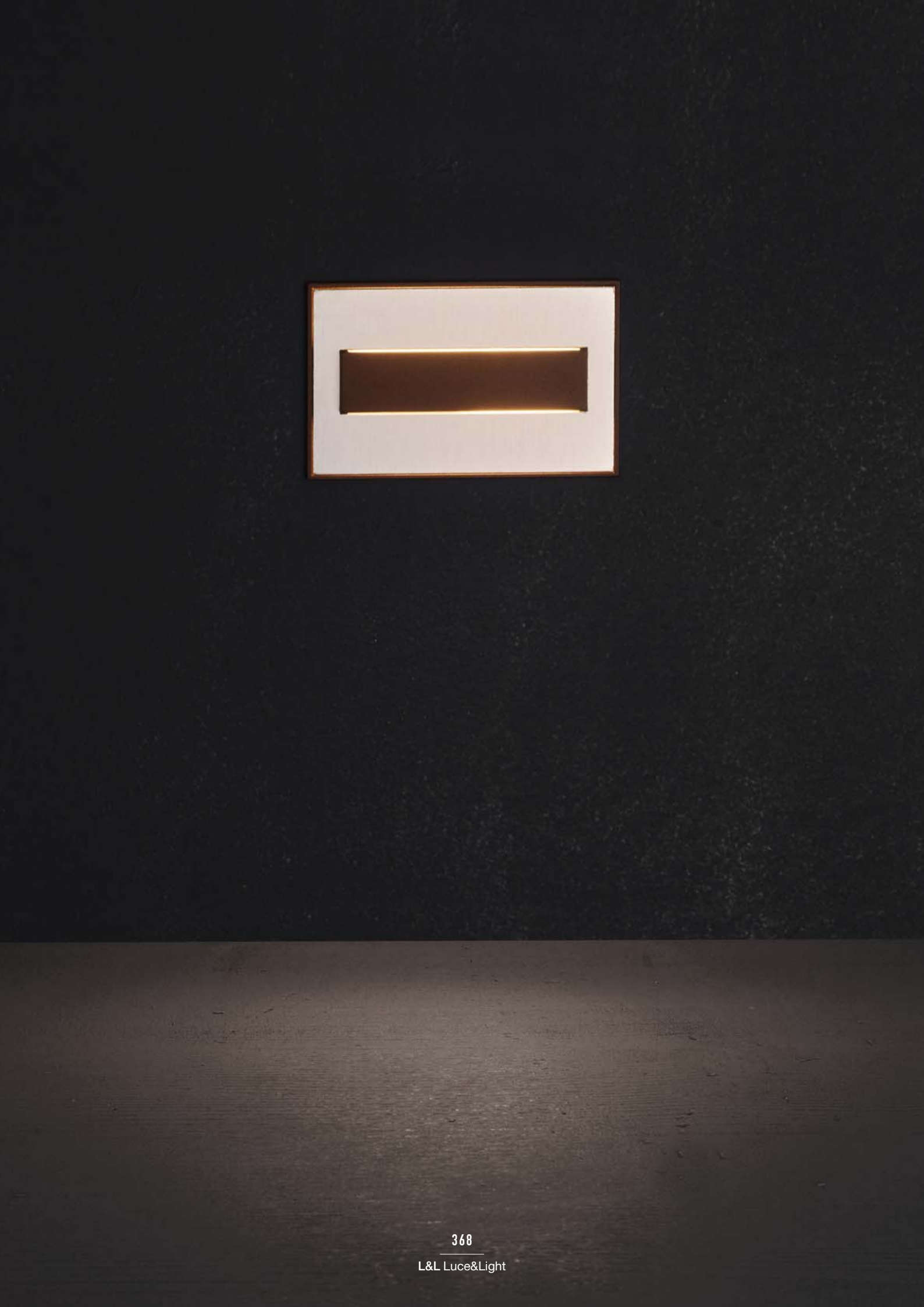
Ø 70 mm
H 90 mm

Ø 45 mm

kg 0.24 IP65

A A+ A++ IPS

	max 2W max 500mA **SP6312 A A E -** White **SP6312 A A S -** Satin **SP6312 A A N -** Black **SP6312 A A T -** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	asymmetrical
	145 lm (3000K, 500mA)
	25 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in aluminium, cover in stainless steel screen in transparent plexiglass
	not included, see p. 370 and 844
	series
	recessed (wall)
	see p. 370
	see p. 822

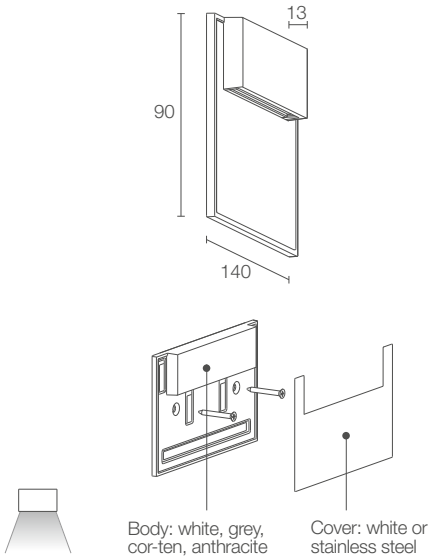


STEP OUTSIDE 7 / 8





STEP OUTSIDE 7.0

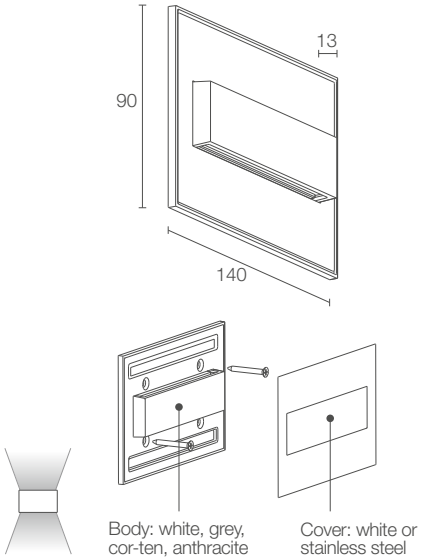


kg 0.20 IP65

A A+ A++

POWER / POWER SUPPLY	3.5W 24Vdc
CODE	**SP7000 A W** White-White **SP7000 A E** White-Stainless steel **SP7000 A F** Grey-Stainless steel **SP7000 A H** Anthracite-Stainless steel **SP7000 A T** Cor-ten-Stainless steel
LED COLOUR	**5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	107 lm (3000K)
DELIVERED LUMEN OUTPUT	20 lm (3000K)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in transparent polycarbonate
POWER SUPPLY UNIT	not included, see p. 370
POWER CABLES	includes 2x0.30 m single-core cables
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 370
PHOTOMETRIC DATA	see p. 823

STEP OUTSIDE 8.0



kg 0.22 IP65

A A+ A++

	3.5W 24Vdc
	SP8000 A W White-White **SP8000 A E** White-Stainless steel **SP8000 A F** Grey-Stainless steel **SP8000 A H** Anthracite-Stainless steel **SP8000 A T** Cor-ten-Stainless steel
	5 - 3000K **9** - 4000K **0** - 5000K
	diffuse
	107 lm (3000K) per beam
	8 lm (3000K) per beam
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in transparent polycarbonate
	not included, see p. 370
	includes 2x0.30 m single-core cables
	surface mounted (wall)
	see p. 370
	see p. 823

< STEP OUTSIDE 8.0
3000K, 3.5W, cor-ten + stainless steel

STEP OUTSIDE

ACCESSORIES AND POWER SUPPLY UNITS

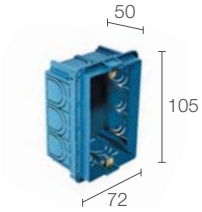
ACCESSORIES FOR INSTALLATION



WC0202
Outer casing for solid walls
(Step Outside 2.0 / 2.1 / 2.6 / 2.7)



WC1501
Outer casing for solid walls
(Step Outside 5.1 / 5.2 / 6.1 / 6.2 / 6.3)



WC0301
Optional outer casing
(Step Outside 7.0 / 8.0)

POWER CABLES Step Outside 2.0 / 2.1 / 2.6 / 2.7 / 5.1 / 5.2 / 6.1 / 6.2 / 6.3

the choice of power cable is included in the configuration of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

POWER SUPPLY UNITS Step Outside 2.0 / 2.1 / 5.1 / 5.2 / 6.1 / 6.2 / 6.3

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

POWER SUPPLY UNITS Step Outside 2.6 / 2.7 / 7.0 / 8.0

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

STEP OUTSIDE 5.2 >
3000K, 2W, customized version with anthracite finish

Project by / arch. Fernanda Cantone
Light planning by / Light Style
Castello Tafuri Charming Suites
Portopalo di Capo Passero, Syracuse, Italy

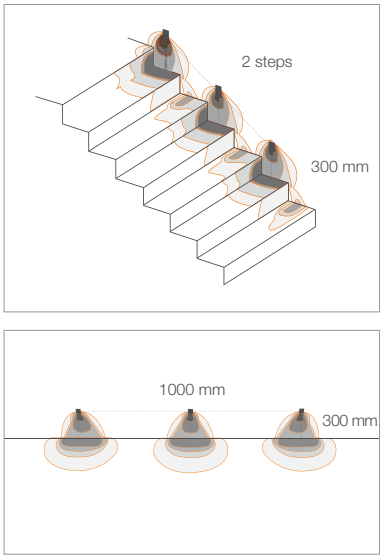


STEP OUTSIDE

POSITIONING DIAGRAMS

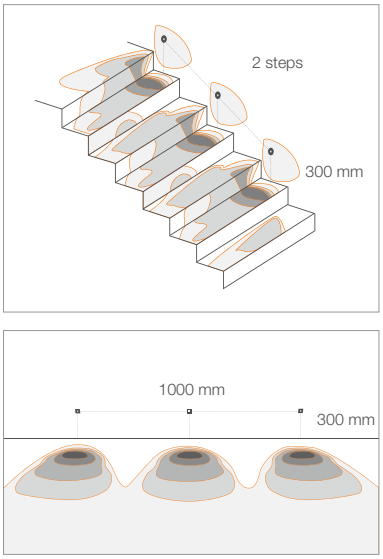
STEP OUTSIDE 2.0 / 2.1 / 2.6 / 2.7

D - Diffuse



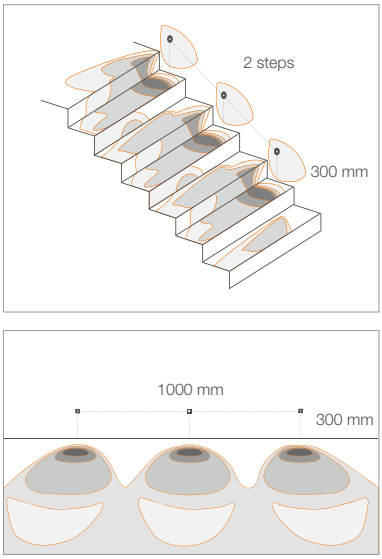
STEP OUTSIDE 5.1

A - Asymmetrical



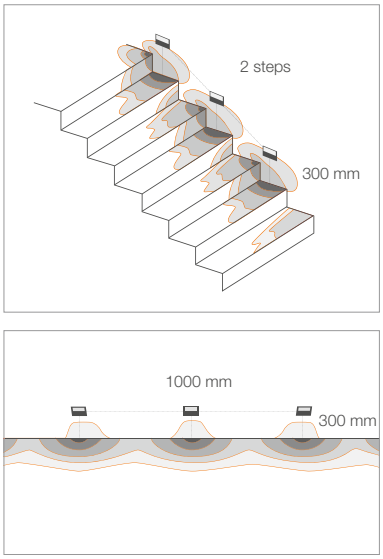
STEP OUTSIDE 5.2

A - Asymmetrical



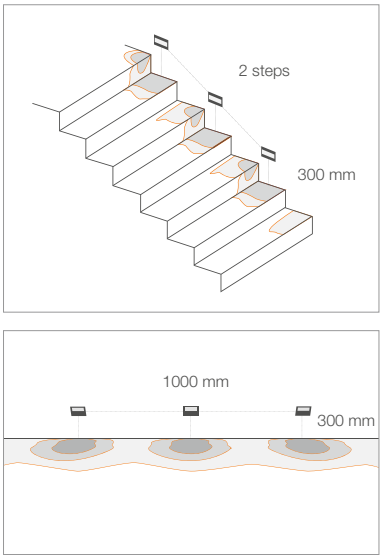
STEP OUTSIDE 7.0

A - Diffuse



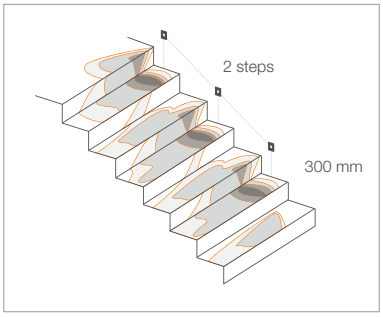
STEP OUTSIDE 8.0

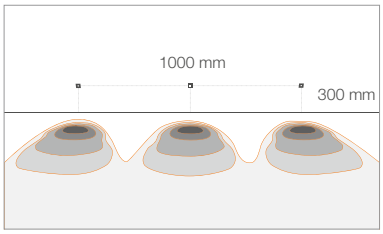
A - Diffuse



STEP OUTSIDE 6.1

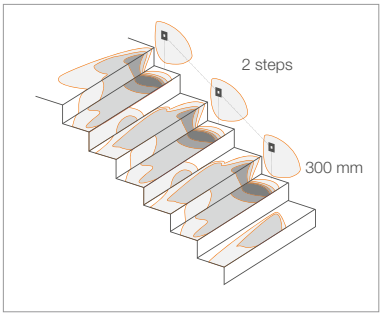
A - Asymmetrical

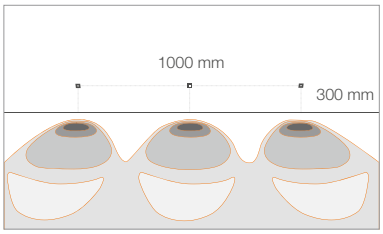




STEP OUTSIDE 6.2

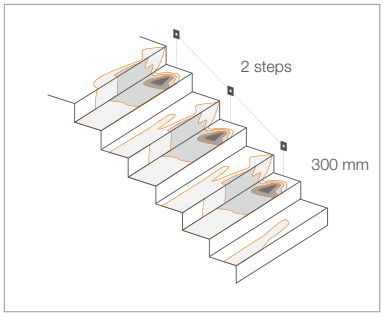
A - Asymmetrical

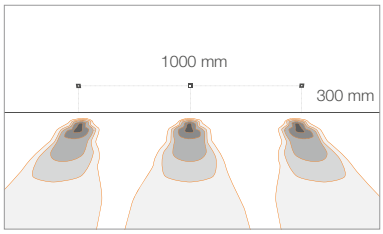




STEP OUTSIDE 6.3

A - Asymmetrical







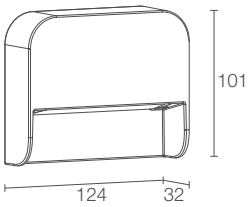
LIRA

OUTDOOR STEP LIGHTS
LIGHTING FOR PATHS AND STEPS





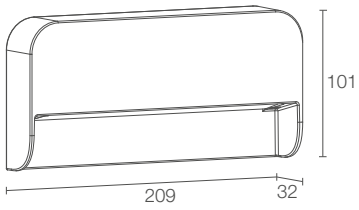
LIRA 1.0



CE LED TECH kg 0.53 IP65 IK08
A A+ A++

POWER / POWER SUPPLY CODE	6W 230Vac **LR1010 A E** White **LR1010 A F** Grey **LR1010 A H** Anthracite **LR1010 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	756 lm (3000K)
DELIVERED LUMEN OUTPUT	368 lm (3000K, white finish)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed extra-clear microprismatic glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 376
PHOTOMETRIC DATA	see p. 782

LIRA 2.0



CE LED TECH kg 0.84 IP65 IK08
A A+ A++

	12W 230Vac **LR2010 A E** White **LR2010 A F** Grey **LR2010 A H** Anthracite **LR2010 A T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K
	asymmetrical
	1512 lm (3000K)
	736 lm (3000K, white finish)
	36 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	includes 1.5 m neoprene cable H05RN-F 3x1.00 Ø7.0 mm
	surface mounted (wall)
	see p. 376
	see p. 782

< LIRA 1.0
3000K, 6W, grey

LIRA

ACCESSORIES

ACCESSORIES FOR INSTALLATION

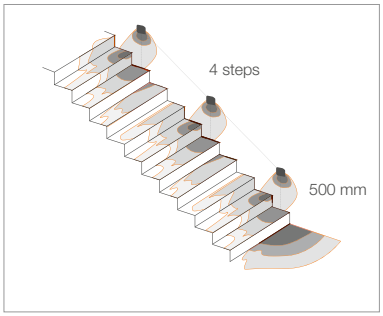


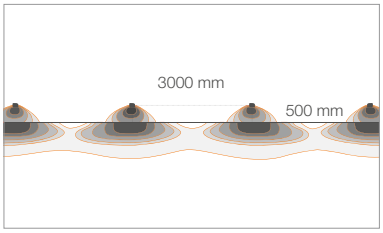
WC0301
Optional outer casing

POSITIONING DIAGRAMS

LIRA 1.0

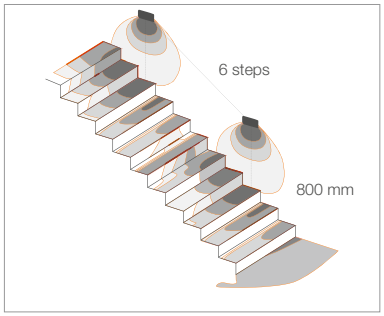
A - Asymmetrical

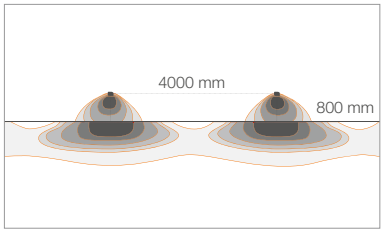




LIRA 2.0

A - Asymmetrical





LIRA 1.0
3000K, 6W, anthracite

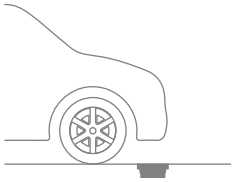
Project by / Corinne Vezzoni & Associés
Light planning by / 8' 18''
thecamp, Aix-en-Provence, France





GOCCIA

OUTDOOR STEP LIGHTS
ORIENTATION LIGHT





diffuse



RGB



2700K 3000K 4000K blue

ROUND COVER



GOCCIA 2.0 p. 380
constant current
max 3W max 350mA



GOCCIA 2.6 p. 381
constant voltage
2W 24Vdc

SQUARE COVER



GOCCIA 2.1 p. 380
constant current
max 3W max 350mA



GOCCIA 2.7 p. 381
constant voltage
2W 24Vdc

< GOCCIA 2.6
2700K, 2W



GOCCIA

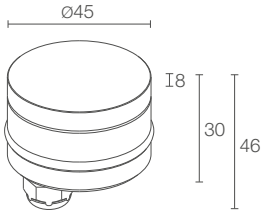




GOCCIA 2.0



Installation flush
with ground



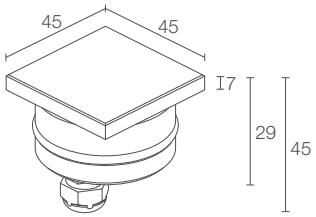
Ø 45 mm
H 35 mm

kg 500 kg 0.20 IP67 IK10

A A+ A++ IPS T max 40°C

POWER / POWER SUPPLY CODE	max 3W max 350mA **GA2031 6 D A V -** ■
■ **LED COLOUR**	RGB
■ **POWER CABLES**	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	72 lm, R: 22 lm G: 40 lm B: 10 lm (350mA)
DELIVERED LUMEN OUTPUT	36 lm, R: 13 lm G: 17 lm B: 6 lm (350mA)
NO. AND TYPE OF LED	1 full-colour LED 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in sandblasted extra-clear glass
POWER SUPPLY UNIT	not included, see p. 382 and 844
WIRING	series
MOUNTING	recessed (wall, ground)
ACCESSORIES	see p. 382
NOTES	outer casing available in non-standard sizes on request
PHOTOMETRIC DATA	

GOCCIA 2.1



Ø 45 mm
H 35 mm

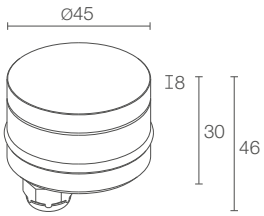
kg 500 kg 0.20 IP67 IK10

A A+ A++ IPS T max 40°C

	max 3W max 350mA **GA2131 6 D A V -** ■
	RGB
■	includes 1.5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	diffuse
	72 lm, R: 22 lm G: 40 lm B: 10 lm (350mA)
	36 lm, R: 13 lm G: 17 lm B: 6 lm (350mA)
	1 full-colour LED 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in sandblasted extra-clear glass
	not included, see p. 382 and 844
	series
	recessed (wall, ground)
	see p. 382
	outer casing available in non-standard sizes on request



GOCCIA 2.6



Ø 45 mm
H 35 mm

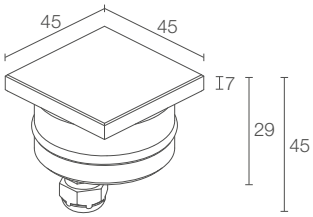
kg 500 kg 0.20 IP67 IK10

A A+ A++ IPS T max 40°C

	2W 24Vdc **GA2600** ■ **D V -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	diffuse
	204 lm (3000K)
	74 lm (3000K)
	1 power LED 3-step MacAdam (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in sandblasted extra-clear glass
	not included, see p. 382
	parallel
	recessed (wall, ground)
	see p. 382
	outer casing available in non-standard sizes on request
	see p. 770



GOCCIA 2.7



Ø 45 mm
H 35 mm

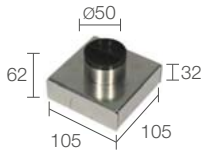
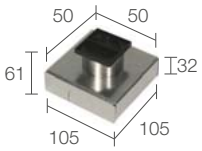
kg 500 kg 0.20 IP67 IK10

A A+ A++ IPS T max 40°C

	2W 24Vdc **GA2700** ■ **D V -** ■
■	**F** - 2700K **5** - 3000K **9** - 4000K **1** - blue
■	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
	diffuse
	204 lm (3000K)
	74 lm (3000K)
	1 power LED 3-step MacAdam (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in sandblasted extra-clear glass
	not included, see p. 382
	parallel
	recessed (wall, ground)
	see p. 382
	outer casing available in non-standard sizes on request
	see p. 770

GOCCIA

ACCESSORIES AND POWER SUPPLY UNITS

	GOCCIA 2.0	GOCCIA 2.1	GOCCIA 2.6	GOCCIA 2.7
ACCESSORIES FOR INSTALLATION				
 Outer casing	**WC0400**		**WC0400**	
 Outer casing		**WC0401**		**WC0401**

POWER CABLES

the choice of power cable is included in the configuration of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

RGB

FEP+RUB cables (equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

POWER SUPPLY UNITS Goccia 2.0 / 2.1

Max no. fixtures	PSU	IP	Page
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Goccia 2.6 / 2.7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

GOCCIA 2.7 >
customized version with 3500K LED colour, 2W

Project by / Architecture & Urbanisme 21
Yvore Schiltz et Associés /
Parallel architecture intérieur /
Agence Christophe Gontrand & Associés
Light planning by / Distylight
Groupe Foyer Headquarters, Leudelange, Luxembourg





ICE LED

OUTDOOR STEP LIGHTS
LIGHT POINT FOR GARDENS AND FLOWERBEDS



Surface installation



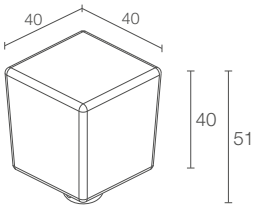
ICE LED 1.0

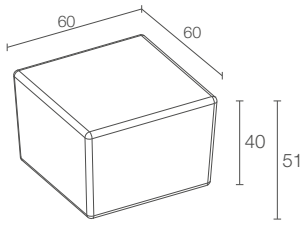


ICE LED 1.1



Installation flush
with ground





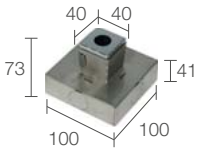
	CE LED TECH kg 500 kg 0.24 IP67 IK07 A A+ A++ IPS T max 40°C	CE LED TECH kg 500 kg 0.40 IP67 IK07 A A+ A++ IPS T max 40°C
POWER / POWER SUPPLY **CODE**	max 1W max 350mA **LE1011** ■ **D A V -** ■	max 1W max 350mA **LE1111** ■ **D A V -** ■
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue	■ **F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■ **POWER CABLES**	includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m	■ includes 1.5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **1** - 5 m **2** - 10 m **3** - 15 m **4** - 20 m
OPTICS	diffuse	diffuse
LUMEN OUTPUT AT SOURCE	110 lm (3000K, 350mA)	110 lm (3000K, 350mA)
DELIVERED LUMEN OUTPUT	89 lm (3000K, 350mA)	89 lm (3000K, 350mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium and sandblasted glass	body in anodized aluminium and sandblasted glass
POWER SUPPLY UNIT	not included, see p. 386 and 844	not included, see p. 386 and 844
WIRING	series	series
MOUNTING	recessed (wall, ground) surface mounted (ground)	recessed (wall, ground) surface mounted (ground)
ACCESSORIES	see p. 386	see p. 386
PHOTOMETRIC DATA	see p. 771	see p. 771

< ICE LED 1.1
3000K, 1W

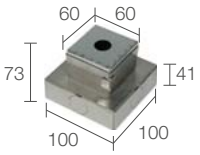
ICE LED

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0410
Outer casing
(Ice LED 1.0)



WC0411
Outer casing
(Ice LED 1.1)

POWER CABLES

the choice of power cable is included in the configuration of the code for the lighting fixture

-1 length 5 m
-2 length 10 m
-3 length 15 m
-4 length 20 m

Neoprene cables
H05RN-F 2x0.35/0.75 Ø6.3 mm IPS

POWER SUPPLY UNITS

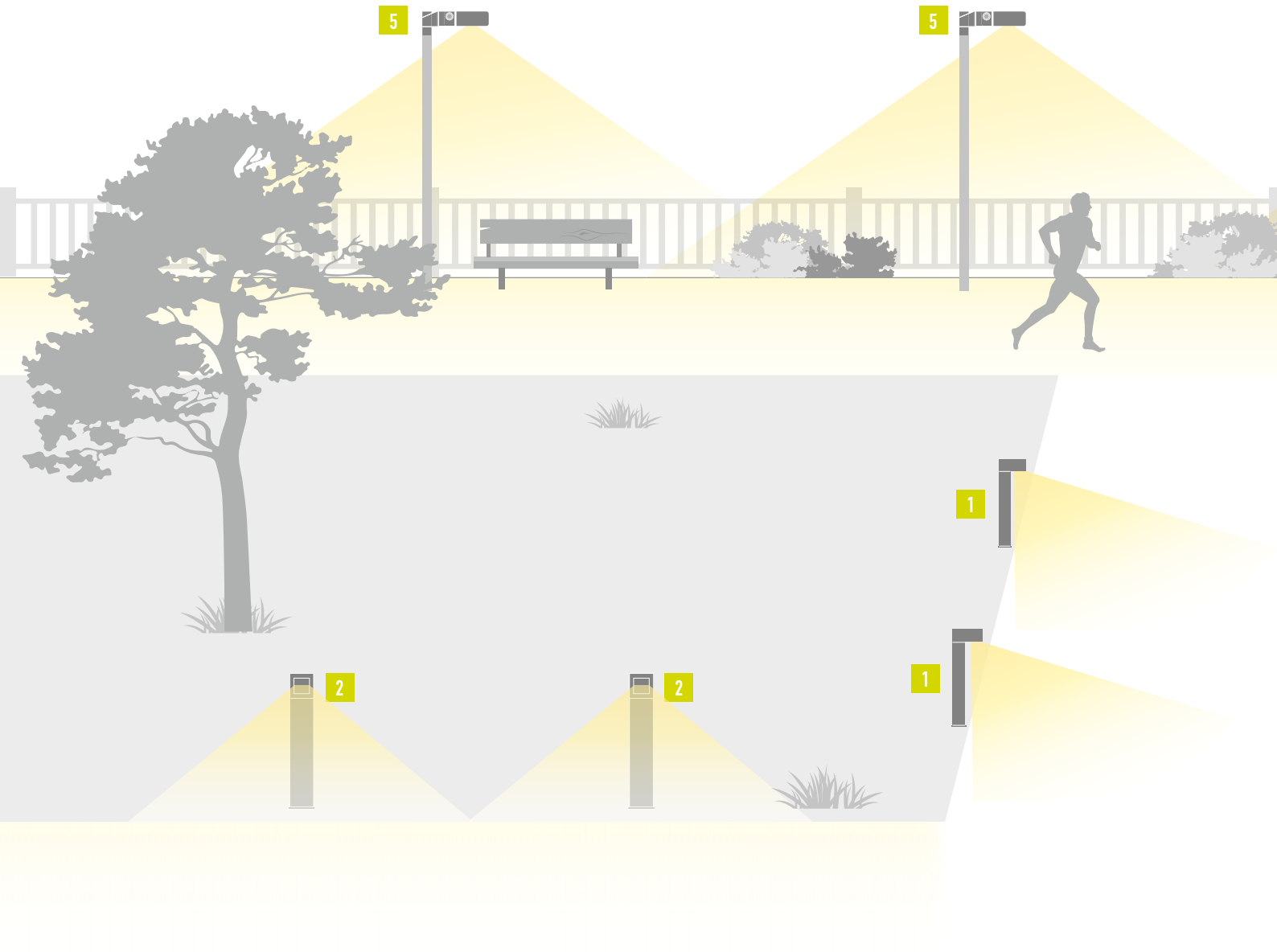
220mA

Max no. fixtures	PSU	IP	Page
1/9	A19220TC	20	844

350mA

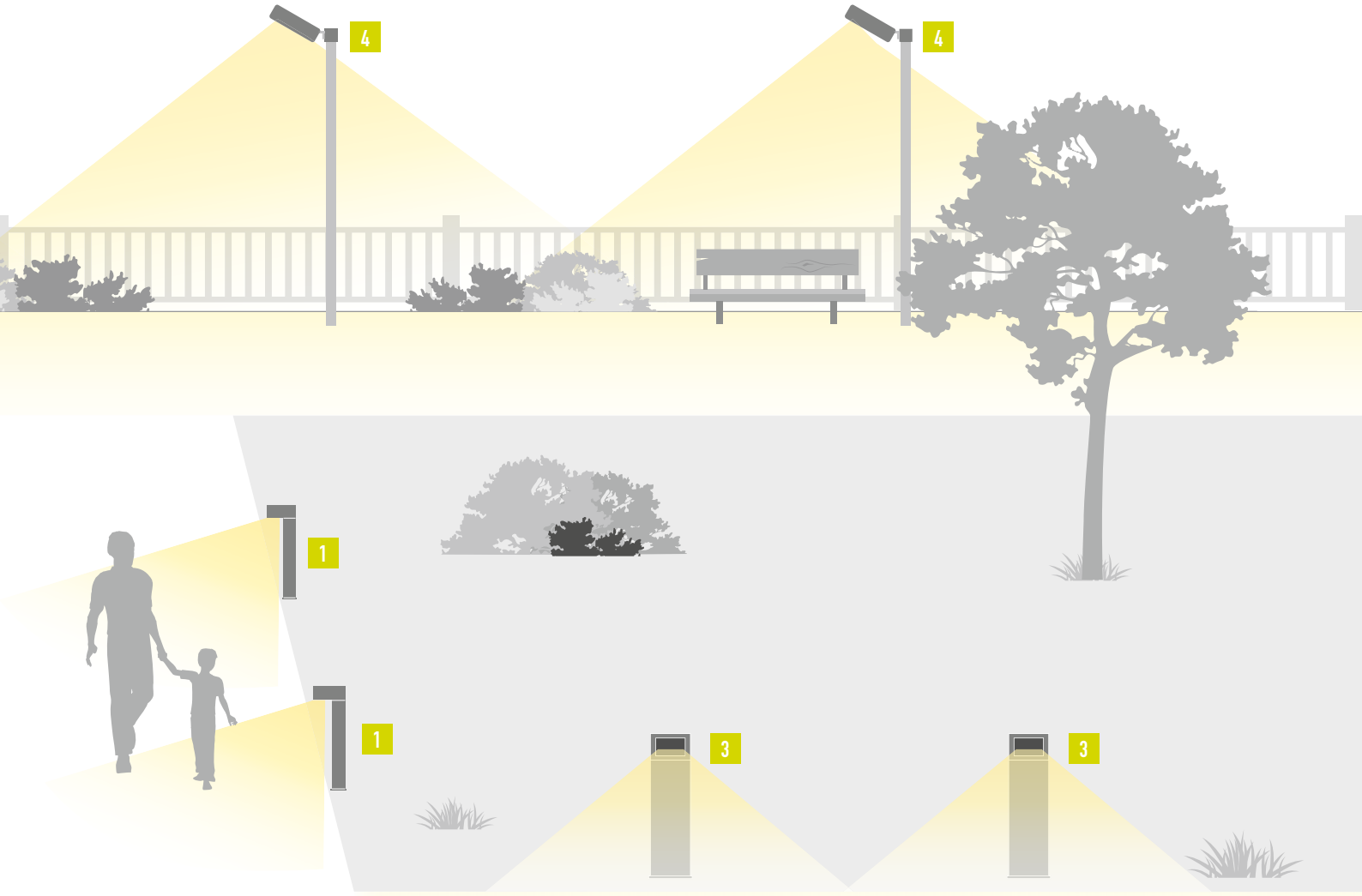
Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845





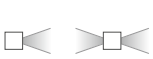
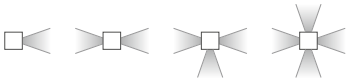
1 **PLIN** p. 392 2 **LINEAR** p. 406 3 **BITTA** p. 416

BOLLARDS AND URBAN LIGHTING



4 PALLADIANO p. 420

5 SIRI BLVD p. 428

		 **PLIN** see p. 392	 **LINEAR** see p. 406
INSTALLATION		bollard for outdoor applications	bollard for outdoor applications
MOUNTING (ground, wall, pole)			
HEIGHT			
BEAM			
LIGHT COLOUR		2700K 3000K 4000K	2700K 3000K 4000K
POWER SUPPLY	**MAINS VOLTAGE** built-in power supply unit	230Vac	230Vac
CONTROL SYSTEM			
IP		IP65	IP65
APPLIANCE CLASS			
UNIQUE SELLING POINTS			



BITTA

see p. 416

bollard for outdoor applications

2700K 3000K 4000K 5000K

230Vac

IP65



PALLADIANO

see p. 420

urban lighting

2700K 3000K 4000K

230Vac

DALI
1-10V
virtual midnight

IP66

shadow-effect filters
and colour filters



SIRI BLVD

see p. 428

urban lighting

2700K 3000K 4000K

230Vac

virtual midnight

IP66



PLIN

BOLLARDS FOR OUTDOOR APPLICATIONS

2700K 3000K 4000K

SQUARE HEAD




diffuse



PLIN 1.0 p. 394
12W 230Vac
h 300 mm



PLIN 1.1 p. 395
12W 230Vac
h 600 mm



PLIN 1.2 p. 395
12W 230Vac
h 800 mm




asymmetrical
diffuse



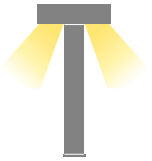
PLIN 2.0 p. 396
12W 230Vac
h 260 mm



PLIN 2.1 p. 397
12W 230Vac
h 560 mm



PLIN 2.2 p. 397
12W 230Vac
h 760 mm




asymmetrical
diffuse



PLIN 3.0 p. 398
24W 230Vac
h 260 mm



PLIN 3.1 p. 399
24W 230Vac
h 560 mm



PLIN 3.2 p. 399
24W 230Vac
h 760 mm

ROUND HEAD




diffuse



PLIN 4.0 p. 400
8W 230Vac
h 320 mm



PLIN 4.1 p. 401
8W 230Vac
h 620 mm



PLIN 4.2 p. 401
8W 230Vac
h 820 mm




asymmetrical



PLIN 5.0 p. 402
8W 230Vac
h 285 mm



PLIN 5.1 p. 403
8W 230Vac
h 585 mm



PLIN 5.2 p. 403
8W 230Vac
h 785 mm

< **PLIN 2.1**
4000K, 12W, anthracite

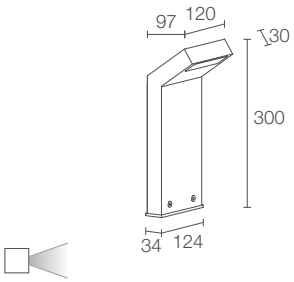
PLIN 1



PLIN 1.0

v
PLIN 1.0
3000K, 12W, anthracite



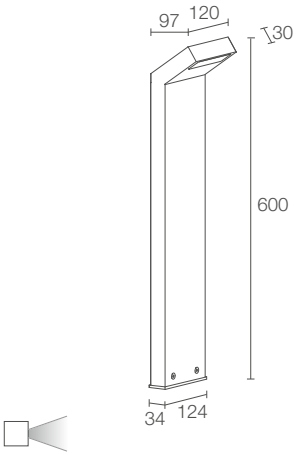


CE LED TECH kg 1.30 IP65 IK08
A A+ A++

POWER / POWER SUPPLY **CODE**	12W 230Vac h 300 mm **PN1010 A E** White **PN1010 A F** Grey **PN1010 A H** Anthracite **PN1010 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1242 lm (3000K)
DELIVERED LUMEN OUTPUT	558 lm (3000K)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	head in die-cast aluminium, column in aluminium screen in serigraphed, tempered, extra-clear microprismatic glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ground)
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 800



PLIN 1.1



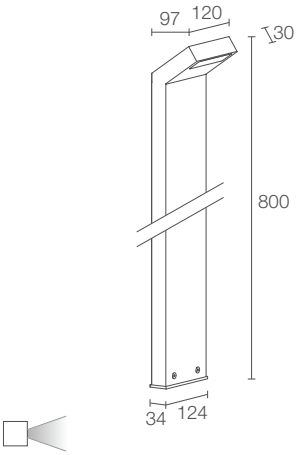
kg 2.20 IP65 IK08

A A+ A++

	12W 230Vac h 600 mm
	PN1110 A E White
	PN1110 A F Grey
	PN1110 A H Anthracite
	PN1110 A T Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1242 lm (3000K)
	558 lm (3000K)
	18 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	head in die-cast aluminium, column in aluminium screen in serigraphed, tempered, extra-clear microprismatic glass
	built in
	surface mounted (ground)
	non-standard heights available on request
	see p. 800



PLIN 1.2



kg 2.50 IP65 IK08

A A+ A++

	12W 230Vac h 800 mm
	PN1210 A E White
	PN1210 A F Grey
	PN1210 A H Anthracite
	PN1210 A T Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1242 lm (3000K)
	558 lm (3000K)
	18 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	head in die-cast aluminium, column in aluminium screen in serigraphed, tempered, extra-clear microprismatic glass
	built in
	surface mounted (ground)
	non-standard heights available on request
	see p. 800

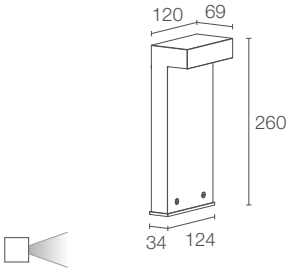
PLIN 2



PLIN 2.0

v
PLIN 2.2
3000K, 12W, anthracite
ICE LED 1.0
2700K, 1W





GERMAN DESIGN AWARD SPECIAL 2019

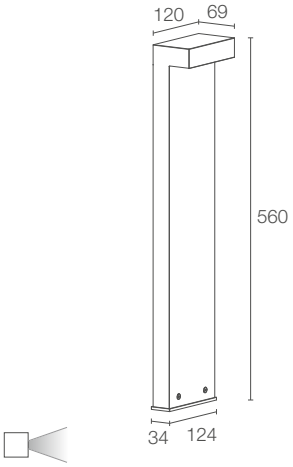
CE kg 1.40 IP65 IK08

A A+ A++

POWER / POWER SUPPLY	12W 230Vac h 260 mm
CODE	**PN2010 A E** White **PN2010 A F** Grey **PN2010 A H** Anthracite **PN2010 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	asymmetrical diffuse
LUMEN OUTPUT AT SOURCE	1242 lm (3000K)
DELIVERED LUMEN OUTPUT	492 lm (3000K)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	head and column in aluminium screen in serigraphed, tempered transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ground)
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 800



PLIN 2.1



GERMAN DESIGN AWARD SPECIAL 2019

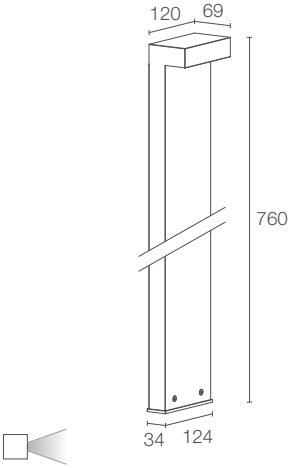
kg 1.92 IP65 IK08

A A+ A++

	12W 230Vac h 560 mm **PN2110 A E** White **PN2110 A F** Grey **PN2110 A H** Anthracite **PN2110 A T** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	asymmetrical diffuse
	1242 lm (3000K)
	492 lm (3000K)
	18 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	head and column in aluminium screen in serigraphed, tempered transparent extra-clear glass
	built in
	surface mounted (ground)
	non-standard heights available on request
	see p. 800



PLIN 2.2



GERMAN DESIGN AWARD SPECIAL 2019

kg 1.95 IP65 IK08

A A+ A++

	12W 230Vac h 760 mm **PN2210 A E** White **PN2210 A F** Grey **PN2210 A H** Anthracite **PN2210 A T** Cor-ten
■	**F** - 2700K **5** - 3000K **9** - 4000K
	asymmetrical diffuse
	1242 lm (3000K)
	492 lm (3000K)
	18 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	head and column in aluminium screen in serigraphed, tempered transparent extra-clear glass
	built in
	surface mounted (ground)
	non-standard heights available on request
	see p. 800

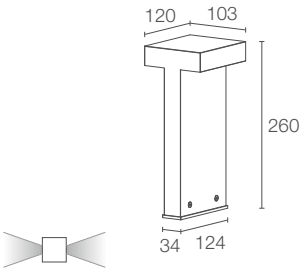
PLIN 3



PLIN 3.0

v
PLIN 3.1
4000K, 24W, anthracite





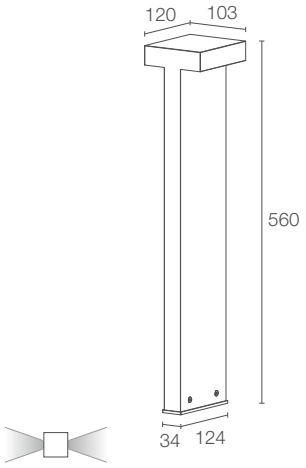
CE LED TECH kg 1.80 IP65 IK08

A A+ A++

POWER / POWER SUPPLY **CODE**	24W 230Vac h 260 mm **PN3010 A E** White **PN3010 A F** Grey **PN3010 A H** Anthracite **PN3010 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	asymmetrical diffuse
LUMEN OUTPUT AT SOURCE	1242 lm (3000K) per beam
DELIVERED LUMEN OUTPUT	492 lm (3000K) per beam
NO. AND TYPE OF LED	36 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	head and column in aluminium screen in serigraphed, tempered transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ground)
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 800



PLIN 3.1



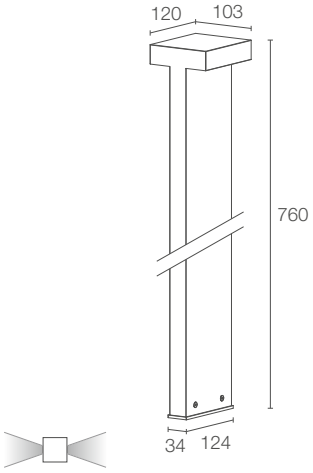
kg 2.20 IP65 IK08

A A+ A++

24W 230Vac h 560 mm **PN3110 A E** White **PN3110 A F** Grey **PN3110 A H** Anthracite **PN3110 A T** Cor-ten
F - 2700K **5** - 3000K **9** - 4000K
asymmetrical diffuse
1242 lm (3000K) per beam
492 lm (3000K) per beam
36 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
head and column in aluminium screen in serigraphed, tempered transparent extra-clear glass
built in
surface mounted (ground)
non-standard heights available on request
see p. 800



PLIN 3.2



kg 2.35 IP65 IK08

A A+ A++

24W 230Vac h 760 mm **PN3210 A E** White **PN3210 A F** Grey **PN3210 A H** Anthracite **PN3210 A T** Cor-ten
F - 2700K **5** - 3000K **9** - 4000K
asymmetrical diffuse
1242 lm (3000K) per beam
492 lm (3000K) per beam
36 mid-power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
head and column in aluminium screen in serigraphed, tempered transparent extra-clear glass
built in
surface mounted (ground)
non-standard heights available on request
see p. 800

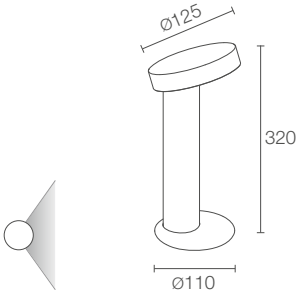
PLIN 4



PLIN 4.0

v
PLIN 4.0
4000K, 8W, anthracite



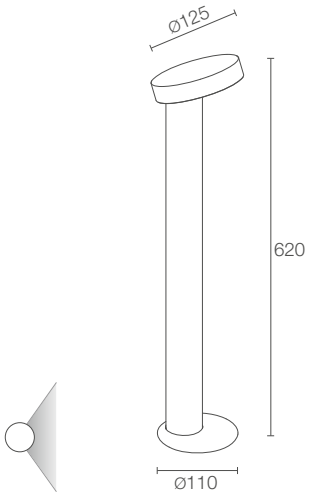


CE LED TECH kg 1.80 IP65 IK07
A A+ A++

POWER / POWER SUPPLY CODE	8W 230Vac h 320 mm **PN40100 D E** White **PN40100 D F** Grey **PN40100 D H** Anthracite **PN40100 D T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	488 lm (3000K)
DELIVERED LUMEN OUTPUT	423 lm (3000K)
NO. AND TYPE OF LED	1 power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	head in aluminium, column in stainless steel screen in serigraphed, tempered transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ground)
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 801



PLIN 4.1



CE LED TECH kg 2.65 IP65 IK07

A A+ A++

8W 230Vac h 620 mm
PN41100 D E White
PN41100 D F Grey
PN41100 D H Anthracite
PN41100 D T Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

diffuse

488 lm (3000K)

423 lm (3000K)

1 power LED
3-step MacAdam, 50000h L90 B10 (Ta 25°C)

head in aluminium, column in stainless steel
screen in serigraphed, tempered transparent
extra-clear glass

built in

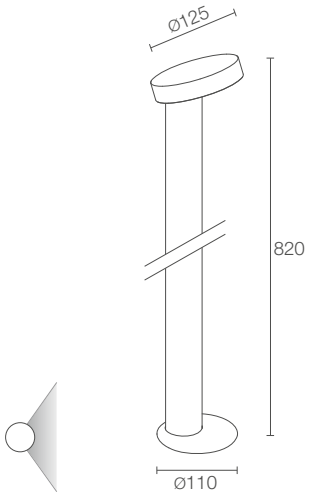
surface mounted (ground)

non-standard heights available
on request

see p. 801



PLIN 4.2



CE LED TECH kg 3.10 IP65 IK07

A A+ A++

8W 230Vac h 820 mm
PN42100 D E White
PN42100 D F Grey
PN42100 D H Anthracite
PN42100 D T Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

diffuse

488 lm (3000K)

423 lm (3000K)

1 power LED
3-step MacAdam, 50000h L90 B10 (Ta 25°C)

head in aluminium, column in stainless steel
screen in serigraphed, tempered transparent
extra-clear glass

built in

surface mounted (ground)

non-standard heights available
on request

see p. 801

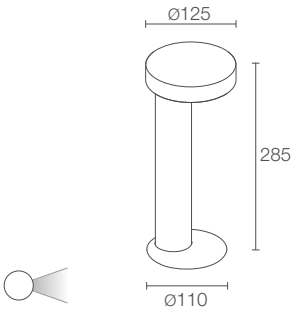
PLIN 5



PLIN 5.0

v
PLIN 5.1
4000K, 8W, anthracite





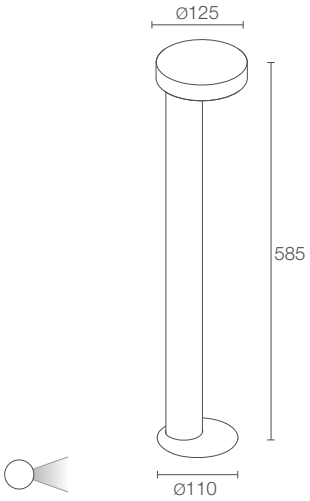
CE LED TECH kg 1.80 IP65 IK07

A A+ A++

POWER / POWER SUPPLY **CODE**	8W 230Vac h 285 mm **PN50100 A E** White **PN50100 A F** Grey **PN50100 A H** Anthracite **PN50100 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	488 lm (3000K)
DELIVERED LUMEN OUTPUT	173 lm (3000K)
NO. AND TYPE OF LED	1 power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	head in aluminium, column in stainless steel screen in serigraphed, tempered transparent extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ground)
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 801



PLIN 5.1



kg 2.50 IP65 IK07

A A+ A++

8W 230Vac h 585 mm
PN51100 A E White
PN51100 A F Grey
PN51100 A H Anthracite
PN51100 A T Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

asymmetrical

488 lm (3000K)

173 lm (3000K)

1 power LED
3-step MacAdam, 50000h L90 B10 (Ta 25°C)

head in aluminium, column in stainless steel
screen in serigraphed, tempered transparent
extra-clear glass

built in

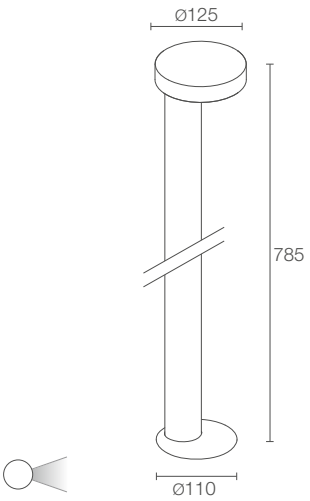
surface mounted (ground)

non-standard heights available
on request

see p. 801



PLIN 5.2



kg 3.10 IP65 IK07

A A+ A++

8W 230Vac h 785 mm
PN52100 A E White
PN52100 A F Grey
PN52100 A H Anthracite
PN52100 A T Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

asymmetrical

488 lm (3000K)

173 lm (3000K)

1 power LED
3-step MacAdam, 50000h L90 B10 (Ta 25°C)

head in aluminium, column in stainless steel
screen in serigraphed, tempered transparent
extra-clear glass

built in

surface mounted (ground)

non-standard heights available
on request

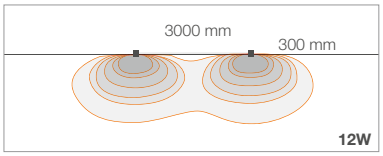
see p. 801

PLIN

POSITIONING DIAGRAMS

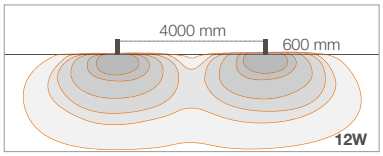
PLIN 1.0

A - Diffuse



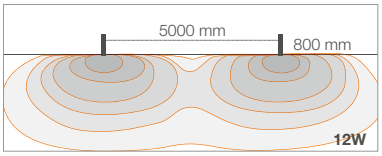
PLIN 1.1

A - Diffuse



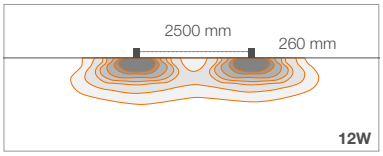
PLIN 1.2

A - Diffuse



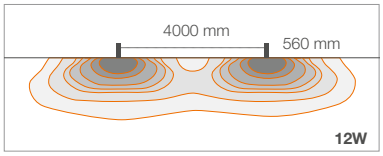
PLIN 2.0

A - Asymmetrical diffuse



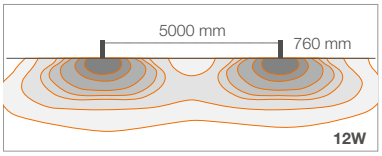
PLIN 2.1

A - Asymmetrical diffuse



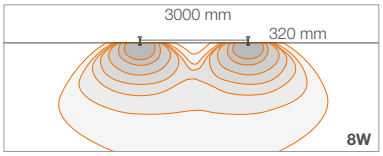
PLIN 2.2

A - Asymmetrical diffuse



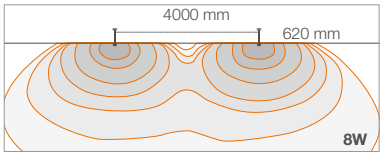
PLIN 4.0

D - Diffuse



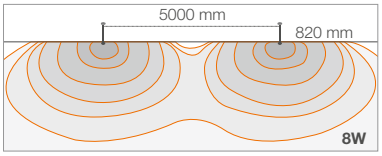
PLIN 4.1

D - Diffuse



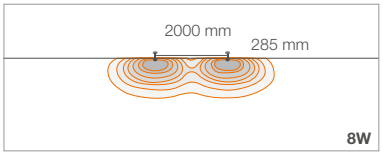
PLIN 4.2

D - Diffuse



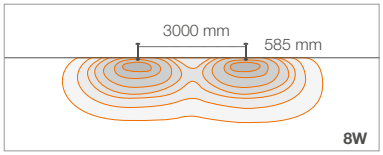
PLIN 5.0

A - Asymmetrical



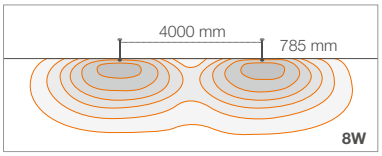
PLIN 5.1

A - Asymmetrical



PLIN 5.2

A - Asymmetrical





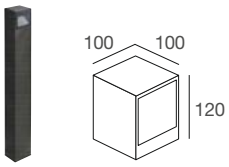


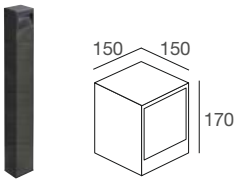
LINEAR

BOLLARDS FOR OUTDOOR APPLICATIONS



asymmetrical





2700K 3000K 4000K

HEIGHT 250/600/800 mm

HEIGHT 600/800 mm



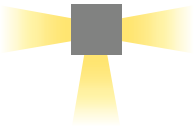
LINEAR 2.1 p. 408
4W/8.5W 230Vac

LINEAR 4.1 p. 410
8W/16W 230Vac

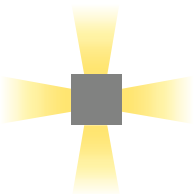


LINEAR 2.2 p. 408
7W/15W 230Vac

LINEAR 4.2 p. 411
14W/32W 230Vac



LINEAR 2.3 p. 409
10W 230Vac



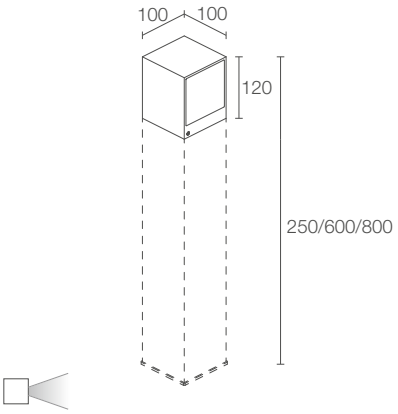
LINEAR 2.4 p. 409
13W 230Vac

LINEAR 4.4 p. 411
28W 230Vac

< **LINEAR 2.1 / 2.4 / 4.2**
3000K, 4W - 13W - 14W, anthracite
height 600 mm - 250 mm - 800 mm

LINEAR 2

LINEAR 2.1



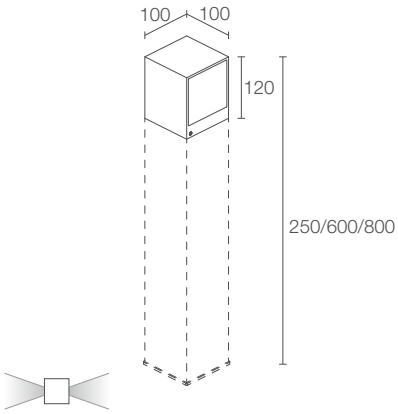
kg 1.60
kg 2.00 h 250 mm
kg 2.70 h 600 mm
kg 3.10 h 800 mm

IP65 IK07

A A+ A++ PID

POWER / POWER SUPPLY	4W 230Vac
CODE	**CL2110 A F** Grey **CL2110 A H** Anthracite **CL2110 A T** Cor-ten
	8.5W 230Vac
	CL2111 A F Grey **CL2111 A H** Anthracite **CL2111 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	184 lm (3000K, 4W) 657 lm (3000K, 8.5W)
DELIVERED LUMEN OUTPUT	100 lm (3000K, 4W) 284 lm (3000K, 8.5W)
NO. AND TYPE OF LED	1 power LED, 1/4 ANSI BIN (version 4W) 1 high-intensity power LED 3-step MacAdam (version 8.5W) 50000h L90 B10 (Ta 25°C)
MATERIAL	head in aluminium, column in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 1 m cable H05RN-F 2x0.75 Ø6.3 mm
MOUNTING	surface mounted (ground)
ACCESSORIES	see p. 412
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 780

LINEAR 2.2



kg 1.60
kg 2.00 h 250 mm
kg 2.70 h 600 mm
kg 3.10 h 800 mm

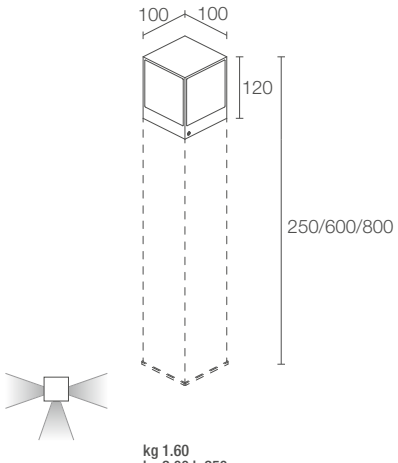
IP65 IK07

A A+ A++ PID

	7W 230Vac
	CL2210 A F Grey **CL2210 A H** Anthracite **CL2210 A T** Cor-ten
	15W 230Vac
	CL2211 A F Grey **CL2211 A H** Anthracite **CL2211 A T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K
	asymmetrical
	184 lm (3000K, 7W) per beam 657 lm (3000K, 15W) per beam
	100 lm (3000K, 7W) per beam 284 lm (3000K, 15W) per beam
	2 power LEDs, 1/4 ANSI BIN (version 7W) 2 high-intensity power LEDs 3-step MacAdam (version 15W) 50000h L90 B10 (Ta 25°C)
	head in aluminium, column in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 1 m cable H05RN-F 2x0.75 Ø6.3 mm
	surface mounted (ground)
	see p. 412
	non-standard heights available on request
	see p. 780



LINEAR 2.3



kg 1.60
kg 2.00 h 250 mm
kg 2.70 h 600 mm
kg 3.10 h 800 mm

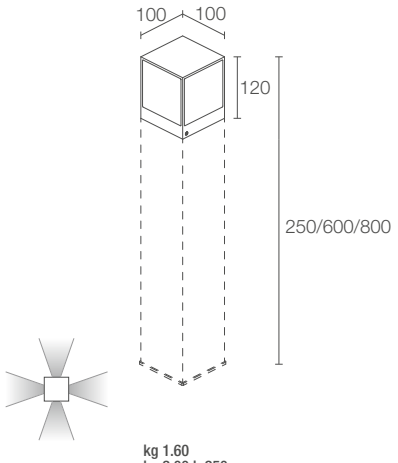
IP65 IK07

10W 230Vac

CL2310 ■ **A F**	Grey
CL2310 ■ **A H**	Anthracite
CL2310 ■ **A T**	Cor-ten

■	**F** - 2700K **5** - 3000K **9** - 4000K
	asymmetrical
	184 lm (3000K) per beam
	100 lm (3000K) per beam
	3 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	head in aluminium, column in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 1 m cable H05RN-F 2x0.75 Ø6.3 mm
	surface mounted (ground)
	see p. 412
	non-standard heights available on request
	see p. 780

LINEAR 2.4



kg 1.60
kg 2.00 h 250 mm
kg 2.70 h 600 mm
kg 3.10 h 800 mm

IP65 IK07

13W 230Vac

CL2410 ■ **A F**	Grey
CL2410 ■ **A H**	Anthracite
CL2410 ■ **A T**	Cor-ten

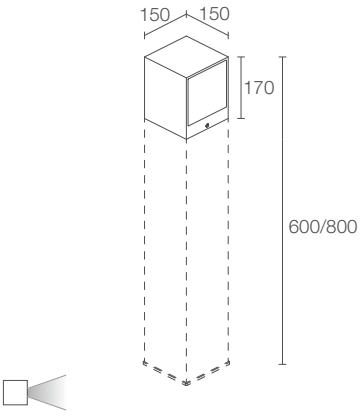
■	**F** - 2700K **5** - 3000K **9** - 4000K
	asymmetrical
	184 lm (3000K) per beam
	100 lm (3000K) per beam
	4 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	head in aluminium, column in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 1 m cable H05RN-F 2x0.75 Ø6.3 mm
	surface mounted (ground)
	see p. 412
	non-standard heights available on request
	see p. 780

LINEAR 4

v
LINEAR 2.1
4000K, 4W, anthracite



LINEAR 4.1



kg 3.50
kg 5.30 h 600 mm
kg 6.10 h 800 mm

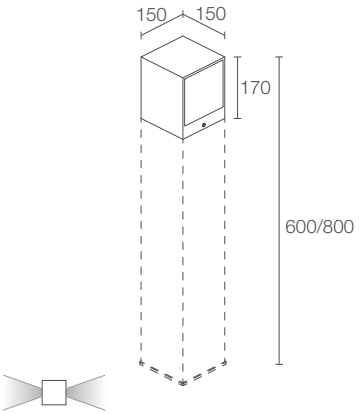
IP65 IK06

A A+ A++ PID

POWER / POWER SUPPLY **CODE**	8W 230Vac **CL4110 A F** Grey **CL4110 A H** Anthracite **CL4110 A T** Cor-ten 16W 230Vac **CL4111 A F** Grey **CL4111 A H** Anthracite **CL4111 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	436 lm (3000K, 8W) 1465 lm (3000K, 16W)
DELIVERED LUMEN OUTPUT	243 lm (3000K, 8W) 609 lm (3000K, 16W)
NO. AND TYPE OF LED	3 power LEDs, 1/4 ANSI BIN (version 8W) 3 high-intensity power LEDs 3-step MacAdam (version 16W) 50000h L90 B10 (Ta 25°C)
MATERIAL	head in aluminium, column in anticorodal aluminium screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 1 m cable H05RN-F 2x0.75 Ø6.3 mm
MOUNTING	surface mounted (ground)
ACCESSORIES	see p. 412
NOTES	non-standard heights available on request
PHOTOMETRIC DATA	see p. 781



LINEAR 4.2



kg 3.50
kg 5.30 h 600 mm
kg 6.10 h 800 mm

IP65 IK06

A A+ A++ PID

14W 230Vac
CL4210 A F Grey
CL4210 A H Anthracite
CL4210 A T Cor-ten

32W 230Vac
CL4211 A F Grey
CL4211 A H Anthracite
CL4211 A T Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

asymmetrical

436 lm (3000K, 14W) per beam
1465 lm (3000K, 32W) per beam

243 lm (3000K, 14W) per beam
609 lm (3000K, 32W) per beam

6 power LEDs, 1/4 ANSI BIN (version 14W)
6 high-intensity power LEDs
3-step MacAdam (version 32W)
50000h L90 B10 (Ta 25°C)

head in aluminium, column in anticorodal aluminium
screen in serigraphed, tempered,
transparent extra-clear glass

built in

connection box with 1 m cable
H05RN-F 2x0.75 Ø6.3 mm

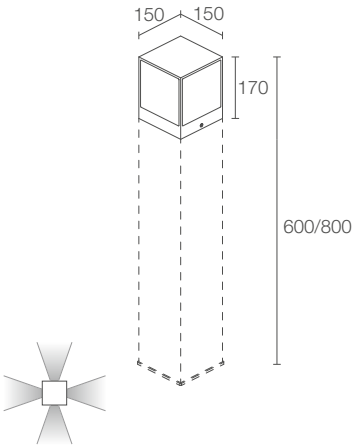
surface mounted (ground)

see p. 412

non-standard heights available
on request

see p. 781

LINEAR 4.4



kg 3.50
kg 5.30 h 600 mm
kg 6.10 h 800 mm

IP65 IK06

A A+ A++ PID

28W 230Vac
CL4410 A F Grey
CL4410 A H Anthracite
CL4410 A T Cor-ten

F - 2700K
5 - 3000K
9 - 4000K

asymmetrical

436 lm (3000K) per beam

243 lm (3000K) per beam

12 power LEDs
1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)

head in aluminium, column in anticorodal aluminium
screen in serigraphed, tempered,
transparent extra-clear glass

built in

connection box with 1 m cable
H05RN-F 2x0.75 Ø6.3 mm

surface mounted (ground)

see p. 412

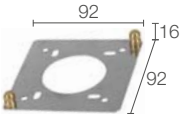
non-standard heights available
on request

see p. 781

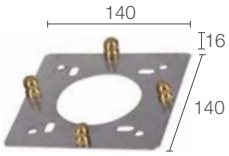
LINEAR

ACCESSORIES

ACCESSORIES
FOR INSTALLATION



WT000000
Plate for ground installation
(Linear 2.1 / 2.2 / 2.3 / 2.4)



WT000001
Plate for ground installation
(Linear 4.1 / 4.2 / 4.4)



h 250 mm including head
WT20250F - Grey
WT20250H - Anthracite
WT20250T - Cor-ten

h 600 mm including head
WT20600F - Grey
WT20600H - Anthracite
WT20600T - Cor-ten

h 800 mm including head
WT20800F - Grey
WT20800H - Anthracite
WT20800T - Cor-ten

Column
(Linear 2.1 / 2.2 / 2.3 / 2.4)



h 600 mm including head
WT40600F - Grey
WT40600H - Anthracite
WT40600T - Cor-ten

h 800 mm including head
WT40800F - Grey
WT40800H - Anthracite
WT40800T - Cor-ten

Column
(Linear 4.1 / 4.2 / 4.4)

RAL finish available on request

LINEAR 4.2 >
3000K, 32W, anthracite, height 800 mm

Villa Ca' Prigioni
Lanzè, Quinto Vicentino, Vicenza, Italy

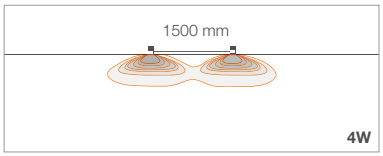


LINEAR

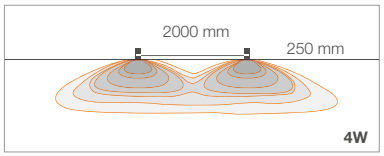
POSITIONING DIAGRAMS

LINEAR 2.1

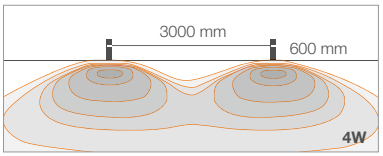
A - Asymmetrical



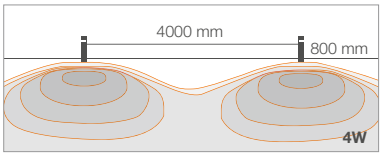
A - Asymmetrical



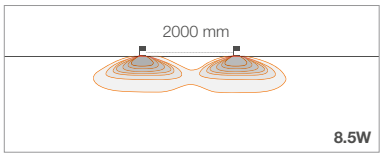
A - Asymmetrical



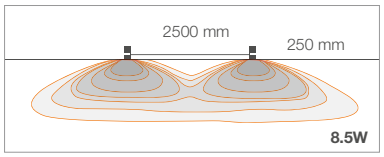
A - Asymmetrical



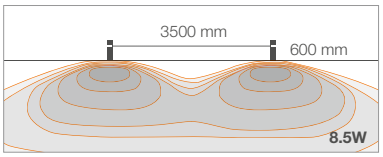
A - Asymmetrical



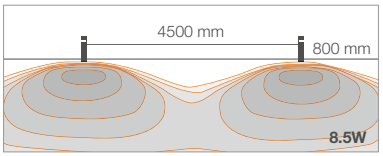
A - Asymmetrical



A - Asymmetrical



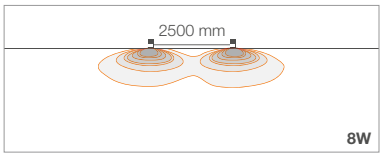
A - Asymmetrical



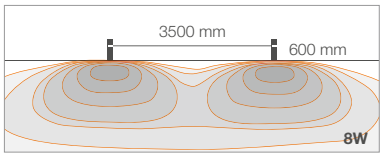


LINEAR 4.1

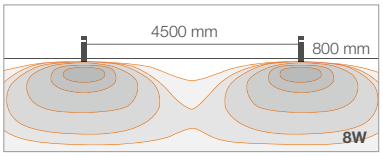
A - Asymmetrical



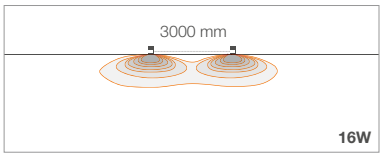
A - Asymmetrical



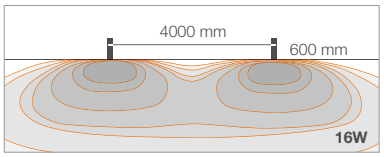
A - Asymmetrical



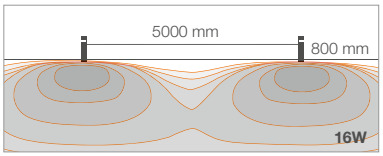
A - Asymmetrical



A - Asymmetrical



A - Asymmetrical



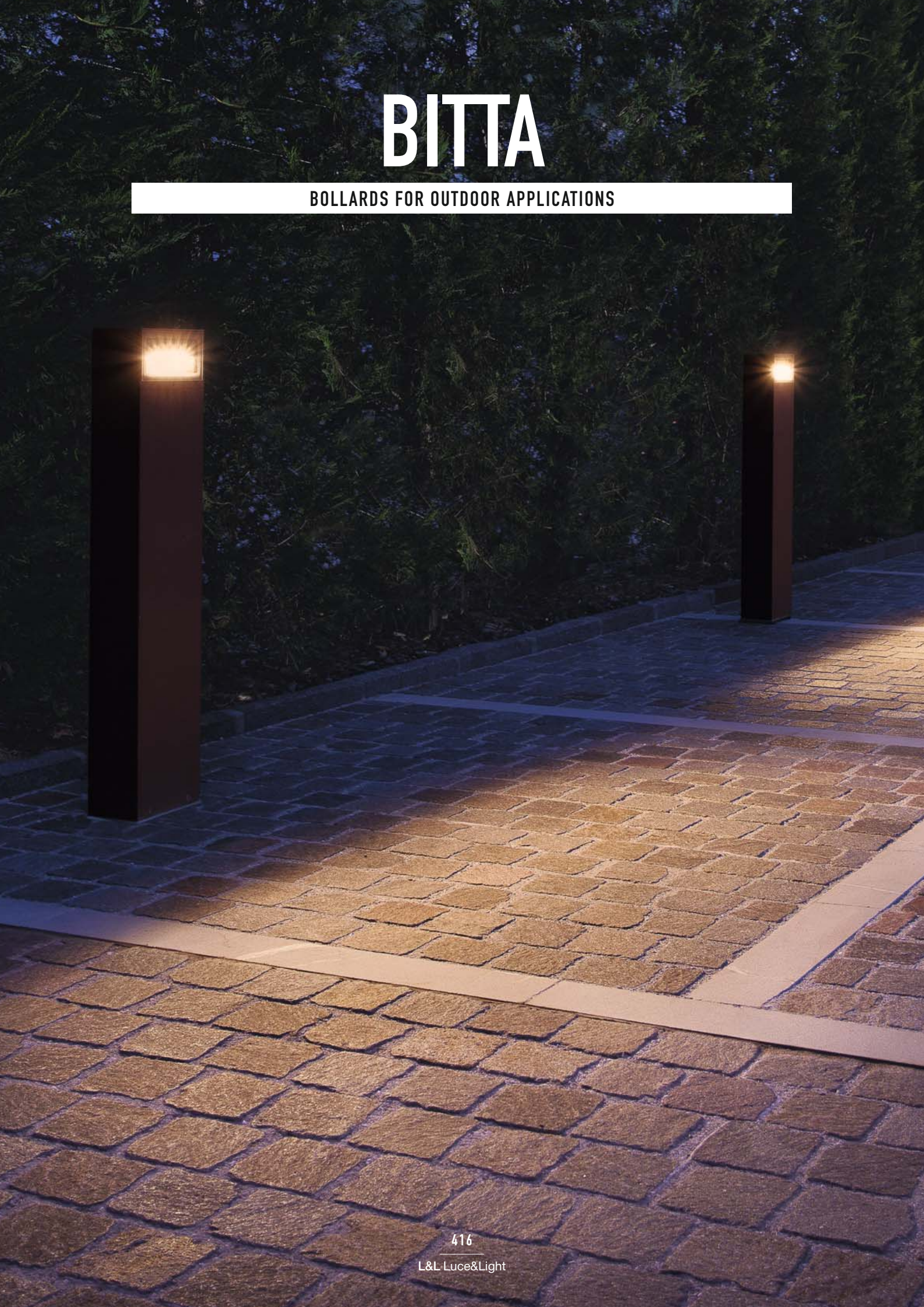
LINEAR 2.2
3000K, 15W, anthracite, height 600 mm
SPOT 1.6
3000K, 2W, 10°

Project by / Archingegno
Light planning by / arch. Mariangela Alicino,
ing. Alfonso Di Liddo
Relais Sant'Agostino, Andria, Italy



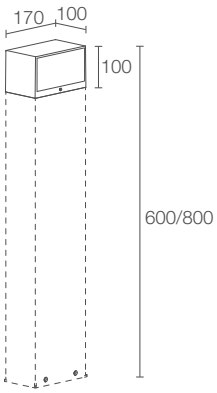
BITTA

BOLLARDS FOR OUTDOOR APPLICATIONS





BITTA 1.0



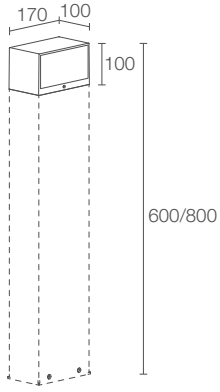


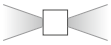
kg 4.80 h 600 mm
kg 5.70 h 800 mm
IP65 IK07

A A+ A++ PID

POWER / POWER SUPPLY	10W 230Vac
CODE	**BT1010 A E** White **BT1010 A F** Grey **BT1010 A H** Anthracite **BT1010 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	asymmetrical
LUMEN OUTPUT AT SOURCE	727 lm (3000K)
DELIVERED LUMEN OUTPUT	256 lm (3000K)
NO. AND TYPE OF LED	5 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	head in die-cast aluminium column in stainless steel screen in serigraphed, tempered, transparent extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	connection box with 0.30 m cable
MOUNTING	surface mounted (ground)
ACCESSORIES	see p. 418
PHOTOMETRIC DATA	see p. 729

BITTA 1.1





kg 4.80 h 600 mm
kg 5.70 h 800 mm
IP65 IK07

A A+ A++ PID

	20W 230Vac
	BT1110 A E White **BT1110 A F** Grey **BT1110 A H** Anthracite **BT1110 A T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	asymmetrical
	727 lm (3000K) per beam
	256 lm (3000K) per beam
	10 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	head in die-cast aluminium column in stainless steel screen in serigraphed, tempered, transparent extra-clear glass
	built in
	connection box with 0.30 m cable
	surface mounted (ground)
	see p. 418
	see p. 729

BITTA

ACCESSORIES

ACCESSORIES
FOR INSTALLATION



h 600 mm including head

WT60600E - White
WT60600F - Grey
WT60600H - Anthracite
WT60600T - Cor-ten

Column



h 800 mm including head

WT60800E - White
WT60800F - Grey
WT60800H - Anthracite
WT60800T - Cor-ten

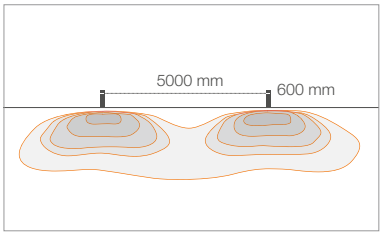
Column

RAL finish available on request

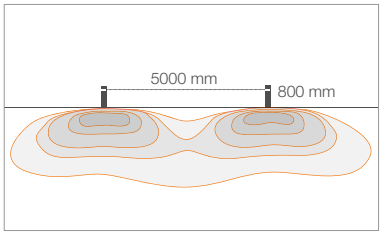
POSITIONING DIAGRAMS

BITTA 1.0

A - Asymmetrical



A - Asymmetrical





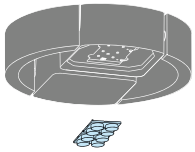


PALLADIANO

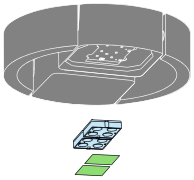
ALL-ROUND LIGHT FOR EVERY APPLICATION

DESIGN BY FRANCESCO IANNONE

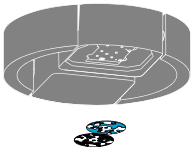
ROTATIONALLY SYMMETRICAL OPTICS
STREET OPTICS



ROTATIONALLY SYMMETRICAL OPTICS
+ COLOUR FILTERS



SHADOW-EFFECT FILTERS



2700K 3000K 4000K

38W / 55W 230Vac, DALI, 1-10V, VIRTUAL MIDNIGHT, ON/OFF

PALLADIANO 1.0
p. 425



PROJECTOR



CEILING MOUNTED



WALL MOUNTED



BOLLARD

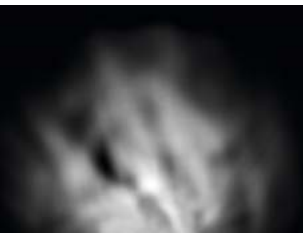


URBAN LIGHTING

PALLADIANO 1.1

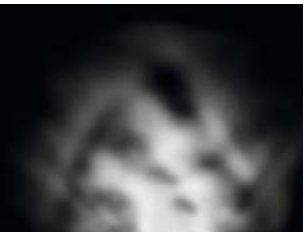


OUTDOOR
SUSPENDED
p. 318



SHADOW-EFFECT FILTERS

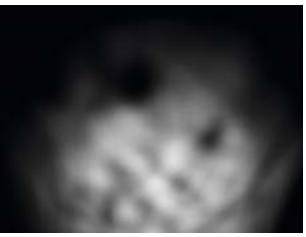
WATER



FOREST



RAIN



LEAVES



BLURRED



PATH

MATERIAL PROTECTION,
OXIDATION AND
CORROSION RESISTANCE

Low-copper-content aluminium alloy EN AB 46100
Epoxy paint
Polyester paint
Paints compliant with Qualicoat standards
Salt spray tested (over 1500 hours)

RAL FINISH
ON REQUEST

BODY IN DIE-CAST
LOW-COPPER-CONTENT
ALUMINIUM EN AB 46100,
FOR EXCELLENT RESISTANCE
TO CORROSION

CRI 80 AND CRI >90
VERSIONS FOR
IMPROVED COLOUR
RENDERING

IP66

SUITABLE
FOR OUTDOOR
APPLICATIONS

BUILT-IN
PROTECTION
SYSTEMS:

IPS

IPS
INTELLIGENT
PROTECTION
SYSTEM

PID

PID
PROTECTIVE
IMPEDANCE
DEVICE

SPD

SPD
SURGE
PROTECTION
DEVICE

PALLADIANO

UNIQUE SELLING POINTS

ICO 2 NIC O AWA 1 RDS 8 INNOVATIVE ARCHITECTURE selection

GERMAN DESIGN AWARD WINNER 2019

LUX AWARDS 2018 WINNER

ARMS ROTATABLE IN STEPS OF 30°









HEAD ADJUSTABLE THROUGH 336°







THE INTEGRATED VIRTUAL MIDNIGHT DEVICE REDUCES LIGHT EMISSION DURING THE NIGHT, GIVING GREATER OPERATING FLEXIBILITY AND INCREASING ENERGY SAVINGS



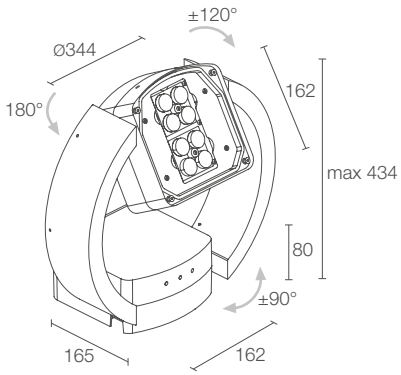
SCREEN IN TRANSPARENT AND SERIGRAPHED POLYCARBONATE WITH ANTI-UV TREATMENT, HIGH TRANSMITTANCE TO ENSURE CHROMATIC UNIFORMITY, AND EXCELLENT RESISTANCE TO KNOCKS AND SCRATCHES

IK10



PALLADIANO 1.0





Optics not included

CE LED TECH kg 6.50 IP66 IK10
A A+ A++ IPS PID SPD

POWER SUPPLY	230Vac
CODE	**PD101** ■■■■ **E** White **PD101** ■■■■ **H** Anthracite **PD101** ■■■■ **T** Cor-ten **PD101** ■■■■ **U** Copper
■ **POWER**	**0** - 38W **1** - 55W
■ **CRI**	**0** - CRI 80 **1** - CRI >90
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **CONTROL SYSTEM**	**0** - 1-10V+PUSH **1** - DALI **2** - virtual midnight **3** - on/off Casambi on request
LUMEN OUTPUT AT SOURCE	3905 lm (3000K, 38W, CRI 80) 5256 lm (3000K, 55W, CRI 80)
DELIVERED LUMEN OUTPUT	2300 lm (3000K, 38°, 38W, CRI 80) 3200 lm (3000K, 38°, 55W, CRI 80)
NO. AND TYPE OF LED	8 high intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in transparent, serigraphed polycarbonate
POWER SUPPLY UNIT	built in
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00/1.00 Ø6.8 mm
MOUNTING	surface mounted (ceiling, wall, ground, pole)
ACCESSORIES	see p. 426
DESIGN BY	Francesco Iannone
PHOTOMETRIC DATA	see p. 794 and 795

PALLADIANO

ACCESSORIES

OPTICAL ACCESSORIES

WR0301 - 15°
WR0302 - 24°
WR0303 - 38°
WR0304 - 54°
WR0305 - 14°x56°
Optics

WR0306 - 153°x107°
WR0307 - 85°x85°
WR0308 - 130°x130°
WR0309 - 119°x92°
WR0310 - 158°x110°
WR0311 - 149°x106°
WR0312 - 160°x112°
WR0313 - 162°x116°
WR0314 - 165°x110°
WR0315 - 145°x115°
WR0316 - 110°x80°
WR0317 - 145°x120°
WR0318 - 135°x135°
WR0319 - 47°x47°
WR0320 - 90°x90°
Street optics

ACCESSORIES FOR INSTALLATION



WM0412E - White
WM0412H - Anthracite
WM0412T - Cor-ten
WM0412U - Copper
Base plate



WM0411E - White
WM0411H - Anthracite
WM0411T - Cor-ten
WM0411U - Copper
Plate mounting on pole



WM0410E - White
WM0410H - Anthracite
WM0410T - Cor-ten
WM0410U - Copper
Bracket for mounting on column / spacer



h 320 mm
WD0410E - White
WD0410H - Anthracite
WD0410T - Cor-ten
WD0410U - Copper
Column / Spacer



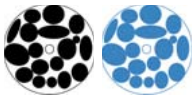
h 640 mm
WD0411E - White
WD0411H - Anthracite
WD0411T - Cor-ten
WD0411U - Copper
Column / Spacer



WR0321 - Water
WR0322 - Blue water
Shadow-effect filter



WR0323 - Forest
WR0324 - Green forest
Shadow-effect filter



WR0325 - Rain
WR0326 - Blue rain
Shadow-effect filter



WR0327 - Leaves
WR0328 - Green leaves
Shadow-effect filter



WR0329 - Blurred
WR0330 - Orange blurred
Shadow-effect filter

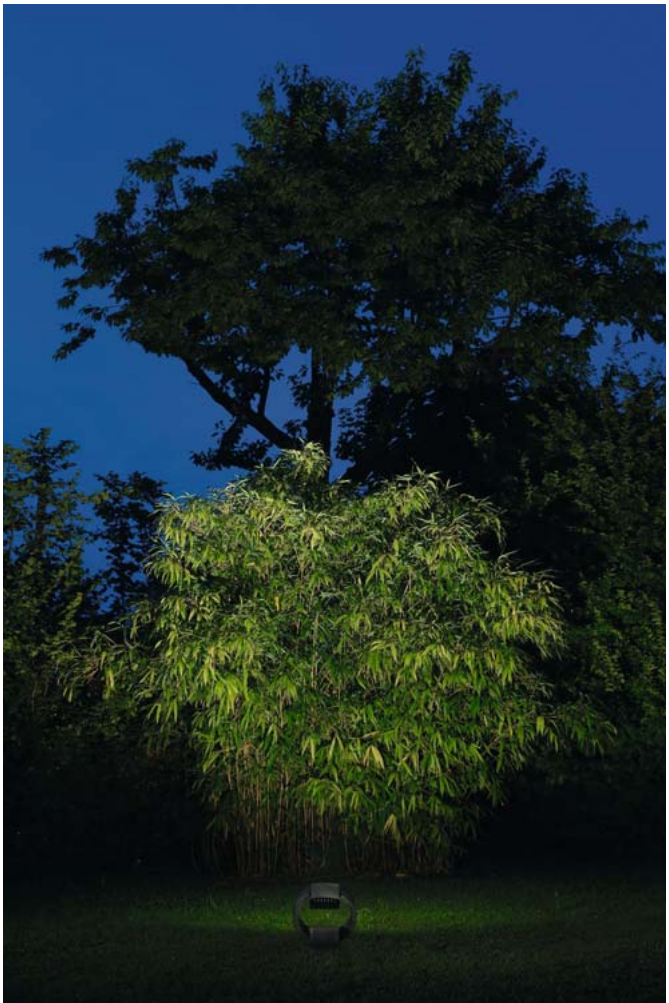


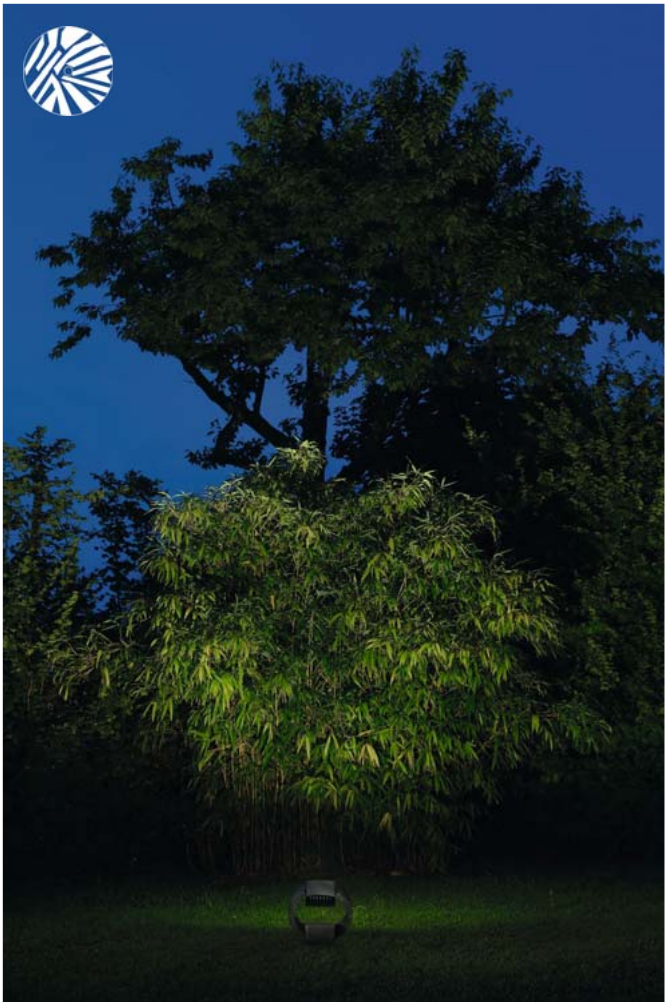
WR0331 - Path
WR0332 - Green path
Shadow-effect filter



WR0333 - Red
WR0334 - Green
WR0335 - Blue
Colour filter

Shadow-effect filter: order instead of optics
Colour filter: order in addition to the 15°, 24°, 38°, 54° and 14°x56° optics

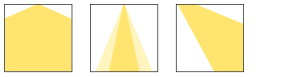




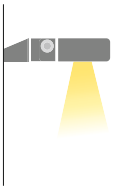


SIRI BLVD

URBAN LIGHTING







2700K 3000K 4000K

POLE MOUNTED

WALL MOUNTED



SIRI BLVD 1.0 p. 430
38W 230Vac
virtual midnight, ON/OFF



SIRI BLVD 2.0 p. 431
38W 230Vac
virtual midnight, ON/OFF



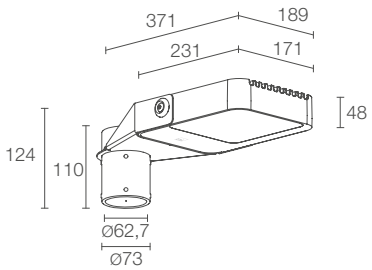
SIRI BLVD 3.0 p. 431
38W 230Vac
virtual midnight, ON/OFF

< **SIRI BLVD 3.0**
4000K, 38W, pedestrian-zone optics
with angled wall bracket

SIRI BLVD



SIRI BLVD 1.0



v
SIRI BLVD 3.0
4000K, 38W, pedestrian-zone optics
with angled wall bracket



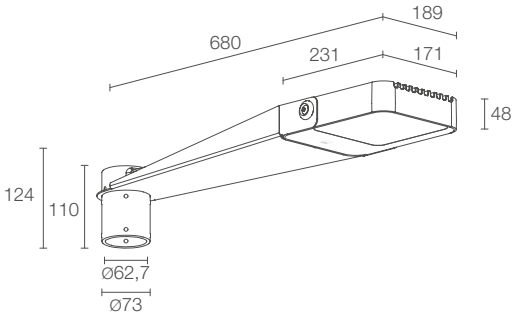
kg 4.60 IP66 IK06

A A+ A++ NTC IPS PID SPD

POWER / POWER SUPPLY **CODE**	38W 230Vac **SL1010 H** Anthracite 38W 230Vac VIRTUAL MIDNIGHT **SL1010 HM** Anthracite
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**A** - pedestrian zone **B** - asymmetrical **C** - footpath **D** - cycle path
LUMEN OUTPUT AT SOURCE	3402 lm (3000K)
DELIVERED LUMEN OUTPUT	2110 lm (3000K, pedestrian zone)
NO. AND TYPE OF LED	4 high-intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed, tempered extra-clear glass
POWER SUPPLY UNIT	built in
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø7.00 mm
MOUNTING	on pole, Ø60 mm
MAX EXPOSED SURFACE	0.056 m^2
LATERAL SURFACE	0.021 m^2
ACCESSORIES	none
NOTES	double-beam version available on request DALI version available on request
PHOTOMETRIC DATA	see p. 811



SIRI BLVD 2.0



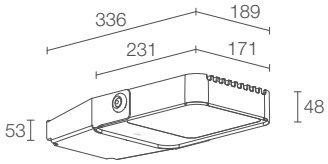
kg 6.00 IP66 IK06

A A+ A++ NTC IPS PID SPD

	38W 230Vac **SL2010** ■ ■ **H** Anthracite 38W 230Vac VIRTUAL MIDNIGHT **SL2010** ■ ■ **HM** Anthracite
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**A** - pedestrian zone **B** - asymmetrical **C** - footpath **D** - cycle path
	3402 lm (3000K)
	2110 lm (3000K, pedestrian zone)
	4 high-intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered extra-clear glass
	built in
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø7.00 mm
	on pole, Ø60 mm
	0.098 m²
	0.032 m²
	none
	double-beam version available on request DALI version available on request
	see p. 811



SIRI BLVD 3.0



kg 4.00 IP66 IK06

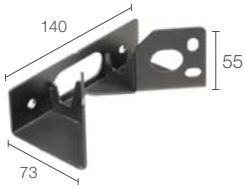
A A+ A++ NTC IPS PID SPD

	38W 230Vac **SL3010** ■ ■ **H** Anthracite 38W 230Vac VIRTUAL MIDNIGHT **SL3010** ■ ■ **HM** Anthracite
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**A** - pedestrian zone **B** - asymmetrical **C** - footpath **D** - cycle path
	3402 lm (3000K)
	2110 lm (3000K, pedestrian zone)
	4 high-intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium screen in serigraphed, tempered extra-clear glass
	built in
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø7.00 mm
	surface mounted (wall)
	0.056 m²
	0.016 m²
	see p. 432
	DALI version available on request
	see p. 811

SIRI BLVD

ACCESSORIES

ACCESSORIES FOR INSTALLATION



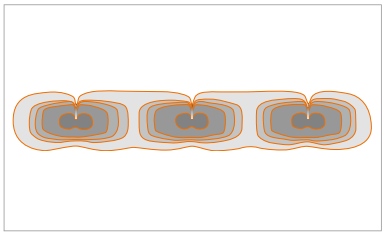
WD0700H - Anthracite

Angled wall bracket
(Siri Blvd 3.0)

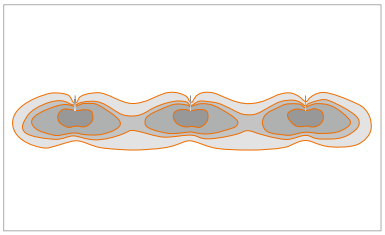
POSITIONING DIAGRAMS

SIRI BLVD 2.0
Distance between fixtures: 20 m
Mounted on 4-m pole

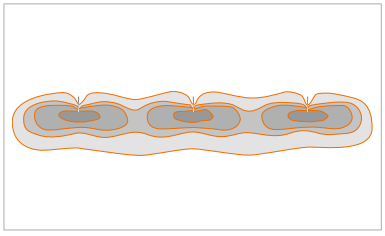
A - Pedestrian zone



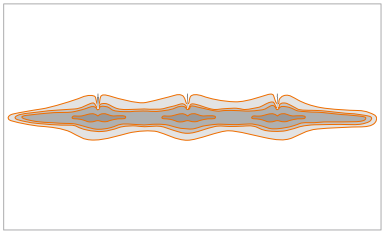
B - Asymmetrical



C - Footpath



D - Cycle path



SIRI BLVD 1.0 >
3000K, 38W, asymmetrical

Project by / Studio di Architettura
Andrea Abbadessa,
ing. Ignazio Stancanelli,
ing. Giuseppe Malatino
Light planning by / Light Style
Maniace-Ortigia, Syracuse, Italy

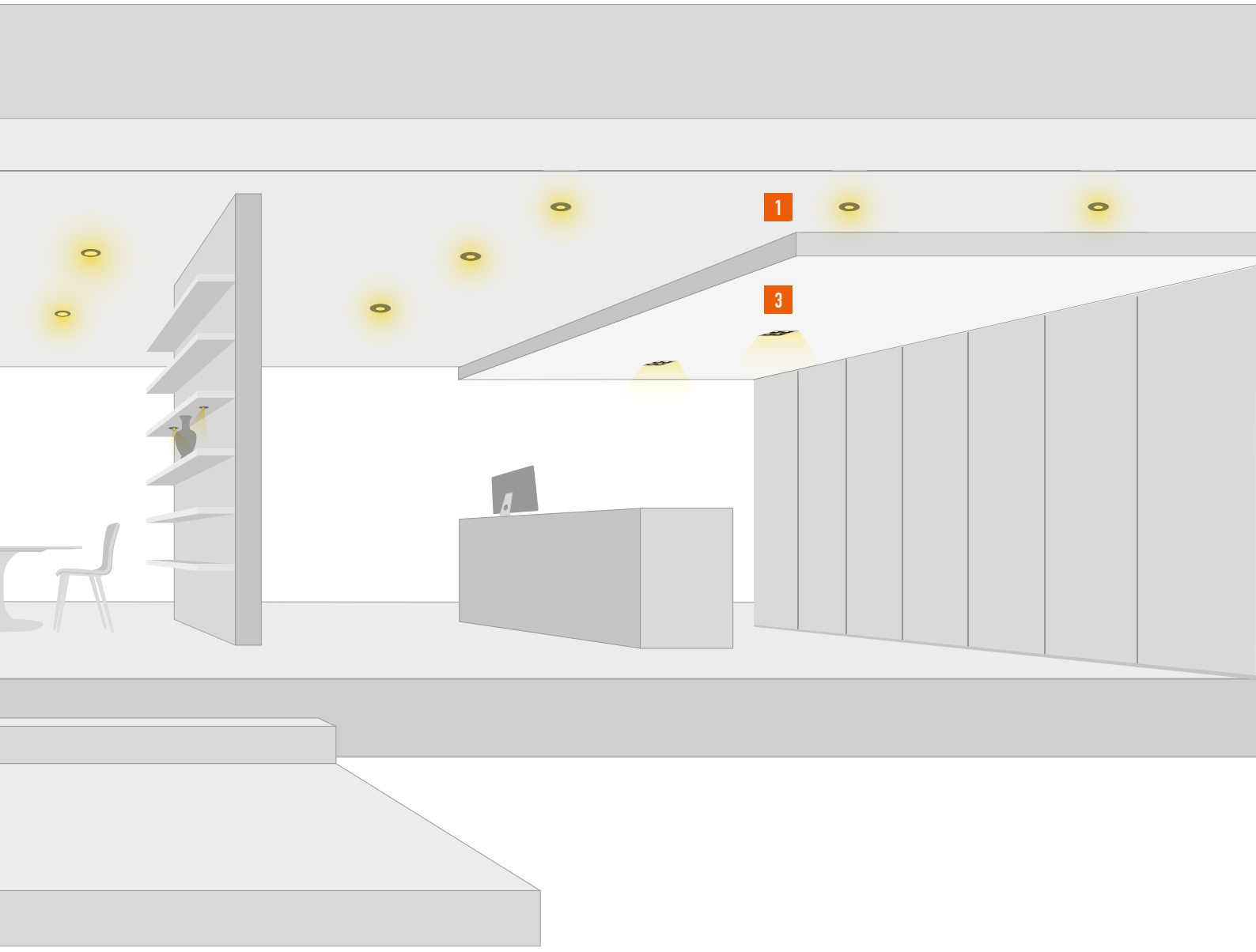




1 **COMBINA D** p. 439 2 **TURIS** p. 454 3 **BITPOP** p. 472 4 **CIAK** p. 480 5 **CAMEO** p. 490

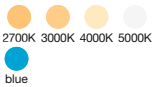
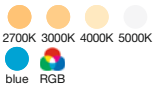
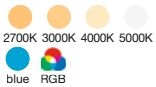
RECESSED

FOR INDOOR APPLICATIONS

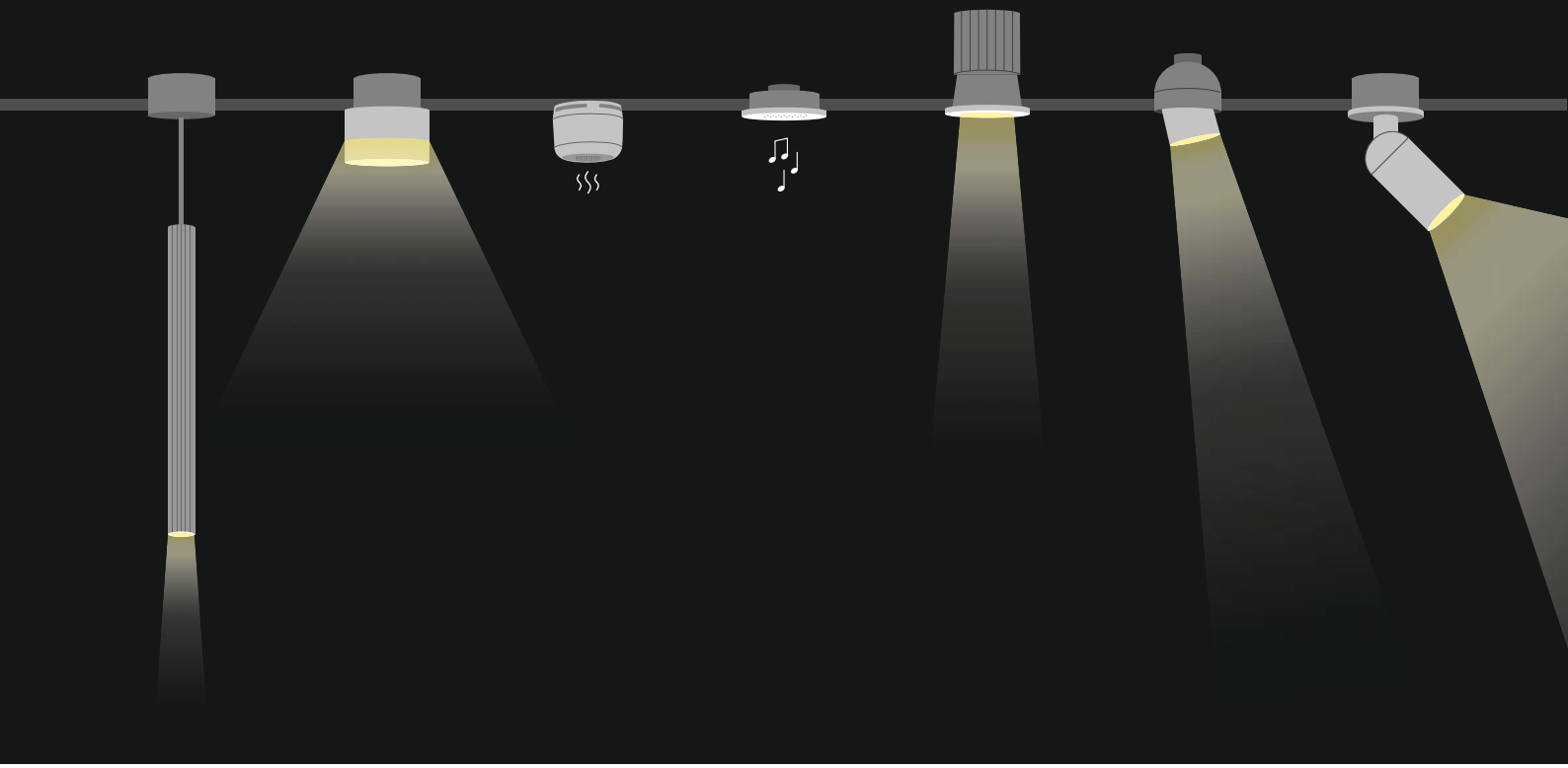


6 ESEM p. 500 7 EYES p. 514 8 QUAD p. 524 9 LED OPTICAL FIBRES p. 542

					
		COMBINA D see p. 439	**TURIS** see p. 454	**BITPOP** see p. 472	**CIAK** see p. 480
APPLICATION		architectural lighting	residential general lighting	offices and work spaces	museums and retail, showcases and niches
SHAPE					
MOUNTING	CEILING / WALL FLUSH / WITH FRAME				
BEAM	DIFFUSE VERSION FIXED OPTICS				
	OPTICS VERSION FIXED OPTICS / TILTABLE / ZOOM LENS				
	POINTS OF LIGHT				
LIGHT COLOUR		 2700K 3000K 4000K	 2700K 3000K 4000K	 2700K 3000K 4000K	 2700K 3000K 4000K
POWER		6–29W	4.5–30W	6.5–50W	1.5–5W
DELIVERED LUMEN OUTPUT (3000K)		293–2363 lm	295–2430 lm	335–2680 lm	144–303 lm
POWER SUPPLY	CONSTANT CURRENT power supply unit not included	max 300mA max 400mA max 500mA max 800mA			max 500mA
	CONSTANT VOLTAGE power supply unit not included		24Vdc	24Vdc	24Vdc
	MAINS VOLTAGE built-in power supply unit / included		230Vac	230Vac	
CONTROL SYSTEM			DALI, 1-10V mains dimming	DALI 1-10V	
IP		IP20 IP44 with filter	IP40 IP44 installed	IP40 IP44 installed	IP40
APPLIANCE CLASS					
UNIQUE SELLING POINTS		version with primer CRI >97		UGR < 10 for 17° and 30° optics	rotatable up to 350° on vertical axis tiltable up to 70° on horizontal axis

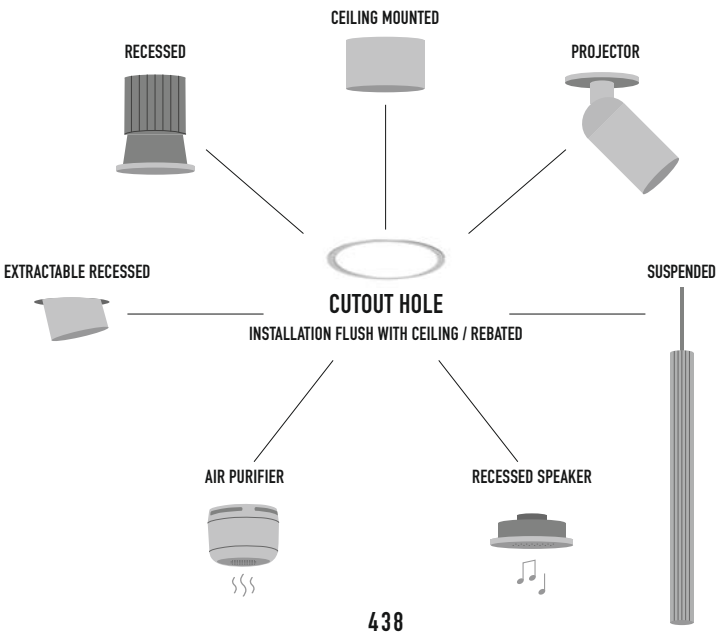
					
CAMEO	**ESEM**	**EYES**	**QUAD**	**ECHO LED**	**LED OPTICAL FIBRES**
see p. 490	see p. 500	see p. 514	see p. 524	see p. 538	see p. 542
residential false ceilings and niches	residential and hospitality showcases and false ceiling	starry sky, shelves, showcases and false ceilings	residential and retail, false ceilings	general lighting	starry sky
					
					•
					
					
					•
 2700K 3000K 4000K	 2700K 3000K 4000K 5000K	 2700K 3000K 4000K 5000K blue	 2700K 3000K 4000K 5000K blue RGB	 3000K 4000K	 2700K 3000K 4000K 5000K blue RGB
1.5–5W	2–14W	1–2W	6–40W	18–36W	max 3W
50–303 lm	122–957 lm	54–115 lm	336–2850 lm	1250–2418 lm	107 lm
max 500mA	max 350mA max 500mA	max 350mA max 500mA	max 500mA		max 350mA (RGB light) max 700mA (white/blue light)
24Vdc	24Vdc	24Vdc			
	230Vac		230Vac	230Vac	
	DALI, 1-10V mains dimming		DALI 1-10V		
IP40	IP20 / IP40 IP44 installed	IP40 IP44 installed	IP40 IP43 installed	IP40 IP44 installed	IP44
					

COMBINA SYSTEM



SUSPENDED | CEILING MOUNTED | AIR PURIFIER | RECESSED SPEAKER | RECESSED | EXTRACTABLE RECESSED | PROJECTOR

Combina System is a range of lighting fixtures that feature huge versatility. The type of fixture can be changed at any time, even after installation, thanks to their unique, multipurpose cutout hole. Currently only available in a downlight version, Combina System will soon be available as an extractable recessed, suspended or ceiling-mounted lighting fixture, projector, speaker or air purifier.



COMBINA D

INTERCHANGEABLE INDOOR RECESSED DOWNLIGHTS FOR SHOWROOMS, OFFICES AND RETAIL

In the downlight version, the practical connection system on the cover means its appearance can be customized, while its light output can be altered by applying optical filters.

BUILD THE VERSION YOU WANT IN THREE STEPS

1 CHOOSE THE FIXTURE BODY



FIXED BODY



ADJUSTABLE BODY

2 CHOOSE THE RETAINING BEZEL



ROUND BEZEL FOR INSTALLATION FLUSH WITH CEILING



SQUARE BEZEL FOR INSTALLATION FLUSH WITH CEILING



ROUND BEZEL FOR REBATED INSTALLATION



SQUARE BEZEL FOR REBATED INSTALLATION

3 LASTLY, CHOOSE THE COVER



FLAT, ROUND COVER



FLAT, SQUARE COVER



SHALLOW, ROUND COVER



SHALLOW, SQUARE COVER



DEEP, ROUND COVER
only compatible with the fixed body



DEEP, SQUARE COVER
only compatible with the fixed body

CHOOSE COMBINA D USING THE ONLINE CONFIGURATOR AT **WWW.LUCELIGHT.IT**



COMBINA D

INTERCHANGEABLE INDOOR RECESSED DOWNLIGHTS FOR SHOWROOMS, OFFICES AND RETAIL



2700K 3000K 4000K

max 6W max 500mA		max 11W max 300mA		max 15W max 400mA		max 29W 800mA	
Ø70 mm	70x70 mm	Ø85 mm	85x85 mm	Ø136 mm	136x136 mm	Ø200 mm	200x200 mm

FIXED OPTICS



COMBINA D 1.0 p. 444 | COMBINA D 2.0 p. 445 | COMBINA D 3.0 p. 446 | COMBINA D 4.0 p. 447

TILTABLE OPTICS



COMBINA D 1.1 p. 444 | COMBINA D 2.1 p. 445 | COMBINA D 3.1 p. 446 | COMBINA D 4.1 p. 447

< **COMBINA D 2.0**
3000K, 11W, 30°
COMBINA D 2.1
3000K, 11W, 30°-25° + elliptical filter
black, flat, round cover,
installed flush with ceiling

Courtesy of / Désirée Divani



deep,
round cover



shallow,
round cover



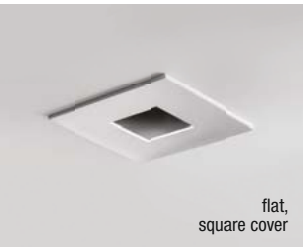
flat,
round cover



deep,
square cover



shallow,
square cover



flat,
square cover

COMBINA D CAN RESPOND TO CHANGING LIGHTING
NEEDS THANKS TO ITS UNIQUE CUTOUT HOLE
AND INTERCHANGEABLE ELEMENTS.
AT ANY TIME, THE FIXED BODY CAN BE REPLACED
WITH THE ADJUSTABLE VERSION, THE SHAPE
AND FINISH OF THE COVER CAN BE CHANGED,
AND THE LIGHT OUTPUT CAN BE ALTERED
BY ADDING OPTICAL FILTERS

BODY IN
DIE-CAST ALUMINIUM
AND BAYBLEND

RETAINING BEZEL
ENABLES INSTALLATION
TO BE REBATED OR
FLUSH WITH CEILING

COVER
FLAT AND SHALLOW VERSIONS
COMBINED WITH DEEP-SET OPTICS
PRODUCE A LIGHT OUTPUT THAT
PROVIDES HIGH VISUAL COMFORT
WITH AN UGR <13, WHILE THE DEEP
VERSION HAS AN UGR <19

OPTICAL ACCESSORIES
THE OPTICAL FILTERS ALTER THE
OPTICS' LIGHT EFFECTS TO PRODUCE
A DIFFUSE OR ELLIPTICAL OUTPUT.
ALL FILTERS CAN BE STILL APPLIED
TO DOWNLIGHTS AFTER INSTALLATION
BECAUSE OF THE SPECIAL HOUSING
PROVIDED IN THE FIXTURE'S COVER



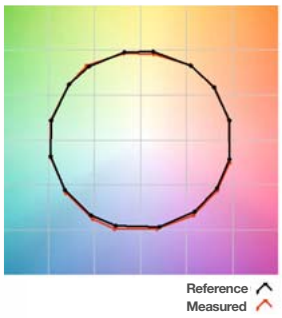
RAL FINISH
ON REQUEST

COMBINA D

UNIQUE SELLING POINTS



COLOR VECTOR GRAPHIC



CRI >97 AND TM-30 MAXIMUM COLOUR RENDITION THANKS TO LED LIGHT SOURCES WITH CRI >90 AND CRI >97

REMOTE PHOSPHOR TECHNOLOGY AND 2-STEP MACADAM (COMBINA D 2 / 3 / 4) GUARANTEE COLOUR-BRIGHTNESS CONSISTENCY OVER TIME

THE BLACK INTERIOR OF THE OPTICAL UNIT HELPS TO CONTROL REFLECTANCE AND AVOID UNWANTED REFLECTIONS

THE ADJUSTABLE VERSIONS OF COMBINA D ALLOW THE BODY TO BE ROTATED THROUGH 350° AND TILTED THROUGH 30° TO DIRECT THE LIGHT BEAM PRECISELY



EASY TO WIRE BECAUSE ELECTRICAL CABLES CAN BE CONNECTED DIRECTLY TO THE CONNECTOR



THE PRIMER COATING MEANS THE COVER CAN BE FINISHED IN THE SAME PAINT AS THE CEILING, SO THAT THE FIXTURE BLENDS INTO THE BACKGROUND

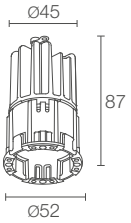


COMBINA D 1





COMBINA D 1.0



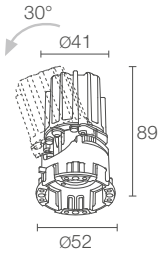
Required installation accessories, not included

kg 0.30 IP40 IP44 with filter

A A+ A++

POWER / POWER SUPPLY CODE	**max 6W max 500mA** **CC10201000 0 0**
CRI	CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**flat/shallow cover:** **S** - 16° **M** - 22° **L** - 33° **deep cover:** **S** - 16° **M** - 23° **L** - 42°
LUMEN OUTPUT AT SOURCE	637 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	345 lm (3000K, 500mA, 16°)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
POWER SUPPLY UNIT	not included, see p. 452 and 844
POWER CABLES	includes 2x0.30 m single-core PVC cables
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 448 - 451
FEATURES	UGR <13 for versions with flat and shallow covers UGR <19 for versions with deep cover
PHOTOMETRIC DATA	see p. 745 and 746

COMBINA D 1.1



Required installation accessories, not included

kg 0.30 IP40 IP44 with filter

A A+ A++

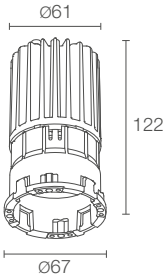
	max 6W max 500mA **CC11201000 0 0**
	CRI >90
	F - 2700K **5** - 3000K **9** - 4000K
	S - 16° tiltable ±30° **M** - 22° tiltable ±30° **L** - 33° tiltable ±30°
	637 lm (3000K, 500mA)
	293 lm (3000K, 500mA, 16°)
	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
	not included, see p. 452 and 844
	includes 2x0.30 m single-core PVC cables
	series
	recessed (ceiling)
	see p. 448 - 451
	UGR <13
	see p. 745 and 746

COMBINA D 2





COMBINA D 2.0



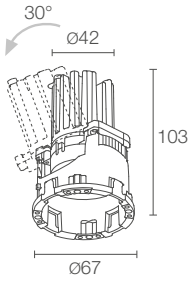
Required installation accessories, not included

kg 0.50 IP40 IP44 with filter

A A+ A++

POWER / POWER SUPPLY **CODE**	**max 11W max 300mA** **CC2020 000 0 0**
CRI	**1** - CRI >90 **2** - CRI >97 (only 2700K, 3000K)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 25° **M** - 30° **L** - 36°
LUMEN OUTPUT AT SOURCE	960 lm (3000K, 300mA, CRI >90)
DELIVERED LUMEN OUTPUT	907 lm (3000K, 300mA, 36°, CRI >90)
NO. AND TYPE OF LED	1 high intensity power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
POWER SUPPLY UNIT	not included, see p. 452 and 844
POWER CABLES	includes 2x0.30 m single-core PVC cables
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 448 - 451
FEATURES	UGR <13 for versions with flat and shallow covers UGR <19 for versions with deep cover
PHOTOMETRIC DATA	see p. 746 and 747

COMBINA D 2.1



Required installation accessories, not included

kg 0.50 IP40 IP44 with filter

A A+ A++

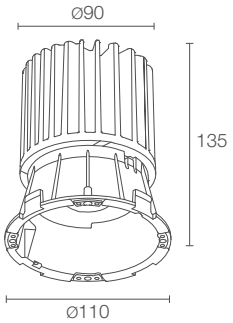
	max 11W max 300mA **CC2120 000 0 0**
	1 - CRI >90 **2** - CRI >97 (only 2700K, 3000K)
	F - 2700K **5** - 3000K **9** - 4000K
	S - 25° tiltable ±30° **M** - 30° tiltable ±30° **L** - 36° tiltable ±30°
	960 lm (3000K, 300mA, CRI >90)
	756 lm (3000K, 300mA, 36°, CRI >90)
	1 high intensity power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
	not included, see p. 452 and 844
	includes 2x0.30 m single-core PVC cables
	series
	recessed (ceiling)
	see p. 448 - 451
	UGR <13
	see p. 746 and 747

COMBINA D 3





COMBINA D 3.0



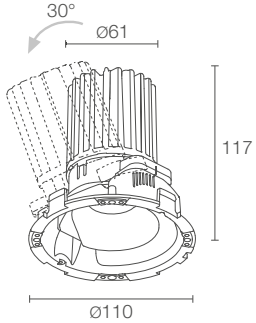
Required installation accessories, not included

kg 0.90 IP40 IP44 with filter

A A+ A++

POWER / POWER SUPPLY **CODE**	**max 15W max 400mA** **CC3020 000 0 0**
CRI	**1** - CRI >90 **2** - CRI >97 (only 2700K, 3000K)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 18° **M** - 29° **L** - 36°
LUMEN OUTPUT AT SOURCE	1349 lm (3000K, 400mA, CRI >90)
DELIVERED LUMEN OUTPUT	1177 lm (3000K, 400mA, 36°, CRI >90)
NO. AND TYPE OF LED	1 high intensity power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
POWER SUPPLY UNIT	not included, see p. 452 and 844
POWER CABLES	includes 2x0.30 m single-core PVC cables
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 448 - 451
FEATURES	UGR <13 for versions with flat and shallow covers UGR <19 for versions with deep cover
PHOTOMETRIC DATA	see p. 748 and 749

COMBINA D 3.1



Required installation accessories, not included

kg 0.90 IP40 IP44 with filter

A A+ A++

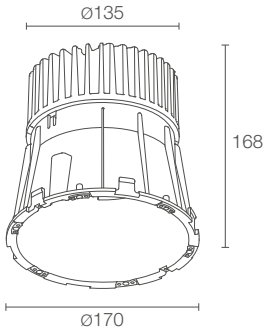
	max 15W max 400mA **CC3120 000 0 0**
	1 - CRI >90 **2** - CRI >97 (only 2700K, 3000K)
	F - 2700K **5** - 3000K **9** - 4000K
	S - 18° tiltable ±30° **M** - 29° tiltable ±30° **L** - 36° tiltable ±30°
	1349 lm (3000K, 400mA, CRI >90)
	1094 lm (3000K, 400mA, 36°, CRI >90)
	1 high intensity power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
	not included, see p. 452 and 844
	includes 2x0.30 m single-core PVC cables
	series
	recessed (ceiling)
	see p. 448 - 451
	UGR <13
	see p. 748 and 749

COMBINA D 4





COMBINA D 4.0



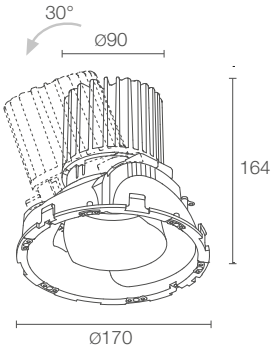
Required installation accessories, not included

kg 1.25 IP40 IP44 with filter

A A+ A++

POWER / POWER SUPPLY **CODE**	**max 29W max 800mA** **CC4020 000 0 0**
CRI	**1** - CRI >90 **2** - CRI >97 (only 2700K, 3000K)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**flat/shallow cover:** **S** - 20° **M** - 29° **L** - 38° **deep cover:** **S** - 21° **M** - 30° **L** - 41°
LUMEN OUTPUT AT SOURCE	2829 lm (3000K, 800mA, CRI >90)
DELIVERED LUMEN OUTPUT	2363 lm (3000K, 800mA, 41°, CRI >90)
NO. AND TYPE OF LED	1 high intensity power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
POWER SUPPLY UNIT	not included, see p. 452 and 844
POWER CABLES	includes 2x0.30 m single-core PVC cables
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 448 - 451
FEATURES	UGR <13 for versions with flat and shallow covers UGR <19 for versions with deep cover
PHOTOMETRIC DATA	see p. 749 and 750

COMBINA D 4.1



Required installation accessories, not included

kg 1.00 IP40 IP44 with filter

A A+ A++

	max 29W max 800mA **CC4120 000 0 0**
	1 - CRI >90 **2** - CRI >97 (only 2700K, 3000K)
	F - 2700K **5** - 3000K **9** - 4000K
	S - 20° tiltable ±30° **M** - 29° tiltable ±30° **L** - 38° tiltable ±30°
	2829 lm (3000K, 800mA, CRI >90)
	2260 lm (3000K, 800mA, 20°, CRI >90)
	1 high intensity power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in die-cast aluminium and Bayblend bezel and cover in die-cast aluminium
	not included, see p. 452 and 844
	includes 2x0.30 m single-core PVC cables
	series
	recessed (ceiling)
	see p. 448 - 451
	UGR <13
	see p. 749 and 750

COMBINA D

ACCESSORIES

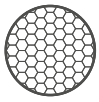
	COMBINA D 1	COMBINA D 2	COMBINA D 3	COMBINA D 4
ACCESSORIES required installation accessories, not included				
 Flat, round cover	**WZCC1010E** White **WZCC1010N** Black **WZCC1010Z** Antique bronze **WZCC10108** Primer	**WZCC2010E** White **WZCC2010N** Black **WZCC2010Z** Antique bronze **WZCC20108** Primer	**WZCC3010E** White **WZCC3010N** Black **WZCC3010Z** Antique bronze **WZCC30108** Primer	**WZCC4010E** White **WZCC4010N** Black **WZCC4010Z** Antique bronze **WZCC40108** Primer
 Shallow, round cover	**WZCC1030E** White **WZCC1030N** Black **WZCC1030Z** Antique bronze **WZCC10308** Primer	**WZCC2030E** White **WZCC2030N** Black **WZCC2030Z** Antique bronze **WZCC20308** Primer	**WZCC3030E** White **WZCC3030N** Black **WZCC3030Z** Antique bronze **WZCC30308** Primer	**WZCC4030E** White **WZCC4030N** Black **WZCC4030Z** Antique bronze **WZCC40308** Primer
 Deep, round cover	**WZCC1050E** White **WZCC1050N** Black **WZCC1050Z** Antique bronze **WZCC10508** Primer (Combina D 1.0)	**WZCC2050E** White **WZCC2050N** Black **WZCC2050Z** Antique bronze **WZCC20508** Primer (Combina D 2.0)	**WZCC3050E** White **WZCC3050N** Black **WZCC3050Z** Antique bronze **WZCC30508** Primer (Combina D 3.0)	**WZCC4050E** White **WZCC4050N** Black **WZCC4050Z** Antique bronze **WZCC40508** Primer (Combina D 4.0)

	COMBINA D 1	COMBINA D 2	COMBINA D 3	COMBINA D 4
ACCESSORIES required installation accessories, not included				
 Flat, square cover	**WZCC1020E** White **WZCC1020N** Black **WZCC1020Z** Antique bronze **WZCC10208** Primer	**WZCC2020E** White **WZCC2020N** Black **WZCC2020Z** Antique bronze **WZCC20208** Primer	**WZCC3020E** White **WZCC3020N** Black **WZCC3020Z** Antique bronze **WZCC30208** Primer	**WZCC4020E** White **WZCC4020N** Black **WZCC4020Z** Antique bronze **WZCC40208** Primer
 Shallow, square cover	**WZCC1040E** White **WZCC1040N** Nero **WZCC1040Z** Antique bronze **WZCC10408** Primer	**WZCC2040E** White **WZCC2040N** Nero **WZCC2040Z** Antique bronze **WZCC20408** Primer	**WZCC3040E** White **WZCC3040N** Nero **WZCC3040Z** Antique bronze **WZCC30408** Primer	**WZCC4040E** White **WZCC4040N** Nero **WZCC4040Z** Antique bronze **WZCC40408** Primer
 Deep, square cover	**WZCC1060E** White **WZCC1060N** Black **WZCC1060Z** Antique bronze **WZCC10608** Primer (Combina D 1.0)	**WZCC2060E** White **WZCC2060N** Black **WZCC2060Z** Antique bronze **WZCC20608** Primer (Combina D 2.0)	**WZCC3060E** White **WZCC3060N** Black **WZCC3060Z** Antique bronze **WZCC30608** Primer (Combina D 3.0)	**WZCC4060E** White **WZCC4060N** Black **WZCC4060Z** Antique bronze **WZCC40608** Primer (Combina D 4.0)

COMBINA D

ACCESSORIES

	COMBINA D 1	COMBINA D 2	COMBINA D 3	COMBINA D 4
ACCESSORIES PRODUCT CONFIGURATION				
 Round bezel for installation flush with ceiling	**WGCC10A1F** Ø78 mm	**WGCC20A1F** Ø93 mm	**WGCC30A1F** Ø145 mm	**WGCC40A1F** Ø210 mm
 Square bezel for installation flush with ceiling	**WGCC10A2F** 78x78 mm	**WGCC20A2F** 92x92 mm	**WGCC30A2F** 145x145 mm	**WGCC40A2F** 210x210 mm
 Round bezel for rebated installation	**WGCC10A1T** Ø60 mm	**WGCC20A1T** Ø75 mm	**WGCC30A1T** Ø125 mm	**WGCC40A1T** Ø187 mm
 Square bezel for rebated installation	**WGCC10A2T** 60x60 mm	**WGCC20A2T** 75x75 mm	**WGCC30A2T** 125x125 mm	**WGCC40A2T** 187x187 mm

	COMBINA D 1	COMBINA D 2	COMBINA D 3	COMBINA D 4
ACCESSORIES				
 Honeycomb louvre	**WHCC10A1** round cover: flat, shallow, deep square cover: deep **WHCC10A2** square cover: flat, shallow	**WHCC20A1** round cover: flat, shallow, deep square cover: deep **WHCC20A2** square cover: flat, shallow	**WHCC30A1** round and square covers: flat, shallow	**WHCC40A1** round and square covers: flat, shallow **WHCC40A3** round and square covers: deep
 Diffuser filter	**WRCC10R1D** round cover: flat, shallow, deep square cover: deep **WRCC10S1D** square cover: flat, shallow	**WRCC20R1D** round cover: flat, shallow, deep square cover: deep **WRCC20S1D** square cover: flat, shallow	**WRCC30R1D** round and square covers: flat, shallow	**WRCC40R1D** round and square covers: flat, shallow **WRCC40R3D** round and square covers: deep
 Elliptical filter	**WRCC10R1W** round cover: flat, shallow, deep square cover: deep **WRCC10S1W** square cover: flat, shallow	**WRCC20R1W** round cover: flat, shallow, deep square cover: deep **WRCC20S1W** square cover: flat, shallow	**WRCC30R1W** round and square covers: flat, shallow	**WRCC40R1W** round and square covers: flat, shallow **WRCC40R3W** round and square covers: deep
 Transparent IP44 screen	**WRCC10R1T** round cover: flat, shallow, deep square cover: deep **WRCC10S1T** square cover: flat, shallow	**WRCC20R1T** round cover: flat, shallow, deep square cover: deep **WRCC20S1T** square cover: flat, shallow	**WRCC30R1T** round and square covers: flat, shallow	**WRCC40R1T** round and square covers: flat, shallow **WRCC40R3T** round and square covers: deep

COMBINA D

POWER SUPPLY UNITS

POWER SUPPLY UNITS Combina D 1.0 / 1.1

500mA

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/3	ACUNI020T1	20	844 845
1/2	A15500QL	20	845
1/3	A310500QL	20	845
1/3	AD030DALIT1AM	20	848 849 852
1/3	ACUN1042T1	20	844
1/4 Dimmer	AD030DALIT1	20	848 849 852

POWER SUPPLY UNITS Combina D 2.0 / 2.1

300mA

Max no. fixtures	PSU	IP	Page
1	A19220TC	20	844
1	ACUNIC30T1	20	844 845
1 Dimmer	AD030DALIT1AM	20	848 849 852
1	AD030DALIT1	20	848 849 852
1	ACUNI042T1	20	844

POWER SUPPLY UNITS Combina D 3.0 / 3.1

400mA

Max no. fixtures	PSU	IP	Page
1	A19220TC	20	844
1	ACUNIC30T1	20	844 845
1 Dimmer	AD030DALIT1AM	20	848 849 852
1	AD030DALIT1	20	848 849 852
1	ACUNI042T1	20	844

POWER SUPPLY UNITS Combina D 4.0 / 4.1

800mA

Max no. fixtures	PSU	IP	Page
1	ACUNI042T1	20	844

COMBINA D 2.1 >
3000K, 11W, 30°-36°
white, flat, square cover
rebated installation

Courtesy of / Euromobil Cucine





TURIS

INDOOR RECESSED DOWNLIGHTS
GENERAL LIGHT FOR PRIVATE HOMES

diffuse

2700K 3000K 4000K

4.5W	5.5W/11W	11W/15W	15W/22W	22W/30W
24VDC	230VAC	230VAC	230VAC	230VAC
5.5W	DALI	DALI	DALI	DALI
230VAC	1-10V	1-10V	1-10V	1-10V
ON/OFF	MAINS DIMMING	MAINS DIMMING	MAINS DIMMING	ON/OFF
	ON/OFF	ON/OFF	ON/OFF	

ROUND COVER





TURIS MINI 1.1 p. 456
Ø44 mm



TURIS 1.1 p. 458
Ø62 mm



TURIS 3.1 p. 462
Ø100 mm



TURIS 5.1 p. 465
Ø128,5 mm



TURIS 7.1 p. 467
Ø162 mm





TURIS 1.3 p. 459
Ø62 mm



TURIS 3.3 p. 463
Ø100 mm

SQUARE COVER





TURIS MINI 1.0 p. 456
42x42 mm



TURIS 1.0 p. 458
61x61 mm



TURIS 3.0 p. 462
97x97 mm



TURIS 5.0 p. 465
133x133 mm

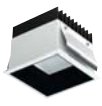


TURIS 7.0 p. 467
161x161 mm





TURIS 1.2 p. 459
61x61 mm



TURIS 3.2 p. 463
97x97 mm





TURIS 2.0 p. 461
70x70 mm



TURIS 4.0 p. 464
94x94 mm



TURIS 6.0 p. 466
137x137 mm



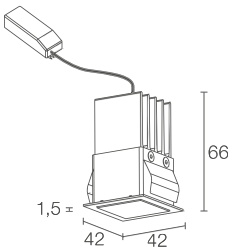
TURIS 8.0 p. 469
166x166 mm

< TURIS 1.0
3000K, 11W, white

TURIS MINI



TURIS MINI 1.0



Power supply unit included in the 230Vac version

140x140 mm
H 120 mm

37x37 mm

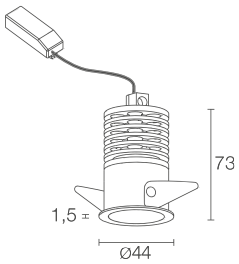
kg 0.15 IP40 IP44 installed

A A+ A++

POWER / POWER SUPPLY CODE	5.5W 230Vac **MT1011 D B** White 4.5W 24Vdc **MT1001 D B** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K RGB on request
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	460 lm (3000K)
DELIVERED LUMEN OUTPUT	295 lm (3000K)
NO. AND TYPE OF LED	1 multichip power LED 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	230Vac: included and wired 24Vdc: not included, see p. 470
POWER CABLES	230Vac: includes 0.30 m cable 24Vdc: includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	230Vac: on/off 24Vdc: dimmable with remote PSU CRI >90
PHOTOMETRIC DATA	see p. 831



TURIS MINI 1.1



Power supply unit included in the 230Vac version

Ø 140 mm
H 120 mm

Ø 40 mm

kg 0.15 IP40 IP44 installed

A A+ A++

	5.5W 230Vac **MT1111 D B** White **MT1111 D C** Chrome 4.5W 24Vdc **MT1101 D B** White **MT1101 D C** Chrome
	F - 2700K **5** - 3000K **9** - 4000K RGB on request
	diffuse
	460 lm (3000K)
	310 lm (3000K)
	1 multichip power LED 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
	230Vac: included and wired 24Vdc: not included, see p. 470
	230Vac: includes 0.30 m cable 24Vdc: includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	recessed (ceiling)
	see p. 470
	230Vac: on/off 24Vdc: dimmable with remote PSU CRI >90
	see p. 831

TURIS MINI 1.1 >
3000K, 5.5W, chrome

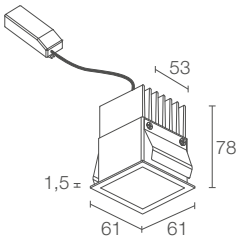
Project by / Studio di Architettura Andrea Abbadessa,
ing. Ignazio Stancanelli, ing. Giuseppe Malatino
Light planning by / Light Style
Maniace-Ortigia, Syracuse, Italy


BOODLES
GIN

TURIS 1



TURIS 1.0



140x140 mm
H 130 mm

56x56 mm

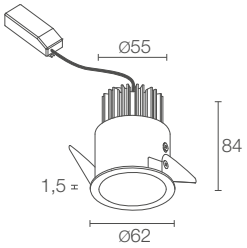
kg 0.37 IP40 IP44 installed

A A+ A++

POWER SUPPLY	230Vac
CODE	**TU101 D B** White **TU101 D N** Black **TU101 D G** Grey 230Vac 1-10V + PUSH **TU101 D BR** White **TU101 D NR** Black **TU101 D GR** Grey 230Vac DALI **TU101 D BD** White **TU101 D ND** Black **TU101 D GD** Grey 230Vac MAINS DIMMING 11W **TU1010 D BT** White **TU1010 D NT** Black **TU1010 D GT** Grey
POWER	**1** - 5.5W **0** - 11W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K RGB on request
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	644 lm (3000K, 5.5W) 1251 lm (3000K, 11W)
DELIVERED LUMEN OUTPUT	295 lm (3000K, 5.5W) 1003 lm (3000K, 11W)
NO. AND TYPE OF LED	1 power LED (5.5W version) 4 power LEDs (11W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 831



TURIS 1.1



Ø 130 mm
H 130 mm

Ø 57 mm

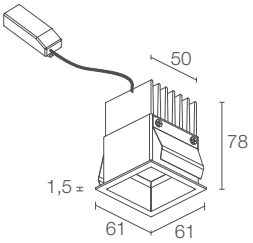
kg 0.33 IP40 IP44 installed

A A+ A++

	230Vac
	TU110 D B White **TU110 D N** Black **TU110 D G** Grey 230Vac 1-10V + PUSH **TU110 D BR** White **TU110 D NR** Black **TU110 D GR** Grey 230Vac DALI **TU110 D BD** White **TU110 D ND** Black **TU110 D GD** Grey 230Vac MAINS DIMMING 11W **TU1100 D BT** White **TU1100 D NT** Black **TU1100 D GT** Grey
	1 - 5.5W **0** - 11W
	F - 2700K **5** - 3000K **9** - 4000K RGB on request
	diffuse
	644 lm (3000K, 5.5W) 1251 lm (3000K, 11W)
	310 lm (3000K, 5.5W) 944 lm (3000K, 11W)
	1 power LED (5.5W version) 4 power LEDs (11W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 470
	CRI >90
	see p. 831



TURIS 1.2



140x140 mm
H 130 mm

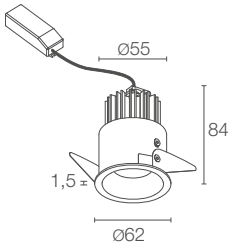
56x56 mm

CE LED TECH kg 0.37 IP40 IP44 installed
A A+ A++

	230Vac **TU121** **D B** White **TU121** **D N** Black **TU121** **D G** Grey 230Vac 1-10V + PUSH **TU121** **D BR** White **TU121** **D NR** Black **TU121** **D GR** Grey 230Vac DALI **TU121** **D BD** White **TU121** **D ND** Black **TU121** **D GD** Grey 230Vac MAINS DIMMING 11W **TU1210** **D BT** White **TU1210** **D NT** Black **TU1210** **D GT** Grey
	1 - 5.5W **0** - 11W
	F - 2700K **5** - 3000K **9** - 4000K RGB on request
	diffuse
	644 lm (3000K, 5.5W) 1251 lm (3000K, 11W)
	303 lm (3000K, 5.5W) 631 lm (3000K, 11W)
	1 power LED (5.5W version) 4 power LEDs (11W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 470
	CRI >90
	see p. 831



TURIS 1.3



Ø 130 mm
H 130 mm

Ø 57 mm

CE LED TECH kg 0.37 IP40 IP44 installed
A A+ A++

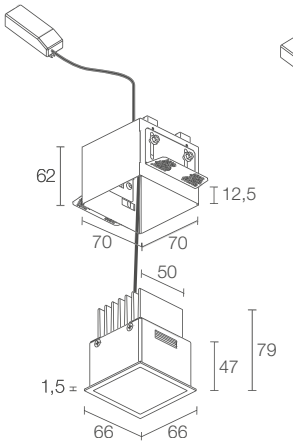
	230Vac **TU131** **D B** White **TU131** **D N** Black **TU131** **D G** Grey 230Vac 1-10V + PUSH **TU131** **D BR** White **TU131** **D NR** Black **TU131** **D GR** Grey 230Vac DALI **TU131** **D BD** White **TU131** **D ND** Black **TU131** **D GD** Grey 230Vac MAINS DIMMING 11W **TU1310** **D BT** White **TU1310** **D NT** Black **TU1310** **D GT** Grey
	1 - 5.5W **0** - 11W
	F - 2700K **5** - 3000K **9** - 4000K RGB on request
	diffuse
	644 lm (3000K, 5.5W) 1251 lm (3000K, 11W)
	302 lm (3000K, 5.5W) 629 lm (3000K, 11W)
	1 power LED (5.5W version) 4 power LEDs (11W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 470
	CRI >90
	see p. 832

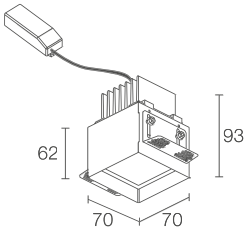


TURIS 2



TURIS 2.0





Required outer casing, not included

150x150 mm
H 140 mm

70x70 mm

kg 0.30 IP40 IP44 installed

A A+ A++

POWER SUPPLY **CODE**	230Vac **TU201 D B** 230Vac 1-10V + PUSH **TU201 D BR** 230Vac DALI **TU201 D BD** 230Vac MAINS DIMMING 11W **TU2010 D BT**
POWER	**1** - 5.5W **0** - 11W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K RGB on request
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	644 lm (3000K, 5.5W) 1251 lm (3000K, 11W)
DELIVERED LUMEN OUTPUT	295 lm (3000K, 5.5W) 1003 lm (3000K, 11W)
NO. AND TYPE OF LED	1 power LED (5.5W version) 4 power LEDs (11W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 831

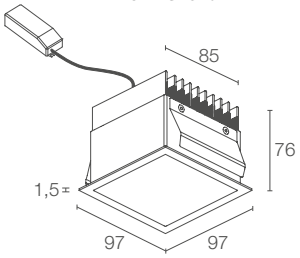
< TURIS 1.0
3000K, 11W, white

Light planning by / Imat Felco Como
Executed by / Punto Luce di Simonetti Wimmer
Photo by / Alessio Tamborini
Private residence, Como, Italy

TURIS 3



TURIS 3.0



170x170 mm
H 130 mm

90x90 mm

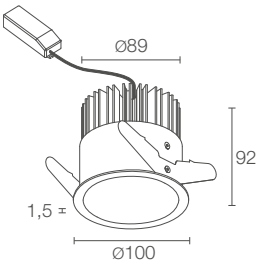
kg 0.71 IP40 IP44 installed

A A+ A++

POWER SUPPLY **CODE**	230Vac **TU301 D B** White **TU301 D N** Black **TU301 D G** Grey 230Vac 1-10V + PUSH **TU301 D BR** White **TU301 D NR** Black **TU301 D GR** Grey 230Vac DALI **TU301 D BD** White **TU301 D ND** Black **TU301 D GD** Grey 230Vac MAINS DIMMING **TU301 D BT** White **TU301 D NT** Black **TU301 D GT** Grey
POWER	**1** - 11W **0** - 15W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1251 lm (3000K, 11W) 1870 lm (3000K, 15W)
DELIVERED LUMEN OUTPUT	975 lm (3000K, 11W) 1463 lm (3000K, 15W)
NO. AND TYPE OF LED	4 power LEDs (11W version) 6 power LEDs (15W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 832



TURIS 3.1



Ø 190 mm
H 160 mm

Ø 90 mm

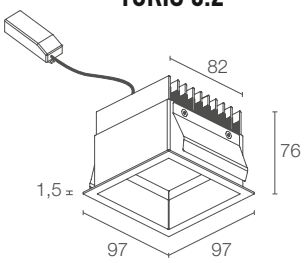
kg 0.67 IP40 IP44 installed

A A+ A++

230Vac **TU310 D B** White **TU310 D N** Black **TU310 D G** Grey 230Vac 1-10V + PUSH **TU310 D BR** White **TU310 D NR** Black **TU310 D GR** Grey 230Vac DALI **TU310 D BD** White **TU310 D ND** Black **TU310 D GD** Grey 230Vac MAINS DIMMING **TU310 D BT** White **TU310 D NT** Black **TU310 D GT** Grey
1 - 11W **0** - 15W
F - 2700K **5** - 3000K **9** - 4000K
diffuse
1251 lm (3000K, 11W) 1870 lm (3000K, 15W)
954 lm (3000K, 11W) 1431 lm (3000K, 15W)
4 power LEDs (11W version) 6 power LEDs (15W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
included and wired
includes 0.30 m cable
recessed (ceiling)
see p. 470
CRI >90
see p. 832



TURIS 3.2



170x170 mm
H 130 mm

90x90 mm

kg 0.71 IP40 IP44 installed

A A+ A++

230Vac
TU321 **D B** White
TU321 **D N** Black
TU321 **D G** Grey

230Vac 1-10V + PUSH
TU321 **D BR** White
TU321 **D NR** Black
TU321 **D GR** Grey

230Vac DALI
TU321 **D BD** White
TU321 **D ND** Black
TU321 **D GD** Grey

230Vac MAINS DIMMING
TU321 **D BT** White
TU321 **D NT** Black
TU321 **D GT** Grey

1 - 11W
0 - 15W

F - 2700K
5 - 3000K
9 - 4000K

diffuse

1251 lm (3000K, 11W)
1870 lm (3000K, 15W)

755 lm (3000K, 11W)
1117 lm (3000K, 15W)

4 power LEDs (11W version)
6 power LEDs (15W version)
3-step MacAdam, 50000h L80 B10 (Ta 25°C)

body in black-anodized aluminium
trim in steel
screen in one-side-frosted, transparent plexiglass

included and wired

includes 0.30 m cable

recessed (ceiling)

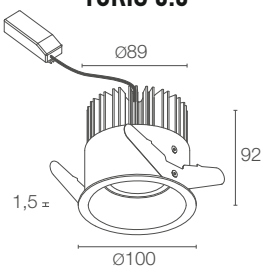
see p. 470

CRI >90

see p. 832



TURIS 3.3



Ø 190 mm
H 160 mm

Ø 90 mm

kg 0.67 IP40 IP44 installed

A A+ A++

230Vac
TU331 **D B** White
TU331 **D N** Black
TU331 **D G** Grey

230Vac 1-10V + PUSH
TU331 **D BR** White
TU331 **D NR** Black
TU331 **D GR** Grey

230Vac DALI
TU331 **D BD** White
TU331 **D ND** Black
TU331 **D GD** Grey

230Vac MAINS DIMMING
TU331 **D BT** White
TU331 **D NT** Black
TU331 **D GT** Grey

1 - 11W
0 - 15W

F - 2700K
5 - 3000K
9 - 4000K

diffuse

1251 lm (3000K, 11W)
1870 lm (3000K, 15W)

784 lm (3000K, 11W)
1160 lm (3000K, 15W)

4 power LEDs (11W version)
6 power LEDs (15W version)
3-step MacAdam, 50000h L80 B10 (Ta 25°C)

body in black-anodized aluminium
trim in steel
screen in one-side-frosted, transparent plexiglass

included and wired

includes 0.30 m cable

recessed (ceiling)

see p. 470

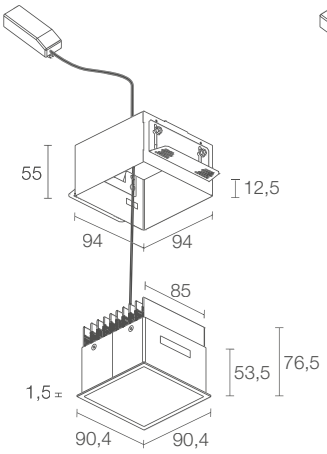
CRI >90

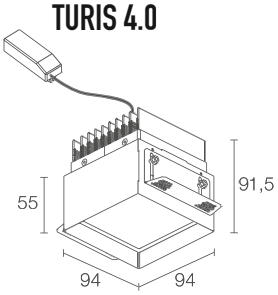
see p. 832

TURIS 4



TURIS 4.0





Required outer casing, not included

180x180 mm
H 140 mm

95x95 mm

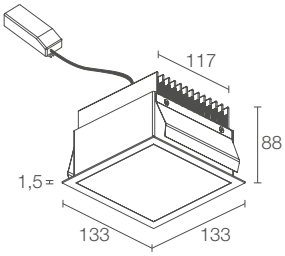
kg 0.50 IP40 IP44 installed

POWER SUPPLY **CODE**	230Vac **TU401 ■ ■ D B** 230Vac 1-10V + PUSH **TU401 ■ ■ D BR** 230Vac DALI **TU401 ■ ■ D BD** 230Vac MAINS DIMMING **TU401 ■ ■ D BT**
■ **POWER**	**1** - 11W **0** - 15W
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1251 lm (3000K, 11W) 1870 lm (3000K, 15W)
DELIVERED LUMEN OUTPUT	975 lm (3000K, 11W) 1463 lm (3000K, 15W)
NO. AND TYPE OF LED	4 power LEDs (11W version) 6 power LEDs (15W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 832

TURIS 5



TURIS 5.0



200x200 mm
H 130 mm

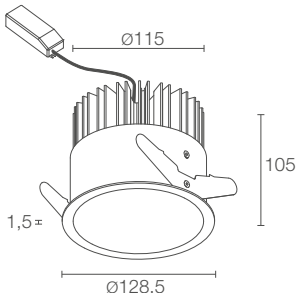
125x125 mm

kg 1.05 IP40 IP44 installed

A A+ A++



TURIS 5.1



Ø 220 mm
H 160 mm

Ø 117 mm

kg 0.70 IP40 IP44 installed

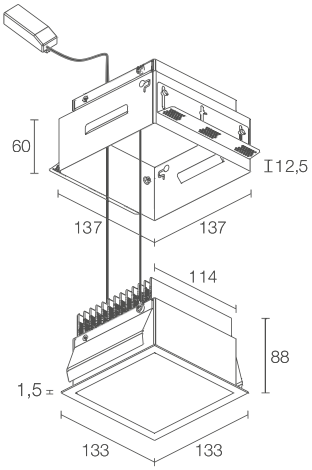
A A+ A++

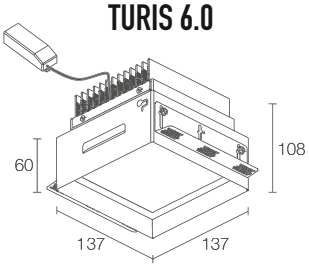
POWER SUPPLY **CODE**	230Vac **TU501 D B** White **TU501 D N** Black **TU501 D G** Grey 230Vac 1-10V + PUSH **TU501 D BR** White **TU501 D NR** Black **TU501 D GR** Grey 230Vac DALI + PUSH **TU501 D BD** White **TU501 D ND** Black **TU501 D GD** Grey 230Vac MAINS DIMMING **TU501 D BT** White **TU501 D NT** Black **TU501 D GT** Grey	230Vac **TU510 D B** White **TU510 D N** Black **TU510 D G** Grey 230Vac 1-10V + PUSH **TU510 D BR** White **TU510 D NR** Black **TU510 D GR** Grey 230Vac DALI + PUSH **TU510 D BD** White **TU510 D ND** Black **TU510 D GD** Grey 230Vac MAINS DIMMING **TU510 D BT** White **TU510 D NT** Black **TU510 D GT** Grey
POWER	**1** - 15W **0** - 22W	**1** - 15W **0** - 22W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse	diffuse
LUMEN OUTPUT AT SOURCE	1870 lm (3000K, 15W) 2231 lm (3000K, 22W)	1870 lm (3000K, 15W) 2231 lm (3000K, 22W)
DELIVERED LUMEN OUTPUT	1312 lm (3000K, 15W) 1750 lm (3000K, 22W)	1312 lm (3000K, 15W) 1750 lm (3000K, 22W)
NO. AND TYPE OF LED	6 power LEDs (15W version) 8 power LEDs (22W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)	6 power LEDs (15W version) 8 power LEDs (22W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired	included and wired
POWER CABLES	includes 0.30 m cable	includes 0.30 m cable
MOUNTING	recessed (ceiling)	recessed (ceiling)
FEATURES	CRI >90	CRI >90
PHOTOMETRIC DATA	see p. 833	see p. 833

TURIS 6



TURIS 6.0





Required outer casing, not included

200x200 mm
H 130 mm

125x125 mm

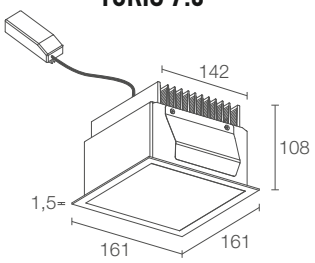
kg 0.85 IP40 IP44 installed

POWER SUPPLY **CODE**	230Vac **TU601 D B** White **TU601 D N** Black **TU601 D G** Grey 230Vac 1-10V + PUSH **TU601 D BR** White **TU601 D NR** Black **TU601 D GR** Grey 230Vac DALI + PUSH **TU601 D BD** White **TU601 D ND** Black **TU601 D GD** Grey 230Vac MAINS DIMMING **TU601 D BT** White **TU601 D NT** Black **TU601 D GT** Grey
POWER	**1** - 15W **0** - 22W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1870 lm (3000K, 15W) 2231 lm (3000K, 22W)
DELIVERED LUMEN OUTPUT	1312 lm (3000K, 15W) 1750 lm (3000K, 22W)
NO. AND TYPE OF LED	6 power LEDs (15W version) 8 power LEDs (22W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 833

TURIS 7



TURIS 7.0



250x250 mm
H 220 mm

150x150 mm

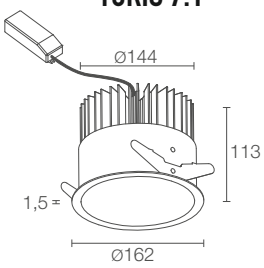
kg 2.15 IP40 IP44 installed

A A+ A++

POWER SUPPLY **CODE**	230Vac **TU700 D B** White **TU700 D N** Black **TU700 D G** Grey 230Vac 1-10V + PUSH **TU700 D BR** White **TU700 D NR** Black **TU700 D GR** Grey 230Vac DALI + PUSH **TU700 D BD** White **TU700 D ND** Black **TU700 D GD** Grey
POWER	**1** - 22W **0** - 30W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	2231 lm (3000K, 22W) 3380 lm (3000K, 30W)
DELIVERED LUMEN OUTPUT	1620 lm (3000K, 22W) 2430 lm (3000K, 30W)
NO. AND TYPE OF LED	8 power LEDs (22W version) 12 power LEDs (30W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
FEATURES	version with CRI >90 available on request
PHOTOMETRIC DATA	see p. 833



TURIS 7.1



Ø 250 mm
H 220 mm

Ø 150 mm

kg 2.20 IP40 IP44 installed

A A+ A++

	230Vac **TU710 D B** White **TU710 D N** Black **TU710 D G** Grey 230Vac 1-10V + PUSH **TU710 D BR** White **TU710 D NR** Black **TU710 D GR** Grey 230Vac DALI + PUSH **TU710 D BD** White **TU710 D ND** Black **TU710 D GD** Grey
	1 - 22W **0** - 30W
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	2231 lm (3000K, 22W) 3380 lm (3000K, 30W)
	1620 lm (3000K, 22W) 2430 lm (3000K, 30W)
	8 power LEDs (22W version) 12 power LEDs (30W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	version with CRI >90 available on request
	see p. 833



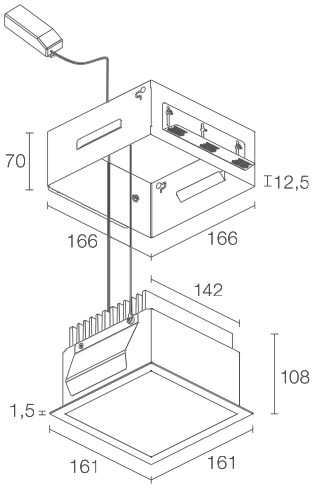
< **TURIS 7.0**
4000K, 30W, white

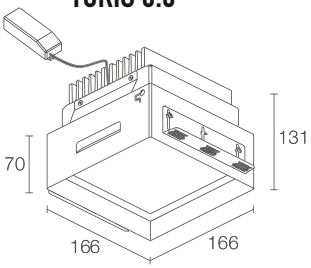
Project by / ARGE DD-TOL
AB Raum und Bau GmbH,
AB Fuchs und Rudolph,
AGZ Zimmermann, Arch. GmbH
Contractor / STESAD GmbH
Photo by / Robert Gommlich
Gymnasium Tolkewitz, Dresden, Germany

TURIS 8



TURIS 8.0





Required outer casing, not included

250x250 mm
H 170 mm

170x170 mm

kg 0.90 IP40 IP44 installed

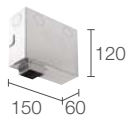
A A+ A++

POWER SUPPLY **CODE**	230Vac **TU800 D B** White **TU800 D N** Black **TU800 D G** Grey 230Vac 1-10V + PUSH **TU800 D BR** White **TU800 D NR** Black **TU800 D GR** Grey 230Vac DALI + PUSH **TU800 D BD** White **TU800 D ND** Black **TU800 D GD** Grey
POWER	**1** - 22W **0** - 30W
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	2231 lm (3000K, 22W) 3380 lm (3000K, 30W)
DELIVERED LUMEN OUTPUT	1620 lm (3000K, 22W) 2430 lm (3000K, 30W)
NO. AND TYPE OF LED	8 power LEDs (22W version) 12 power LEDs (30W version) 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 470
FEATURES	version with CRI >90 available on request
PHOTOMETRIC DATA	see p. 833

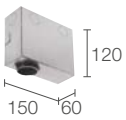
TURIS

ACCESSORIES AND POWER SUPPLY UNITS

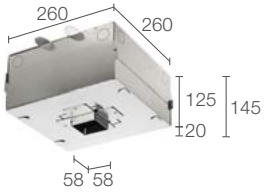
ACCESSORIES FOR INSTALLATION



WC3107
Outer casing for solid walls
(Turis Mini 1.0)



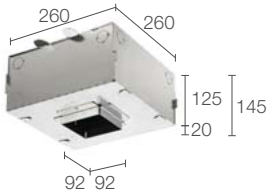
WC3108
Outer casing for solid walls
(Turis Mini 1.1)



WC3101
Outer casing for solid walls
(Turis 1.0 / 1.2)



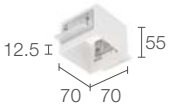
WC3105
Outer casing for solid walls
(Turis 1.1 / 1.3)



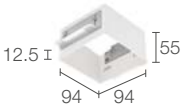
WC3103
Outer casing for solid walls
(Turis 3.0 / 3.2)



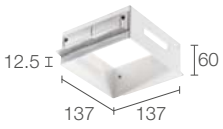
WC3106
Outer casing for solid walls
(Turis 3.1 / 3.3)



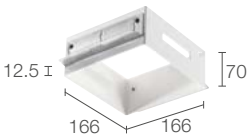
WC3102
Outer casing for plasterboard
(Turis 2.0)



WC3104
Outer casing for plasterboard
(Turis 4.0)



WC3109
Outer casing for plasterboard
(Turis 6.0)



WC3110
Outer casing for plasterboard
(Turis 8.0)

POWER SUPPLY UNITS Turis Mini 1.0 / 1.1, 24Vdc version

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847

TURIS 3.0 / TURIS 7.0 >
4000K, 15W - 30W, white

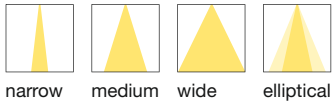
Project by / ARGE DD-TOL
AB Raum und Bau GmbH,
AB Fuchs und Rudolph,
AGZ Zimmermann, Arch. GmbH
Contractor / STESAD GmbH
Photo by / Robert Gommlich
Gymnasium Tolkewitz, Dresden, Germany

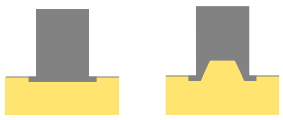




BITPOP

INDOOR RECESSED DOWNLIGHTS FOR OFFICES AND WORK SPACES





1 OPTICS





BITPOP 1.0 p. 474
6.5W 24Vdc
8W 230Vac
DALI, 1-10V, ON/OFF

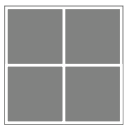
2 OPTICS IN A LINE





BITPOP 2.1 p. 475
10W 230Vac
15W 230Vac
DALI, 1-10V, ON/OFF

4 OPTICS IN A SQUARE





BITPOP 2.2 p. 475
18W 230Vac
26W 230Vac
DALI, 1-10V, ON/OFF

4 OPTICS IN A LINE





BITPOP 4.1 p. 476
18W 230Vac
26W 230Vac
DALI, 1-10V, ON/OFF

8 OPTICS IN A LINE





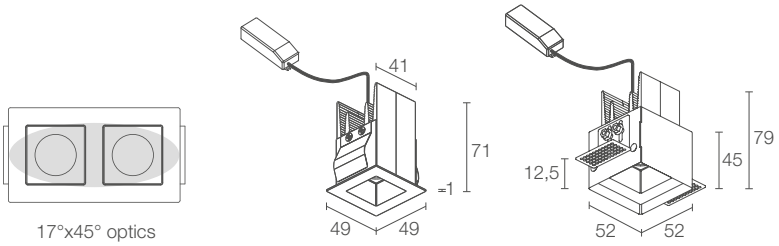
BITPOP 8.1 p. 477
35W 230Vac
50W 230Vac
DALI, 1-10V, ON/OFF

< **BITPOP 8.1**
3000K, 50W, 17°x45°, black
installation flush with ceiling

BITPOP



BITPOP 1.0



Power supply unit included in the 230Vac version
Outer casing for deep-set installation not included

140x140 mm
H 125 mm

43x43 mm

kg 0.26 IP40 IP44 installed

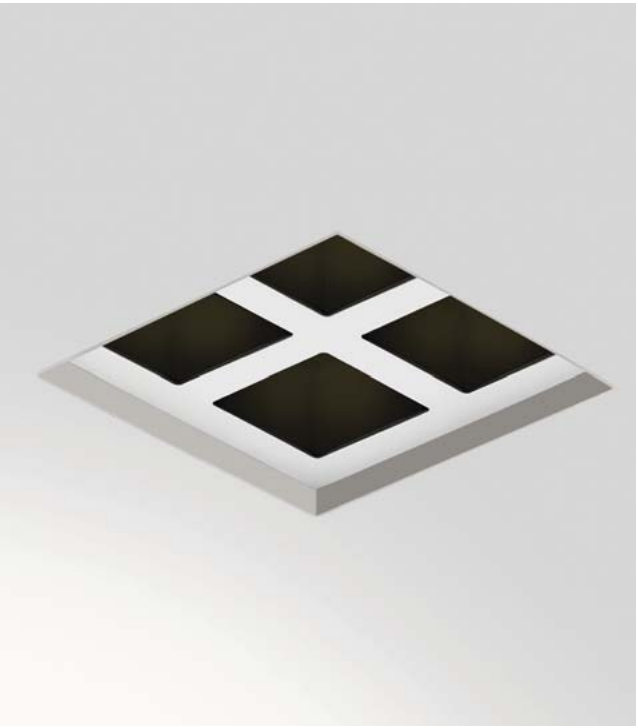
DALI 230Vac 24Vdc

A A+ A++

POWER / POWER SUPPLY CODE	6.5W 24Vdc **BP1000 W 0** White – white interior **BP1000 B 0** White – black interior **BP1000 N 0** Black – black interior 8W 230Vac **BP1010 W** White – white interior **BP1010 B** White – black interior **BP1010 N** Black – black interior
LED COLOUR	**1F** - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
OPTICS	**S** - 17° **F** - 30° **L** - 42° **W**- 17°x45°
CONTROL SYSTEM	**0** - on/off **R** - 1-10V + PUSH **D** - DALI + PUSH
LUMEN OUTPUT AT SOURCE	480 lm (3000K)
DELIVERED LUMEN OUTPUT	335 lm (3000K, 30°)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel
POWER SUPPLY UNIT	24Vdc: not included, see p. 478 230Vac: included and wired
POWER CABLES	24Vdc: includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm 230Vac: includes 0.30 m cable
MOUNTING	recessed (ceiling: flush or deep set)
ACCESSORIES	see p. 478
FEATURES	UGR < 10 for the 17° and 30° optics
NOTES	ceiling-mounted version: Bitpop C, p. 614
PHOTOMETRIC DATA	see p. 726

v
BITPOP 2.2
3000K, 26W, 17°, white
installation flush with ceiling

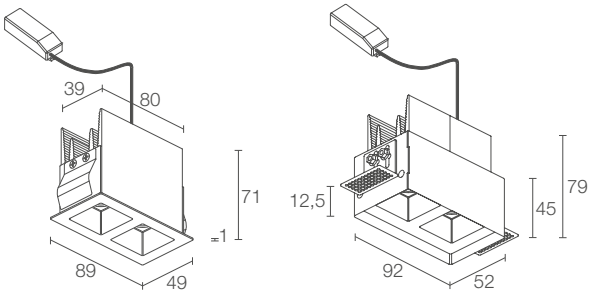




^
BITPOP 2.2
3000K, 26W, 17°, white
deep-set installation with outer casing



BITPOP 2.1



Outer casing for deep-set installation not included

170x90 mm
H 130 mm

83x42 mm

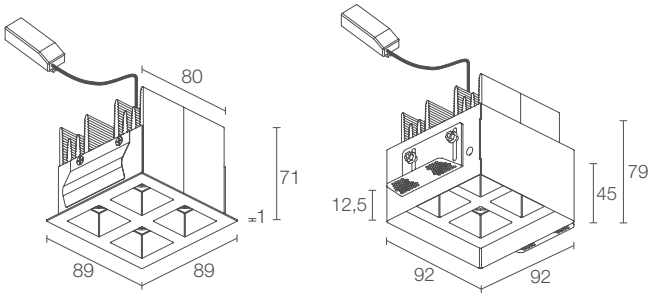
kg 0.35 IP40 IP44 installed

A A+ A++

	10W 230Vac **BP2110** ■ ■ **W** ■ White – white interior **BP2110** ■ ■ **B** ■ White – black interior **BP2110** ■ ■ **N** ■ Black – black interior 15W 230Vac **BP2111** ■ ■ **W** ■ White – white interior **BP2111** ■ ■ **B** ■ White – black interior **BP2111** ■ ■ **N** ■ Black – black interior
■	**1F** - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
■	**S** - 17° **F** - 30° **L** - 42° **W** - 17°x45°
■	**0** - on/off **R** - 1-10V + PUSH **D** - DALI
	700 lm (3000K, 10W) 960 lm (3000K, 15W)
	496 lm (3000K, 30°, 10W) 670 lm (3000K, 30°, 15W)
	2 high intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling: flush or deep set)
	see p. 478
	UGR < 10 for the 17° and 30° optics
	ceiling-mounted version: Bitpop C, p. 615
	see p. 726



BITPOP 2.2



Outer casing for deep-set installation not included

170x170 mm
H 130 mm

82x82 mm

kg 0.96 IP40 IP44 installed

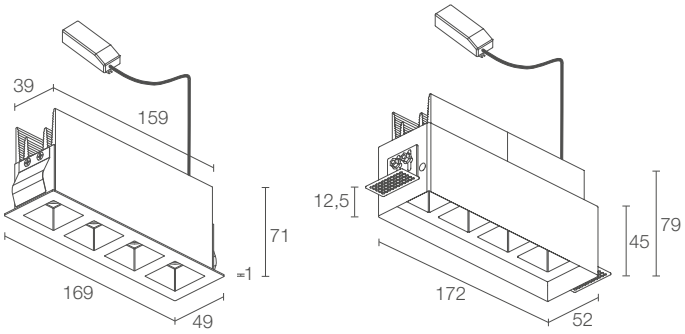
A A+ A++

	18W 230Vac **BP2210** ■ ■ **W** ■ White – white interior **BP2210** ■ ■ **B** ■ White – black interior **BP2210** ■ ■ **N** ■ Black – black interior 26W 230Vac **BP2211** ■ ■ **W** ■ White – white interior **BP2211** ■ ■ **B** ■ White – black interior **BP2211** ■ ■ **N** ■ Black – black interior
■	**1F** - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
■	**S** - 17° **F** - 30° **L** - 42° **W** - 17°x45°
■	**0** - on/off **R** - 1-10V + PUSH **D** - DALI + PUSH
	1400 lm (3000K, 18W) 1920 lm (3000K, 26W)
	992 lm (3000K, 30°, 18W) 1340 lm (3000K, 30°, 26W)
	4 high intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in black-anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling: flush or deep set)
	see p. 478
	UGR < 10 for the 17° and 30° optics
	ceiling-mounted version: Bitpop C, p. 615
	see p. 727

BITPOP



BITPOP 4.1



Outer casing for deep-set installation not included

340x100 mm
H 130 mm

162x42 mm

kg 0.42 IP40 IP44 installed

A A+ A++

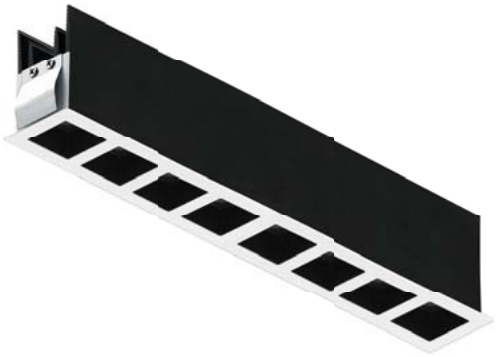
POWER / POWER SUPPLY **CODE**	18W 230Vac **BP4110 W** White – white interior **BP4110 B** White – black interior **BP4110 N** Black – black interior 26W 230Vac **BP4111 W** White – white interior **BP4111 B** White – black interior **BP4111 N** Black – black interior
LED COLOUR	**1F** - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
OPTICS	**S** - 17° **F** - 30° **L** - 42° **W**- 17°x45°
CONTROL SYSTEM	**0** - on/off **R** - 1-10V + PUSH **D** - DALI + PUSH
LUMEN OUTPUT AT SOURCE	1400 lm (3000K, 18W) 1920 lm (3000K, 26W)
DELIVERED LUMEN OUTPUT	992 lm (3000K, 30°, 18W) 1340 lm (3000K, 30°, 26W)
NO. AND TYPE OF LED	4 high intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in black-anodized aluminium trim in steel
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling: flush or deep set)
ACCESSORIES	see p. 478
FEATURES	UGR < 10 for the 17° and 30° optics
NOTES	ceiling-mounted version: Bitpop C, p. 615
PHOTOMETRIC DATA	see p. 727

v
BITPOP 4.1
3000K, 26W, 17°, white
installation flush with ceiling

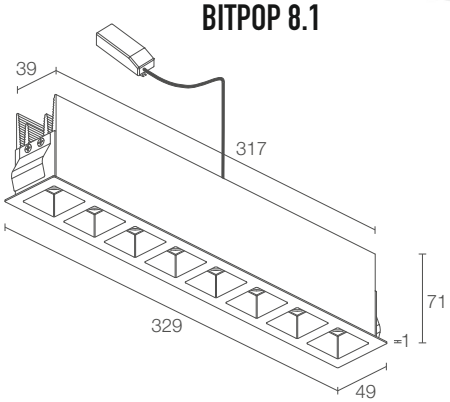


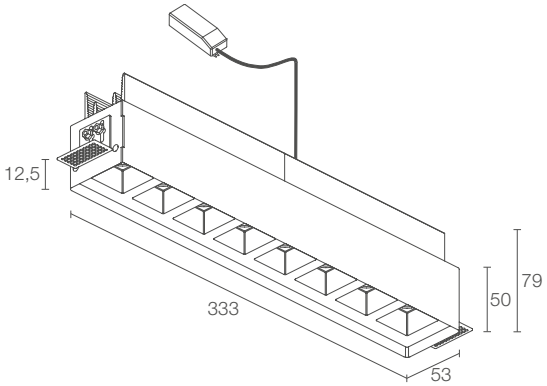


^
BITPOP 4.1
3000K, 26W, 17°, white
deep-set installation with outer casing



BITPOP 8.1





Outer casing for deep-set installation not included

660x100 mm
H 130 mm

320x42 mm

kg 1.10 IP40 IP44 installed

A A+ A++

35W 230Vac

BP8110	**W**	White – white interior
BP8110	**B**	White – black interior
BP8110	**N**	Black – black interior

50W 230Vac

BP8111	**W**	White – white interior
BP8111	**B**	White – black interior
BP8111	**N**	Black – black interior

1F - 2700K CRI >90
15 - 3000K CRI >90
09 - 4000K CRI 80

S - 17°
F - 30°
L - 42°
W - 17°x45°

0 - on/off
R - 1-10V + PUSH
D - DALI + PUSH

2800 lm (3000K, 35W)
3840 lm (3000K, 50W)

1984 lm (3000K, 30°, 35W)
2680 lm (3000K, 30°, 50W)

8 high intensity power LEDs
3-step MacAdam, 50000h L85 B10 (Ta 25°C)

body in black-anodized aluminium
trim in steel

included and wired

includes 0.30 m cable

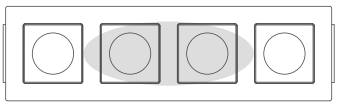
recessed (ceiling: flush or deep set)

see p. 478

UGR < 10 for the 17° and 30° optics

ceiling-mounted version: Bitpop C, p. 615

see p. 727



17°x45° optics

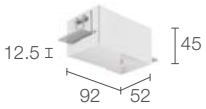
BITPOP

ACCESSORIES AND POWER SUPPLY UNITS

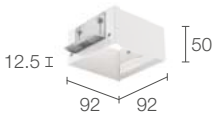
ACCESSORIES FOR INSTALLATION



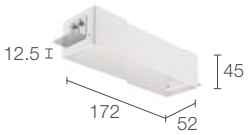
WC8703 - White
WC8703N - Black
Outer casing
for deep-set installation
in plasterboard ceilings
(Bitpop 1.0)



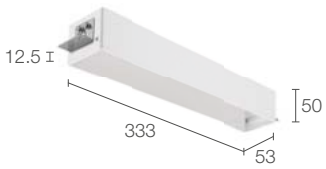
WC8713 - White
WC8713N - Black
Outer casing
for deep-set installation
in plasterboard ceilings
(Bitpop 2.1)



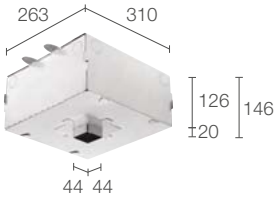
WC8704 - White
WC8704N - Black
Outer casing
for deep-set installation
in plasterboard ceilings
(Bitpop 2.2)



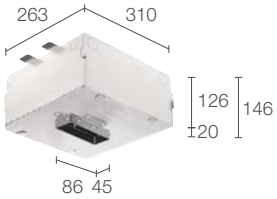
WC8705 - White
WC8705N - Black
Outer casing
for deep-set installation
in plasterboard ceilings
(Bitpop 4.1)



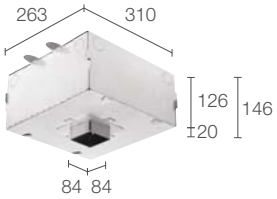
WC8710 - White
WC8710N - Black
Outer casing
for deep-set installation
in plasterboard ceilings
(Bitpop 8.1)



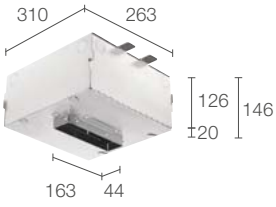
WC8700
Outer casing
for flush installation
in solid ceilings
(Bitpop 1.0)



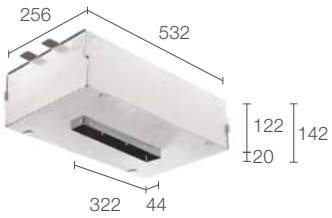
WC8712
Outer casing
for flush installation
in solid ceilings
(Bitpop 2.1)



WC8701
Outer casing
for flush installation
in solid ceilings
(Bitpop 2.2)



WC8702
Outer casing
for flush installation
in solid ceilings
(Bitpop 4.1)

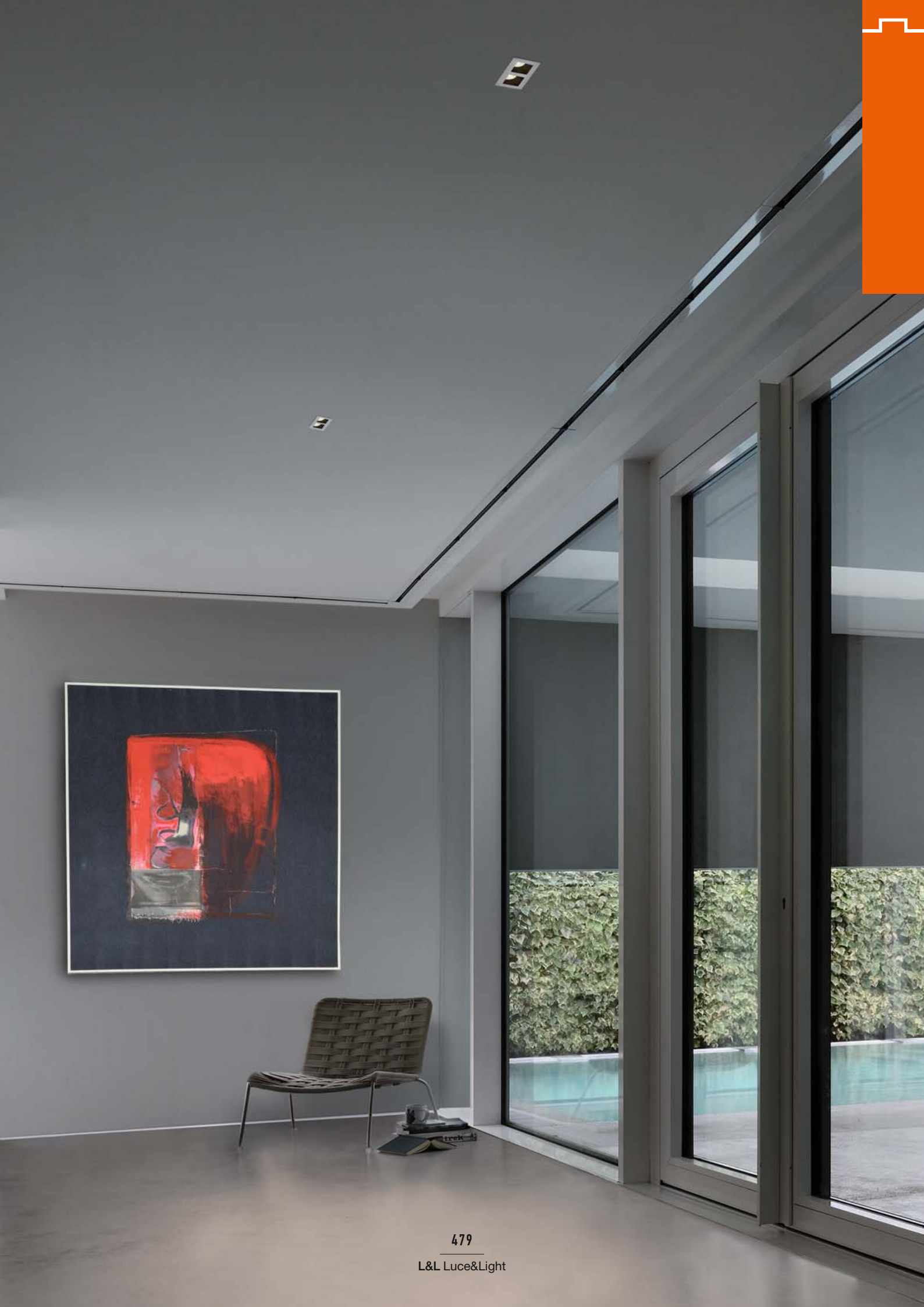


WC8709
Outer casing
for flush installation
in solid ceilings
(Bitpop 8.1)

POWER SUPPLY UNIT Bitpop 1.0, 24Vdc version

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847

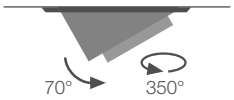
BITPOP 2.1 >
3000K, 10W, 17°x45°, white
installation flush with ceiling





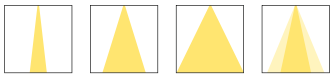
CIAK

INDOOR RECESSED DOWNLIGHTS
SHOWCASES AND NICHES IN MUSEUMS AND RETAIL SPACES



2700K 3000K 4000K

Ø55 mm



narrow medium wide elliptical

WITH ANTI-GLARE SNOOT	WITHOUT ANTI-GLARE SNOOT
	
CIAK 1.0 p. 484 max 1.5W max 500mA constant current	**CIAK 1.1** p. 484 max 1.5W max 500mA constant current
	
CIAK 1.6 p. 485 2.5W 24Vdc constant voltage	**CIAK 1.7** p. 485 2.5W 24Vdc constant voltage

Ø70 mm



narrow medium wide ultra-wide elliptical

	
CIAK 2.6 p. 487 5W 24Vdc constant voltage	**CIAK 2.7** p. 487 5W 24Vdc constant voltage

< CIAK 2.7
3000K, 5W, 17°, white

BUILT-IN PROTECTION SYSTEMS:

EPS
ELECTRICAL
PROTECTION
SYSTEM

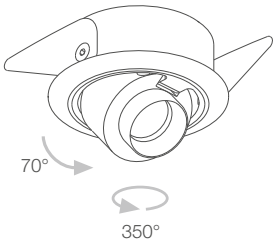
RAL FINISH
ON REQUEST

BODY AND TRIM
IN ALUMINIUM,
MADE ENTIRELY
ON A CNC LATHE



CRI >90

THE ENTIRE
CIAK FAMILY USES
LIGHT SOURCES WITH
A HIGH COLOUR
RENDERING INDEX





THE LIGHT BEAM CAN BE PRECISELY
DIRECTED THANKS TO THE HIGH
ADJUSTABILITY OF THE OPTICAL UNIT:
- ROTATABLE UP TO 350° ON VERTICAL AXIS
- TILTABLE UP TO 70° ON HORIZONTAL AXIS

CIAK

UNIQUE SELLING POINTS

LOW THICKNESSES:

CIAK'S COMPACT HEIGHT – 22 MM (CIAK 1) AND 30 MM (CIAK 2) – MEANS IT CAN BE RECESSED INTO SHALLOW SHELVES SUCH AS THOSE IN SHOP WINDOWS AND DISPLAY CABINETS, IN CONFORMITY WITH HEAT-TRANSFER VOLUMES



CIAK HAS SHARP OPTICS TO PRODUCE A LIGHT BEAM WITH PIN-SHARP EDGES



ALL VERSIONS ARE AVAILABLE WITH OR WITHOUT AN ANTI-GLARE SNOOT FOR GREATER VISUAL COMFORT

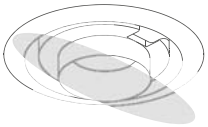


CIAK 1

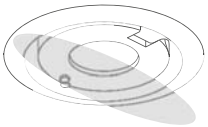




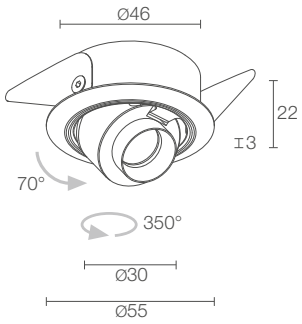
CIAK 1.0



16°x34° optics
(Ciak 1.0 / 1.6)



16°x34° optics
(Ciak 1.1 / 1.7)

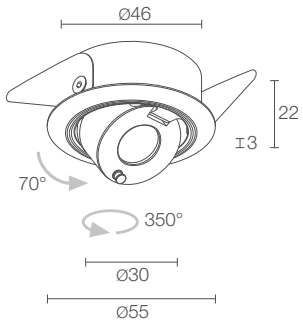


Ø 50 mm

kg 0.11 IP40

A A+ A++

CIAK 1.1



Ø 50 mm

kg 0.07 IP40

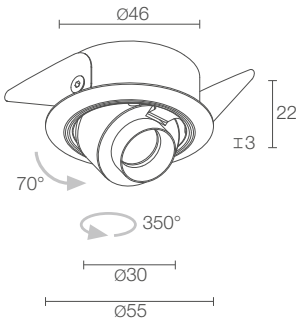
A A+ A++

POWER / POWER SUPPLY CODE	**max 1.5W max 500mA** **CK10101 B** White **CK10101 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 17° **M** - 29° **P** - 48° sharp **L** - 52° **W** - 16°x34°
LUMEN OUTPUT AT SOURCE	157 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	144 lm (3000K, 500mA, 29°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	not included, see p. 488 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	recessed (ceiling, shelf, shop windows)
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 743

	max 1.5W max 500mA **CK11101 B** White **CK11101 N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 17° **M** - 29° **P** - 48° sharp **L** - 52° **W** - 16°x34°
	157 lm (3000K, 500mA)
	144 lm (3000K, 500mA, 29°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 488 and 844
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	series
	recessed (ceiling, shelf, shop windows)
	CRI >90
	see p. 743



CIAK 1.6



Ø 50 mm

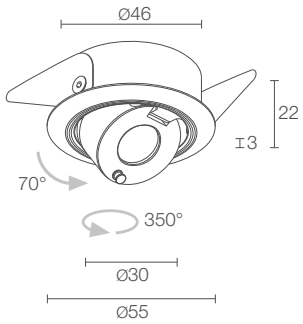
kg 0.11 IP40

A A+ A++ EPS

	2.5W 24Vdc **CK16001 B** White **CK16001 N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 17° **M** - 29° **P** - 48° sharp **L** - 52° **W** - 16°x34°
	157 lm (3000K)
	144 lm (3000K, 29°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 488
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	recessed (ceiling, shelf, shop windows)
	CRI >90
	see p. 743



CIAK 1.7



Ø 50 mm

kg 0.07 IP40

A A+ A++ EPS

	2.5W 24Vdc **CK17001 B** White **CK17001 N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 17° **M** - 29° **P** - 48° sharp **L** - 52° **W** - 16°x34°
	157 lm (3000K)
	144 lm (3000K, 29°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 488
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	recessed (ceiling, shelf, shop windows)
	CRI >90
	see p. 743

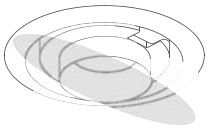


CIAK 2

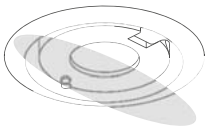




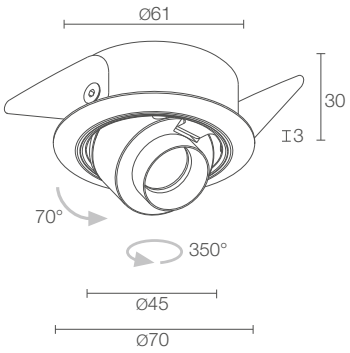
CIAK 2.6



13°x43° optics
(Ciak 2.6)



13°x43° optics
(Ciak 2.7)



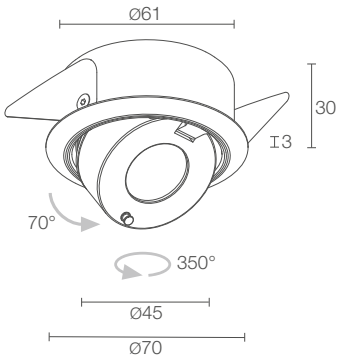
Ø 65 mm

kg 0.15 IP40

A A+ A++ EPS

POWER / POWER SUPPLY	5W 24Vdc
CODE	**CK26001** ■ ■ **B** White **CK26001** ■ ■ **N** Black
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
■ **OPTICS**	**S** - 11° **M** - 17° **P** - 19° sharp **L** - 32° **J** - 65° **W** - 13°x43°
LUMEN OUTPUT AT SOURCE	452 lm (3000K)
DELIVERED LUMEN OUTPUT	303 lm (3000K, 32°)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	not included, see p. 488
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
MOUNTING	recessed (ceiling, shelf, shop windows)
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 743

CIAK 2.7



Ø 65 mm

kg 0.15 IP40

A A+ A++ EPS

	5W 24Vdc
	CK27001 ■ ■ **B** White **CK27001** ■ ■ **N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° **M** - 17° **P** - 19° sharp **L** - 32° **J** - 65° **W** - 13°x43°
	452 lm (3000K)
	303 lm (3000K, 32°)
	1 high intensity power LED 3-step MacAdam, 50000h L95 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 488
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	recessed (ceiling, shelf, shop windows)
	CRI >90
	see p. 743

< CIAK 2.7
3000K, 5W, 17°, white

CIAK

POWER SUPPLY UNITS

POWER SUPPLY UNITS Ciak 1.0 / 1.1

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

POWER SUPPLY UNITS Ciak 1.6 / 1.7 / 2.6 / 2.7

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847



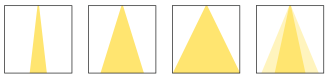


CAMEO

INDOOR RECESSED DOWNLIGHTS
FALSE CEILINGS AND NICHES IN PRIVATE HOMES

2700K 3000K 4000K

FIXED OPTICS AND FIXED FOCUS



Ø39 mm



CAMEO 1.0 p. 492
max 1.5W max 500mA
constant current

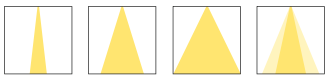
CAMEO 1.6 p. 494
2.5W 24Vdc
constant voltage

Ø49 mm



CAMEO 2.6 p. 496
5W 24Vdc
constant voltage

TILTABLE OPTICS AND FIXED FOCUS



Ø58 mm



CAMEO 1.1 p. 493
max 1.5W max 500mA
constant current

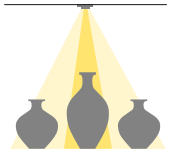
CAMEO 1.7 p. 495
2.5W 24Vdc
constant voltage

Ø69 mm



CAMEO 2.7 p. 497
5W 24Vdc
constant voltage

TILTABLE ZOOM LENS



Ø58 mm



CAMEO 1.2 p. 493
max 1.5W max 500mA
constant current

CAMEO 1.8 p. 495
2.5W 24Vdc
constant voltage

Ø69 mm



CAMEO 2.8 p. 497
5W 24Vdc
constant voltage

< **CAMEO 2.7**
3000K, 5W, 17°, white

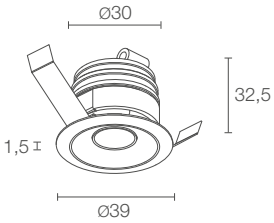
CAMEO 1

v
CAMEO 1.1
3000K, 1.5W, 29°, black





CAMEO 1.0



Ø 35 mm

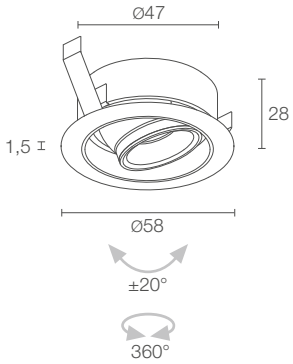
kg 0.07 IP40

A A+ A++

POWER / POWER SUPPLY CODE	max 1.5W max 500mA **CM10201000 0 E** White **CM10201000 0 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 17° **M** - 29° **P** - 48° sharp **L** - 52° **W** - 16°x34°
LUMEN OUTPUT AT SOURCE	157 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	144 lm (3000K, 500mA, 29°)
NO. AND TYPE OF LED	1 power LED, 1/4 ANSI BIN 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	not included, see p. 498 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	recessed (ceilings, false ceilings, niches in plasterboard)
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 741



CAMEO 1.1



Ø 54 mm

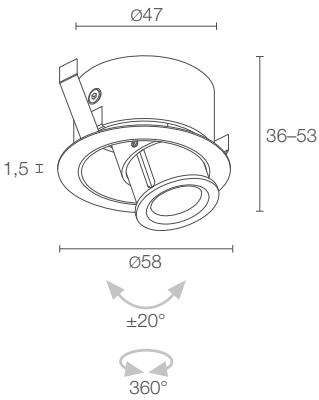
kg 0.07 IP40

A A+ A++

	max 1.5W max 500mA **CM11201000** **0** **E** White **CM11201000** **0** **N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 17° tiltable ±20° **M** - 29° tiltable ±20° **P** - 48° sharp tiltable ±20° **L** - 52° tiltable ±20° **W** - 16°x34° tiltable ±20°
	157 lm (3000K, 500mA)
	144 lm (3000K, 500mA, 29°)
	1 power LED, 1/4 ANSI BIN 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 498 and 844
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	series
	recessed (ceilings, false ceilings, niches in plasterboard)
	CRI >90
	see p. 741



CAMEO 1.2





Ø 54 mm

kg 0.07 IP40

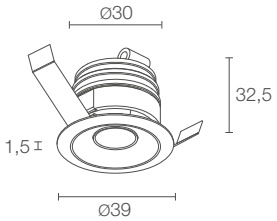
A A+ A++

	max 1.5W max 500mA **CM12201000** **R1** **E** White **CM12201000** **R1** **N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	optical range 8°–40° tiltable ±20°
	157 lm (3000K, 500mA)
	50 lm (3000K, 500mA, 40°)
	1 power LED, 1/4 ANSI BIN 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 498 and 844
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	series
	recessed (ceilings, false ceilings, niches in plasterboard)
	CRI >90
	see p. 741

CAMEO 1



CAMEO 1.6



v
CAMEO 1.8
3000K, 2.5W, tiltable zoom lens 8°–40°, black



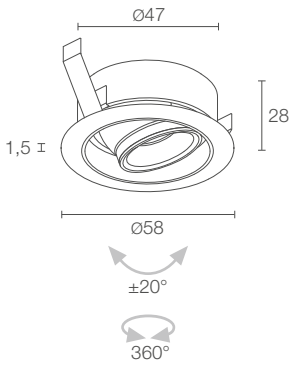
Ø 35 mm

kg 0.07 IP40

POWER / POWER SUPPLY CODE	2.5W 24Vdc **CM16001000 0 E** White **CM16001000 0 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 17° **M** - 29° **P** - 48° sharp **L** - 52° **W** - 16°x34°
LUMEN OUTPUT AT SOURCE	157 lm (3000K)
DELIVERED LUMEN OUTPUT	144 lm (3000K, 29°)
NO. AND TYPE OF LED	1 power LED, 1/4 ANSI BIN 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	not included, see p. 499
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
MOUNTING	recessed (ceilings, false ceilings, niches in plasterboard)
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 741



CAMEO 1.7



Ø 54 mm

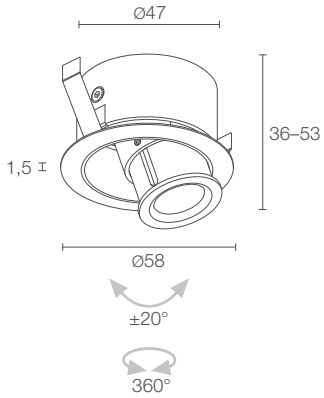
kg 0.07 IP40

A A+ A++ EPS

	2.5W 24Vdc **CM17001000 0 E** White **CM17001000 0 N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 17° tiltable ±20° **M** - 29° tiltable ±20° **P** - 48° sharp tiltable ±20° **L** - 52° tiltable ±20° **W** - 16°x34° tiltable ±20°
	157 lm (3000K)
	144 lm (3000K, 29°)
	1 power LED, 1/4 ANSI BIN 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 499
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	recessed (ceilings, false ceilings, niches in plasterboard)
	CRI >90
	see p. 741



CAMEO 1.8





Ø 54 mm

kg 0.07 IP40

A A+ A++ EPS

	2.5W 24Vdc **CM18001000 R1 E** White **CM18001000 R1 N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K
	optical range 8°–40° tiltable ±20°
	157 lm (3000K)
	50 lm (3000K, 40°)
	1 power LED, 1/4 ANSI BIN 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 499
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	recessed (ceilings, false ceilings, niches in plasterboard)
	CRI >90
	see p. 741

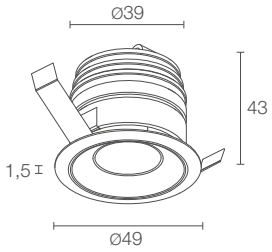
CAMEO 2



v
CAMEO 2.6
3000K, 5W, 17°, black



CAMEO 2.6



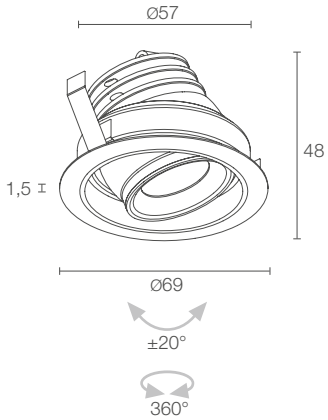
Ø 45 mm

kg 0.15 IP40

POWER / POWER SUPPLY CODE	5W 24Vdc **CM26001000 0 E** White **CM26001000 0 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 11° **M** - 17° **P** - 19° sharp **L** - 32° **J** - 65° **W** - 13°x43°
LUMEN OUTPUT AT SOURCE	452 lm (3000K)
DELIVERED LUMEN OUTPUT	303 lm (3000K, 32°)
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	not included, see p. 499
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
MOUNTING	recessed (ceilings, false ceilings, niches in plasterboard)
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 742



CAMEO 2.7



Ø 65 mm

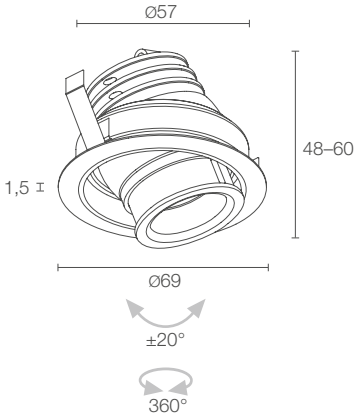
kg 0.15 IP40

A A+ A++ EPS

	5W 24Vdc **CM27001000 0 E** White **CM27001000 0 N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 11° tiltable ±20° **M** - 17° tiltable ±20° **P** - 19° sharp tiltable ±20° **L** - 32° tiltable ±20° **J** - 65° tiltable ±20° **W** - 13°x43° tiltable ±20°
	452 lm (3000K)
	303 lm (3000K, 32°)
	1 high intensity power LED, 3-step MacAdam 50000h L95 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 499
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	recessed (ceilings, false ceilings, niches in plasterboard)
	CRI >90
	see p. 742



CAMEO 2.8





Ø 65 mm

kg 0.15 IP40

A A+ A++ EPS

	5W 24Vdc **CM28001000 R1 E** White **CM28001000 R1 N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K
	optical range 8°–58° tiltable ±20°
	452 lm (3000K)
	241 lm (3000K, 58°)
	1 high intensity power LED, 3-step MacAdam 50000h L95 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 499
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	recessed (ceilings, false ceilings, niches in plasterboard)
	CRI >90
	see p. 742

CAMEO

POWER SUPPLY UNITS

POWER SUPPLY UNITS Cameo 1.0 / 1.1 / 1.2

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

v

CAMEO 2.8
3000K, 5W, tiltable zoom lens 8°–58°, white



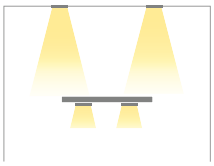
POWER SUPPLY UNITS Cameo 1.6 / 1.7 / 1.8 / 2.6 / 2.7 / 2.8

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847

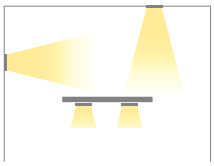




^
ESEM 3.2
3000K, 8W, black



narrow medium



narrow medium wide elliptical

FIXED OPTICS

Ø31 mm



ESEM MINI 1.0 p. 502
max 2W max 500mA
constant current

ESEM MINI 1.6 p. 503
2W 24Vdc
constant voltage

2700K 3000K 4000K 5000K

Ø46 mm



ESEM MID 1.0 p. 504
max 3W max 350mA
constant current

ESEM MID 1.6 p. 505
3W 24Vdc
constant voltage

2700K 3000K 4000K 5000K

TILTABLE OPTICS

Ø40 mm



ESEM MINI 1.1 p. 502
max 2W max 500mA
constant current

ESEM MINI 1.7 p. 503
2W 24Vdc
constant voltage

2700K 3000K 4000K 5000K

Ø55 mm



ESEM MID 1.1 p. 504
max 3W max 350mA
constant current

ESEM MID 1.7 p. 505
3W 24Vdc
constant voltage

2700K 3000K 4000K 5000K

ESEM

INDOOR RECESSED DOWNLIGHTS
SHOWCASES AND FALSE CEILINGS IN HOSPITALITY AND PRIVATE HOMES



narrow medium wide



medium wide

Ø38 mm



ESEM 2.0 p. 507
max 2W max 500mA
constant current

ESEM 2.6 p. 507
2W 24Vdc
constant voltage

2700K 3000K 4000K 5000K

Ø59 mm



ESEM 3.0 p. 508
8W 230Vac
DALI, ON/OFF
mains voltage

2700K 3000K 4000K

Ø75 mm



ESEM 4.0 p. 510
14W 230Vac
DALI, 1-10V, mains dimming, ON/OFF
mains voltage

2700K 3000K 4000K

Ø74 mm



ESEM 3.1 p. 509
8W 230Vac
DALI, 1-10V,
ON/OFF
mains voltage

2700K 3000K 4000K

Ø74 mm



ESEM 3.2 p. 509
8W 230Vac
DALI, 1-10V,
ON/OFF
mains voltage

2700K 3000K 4000K

Ø89 mm



ESEM 4.1 p. 511
14W 230Vac
DALI, 1-10V, mains dimming,
ON/OFF
mains voltage

2700K 3000K 4000K

Ø89 mm



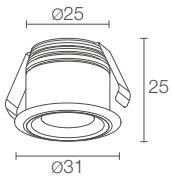
ESEM 4.2 p. 511
14W 230Vac
DALI, 1-10V, mains dimming,
ON/OFF
mains voltage

2700K 3000K 4000K

ESEM MINI



ESEM MINI 1.0



Ø 90 mm
H 60 mm

Ø 27 mm

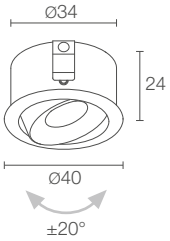
kg 0.045 IP20

A A+ A++

POWER / POWER SUPPLY	**max 2W max 500mA**
CODE	**ME1012 B** White **ME1012 N** Black **ME1012 A** Anodized grey
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**S** - 14° **M** - 27°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	125 lm (3000K, 500mA, 27°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium
POWER SUPPLY UNIT	not included, see p. 512 and 844
POWER CABLES	includes 2x0.50 m single-core cables
WIRING	series
MOUNTING	recessed (ceiling, shelf)
PHOTOMETRIC DATA	see p. 760



ESEM MINI 1.1



Ø 90 mm
H 60 mm

Ø 35 mm

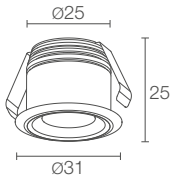
kg 0.07 IP20

A A+ A++

	max 2W max 500mA
	ME1112 B White **ME1112 N** Black **ME1112 A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 14° tiltable ±20° **M** - 27° tiltable ±20°
	145 lm (3000K, 500mA)
	125 lm (3000K, 500mA, 27°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in aluminium
	not included, see p. 512 and 844
	includes 2x0.50 m single-core cables
	series
	recessed (ceiling, shelf)
	see p. 760



ESEM MINI 1.6



Ø 90 mm
H 60 mm

Ø 27 mm

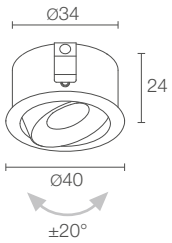
kg 0.045 IP20

A A+ A++

	2W 24Vdc **ME1600** **B** White **ME1600** **N** Black **ME1600** **A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 14° **M** - 27°
	145 lm (3000K)
	125 lm (3000K, 27°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in aluminium
	not included, see p. 512
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	recessed (ceiling, shelf)
	see p. 760



ESEM MINI 1.7



Ø 90 mm
H 60 mm

Ø 35 mm

kg 0.07 IP20

A A+ A++

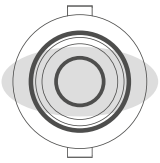
	2W 24Vdc **ME1700** **B** White **ME1700** **N** Black **ME1700** **A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 14° tiltable ±20° **M** - 27° tiltable ±20°
	145 lm (3000K)
	125 lm (3000K, 27°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in aluminium
	not included, see p. 512
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	recessed (ceiling, shelf)
	see p. 760

ESEM MID

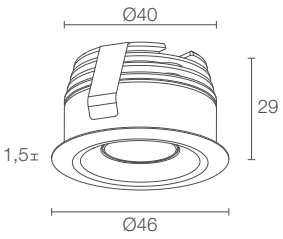




ESEM MID 1.0



20°x45° optics



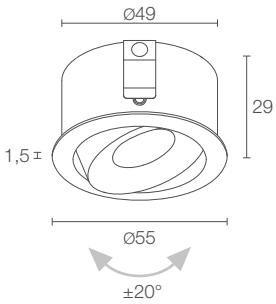
Ø 90 mm
H 80 mm

Ø 41 mm

kg 0.09 IP40

A A+ A++

ESEM MID 1.1



Ø 90 mm
H 80 mm

Ø 50 mm

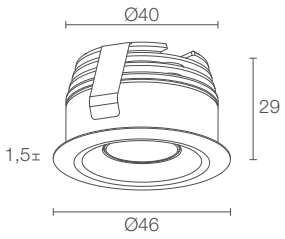
kg 0.09 IP40

A A+ A++

POWER / POWER SUPPLY CODE	**max 3W max 350mA** **EM1031 B** White **EM1031 N** Black **EM1031 A** Anodized grey	**max 3W max 350mA** **EM1131 B** White **EM1131 N** Black **EM1131 A** Anodized grey
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**S** - 11° **M** - 22° **L** - 30° **W** - 20°x45°	**S** - 11° tiltable ±20° **M** - 22° tiltable ±20° **L** - 30° tiltable ±20° **W** - 20°x45° tiltable ±20°
LUMEN OUTPUT AT SOURCE	309 lm (3000K, 350mA)	309 lm (3000K, 350mA)
DELIVERED LUMEN OUTPUT	220 lm (3000K, 350mA, 22°)	220 lm (3000K, 350mA, 22°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)	3 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium	body and trim in aluminium
POWER SUPPLY UNIT	not included, see p. 512 and 844	not included, see p. 512 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series	series
MOUNTING	recessed (ceiling, wall, shelf)	recessed (ceiling, wall, shelf)
NOTES	IP44 version available on request	IP44 version available on request
PHOTOMETRIC DATA	see p. 760	see p. 760



ESEM MID 1.6



Ø 90 mm
H 80 mm

Ø 41 mm

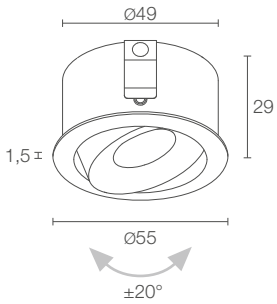
kg 0.09 IP40

A A+ A++

	3W 24Vdc **EM1600** **B** White **EM1600** **N** Black **EM1600** **A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 11° **M** - 22° **L** - 30° **W** - 20°x45°
	309 lm (3000K)
	220 lm (3000K, 22°)
	3 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 512
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	recessed (ceiling, wall, shelf)
	IP44 version available on request
	see p. 760



ESEM MID 1.7



Ø 90 mm
H 80 mm

Ø 50 mm

kg 0.09 IP40

A A+ A++

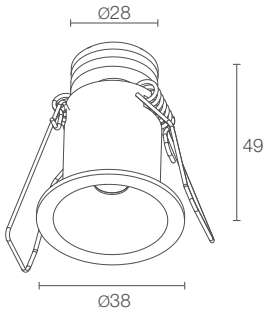
	3W 24Vdc **EM1700** **B** White **EM1700** **N** Black **EM1700** **A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 11° tiltable ±20° **M** - 22° tiltable ±20° **L** - 30° tiltable ±20° **W** - 20°x45° tiltable ±20°
	309 lm (3000K)
	220 lm (3000K, 22°)
	3 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
	body and trim in aluminium
	not included, see p. 512
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	recessed (ceiling, wall, shelf)
	IP44 version available on request
	see p. 760



ESEM 2



ESEM 2.0



Ø 130 mm
H 90 mm

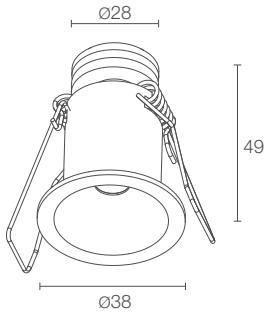
Ø 30 mm

kg 0.09 IP40 IP44 installed

A A+ A++ EPS

POWER / POWER SUPPLY	**max 2W max 500mA**
CODE	**ES2012 E B** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**S** - 16° **M** - 36° **L** - 80°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	122 lm (3000K, 500mA, 36°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium
POWER SUPPLY UNIT	not included, see p. 512 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 512
PHOTOMETRIC DATA	see p. 760

ESEM 2.6



Ø 130 mm
H 90 mm

Ø 30 mm

kg 0.09 IP40 IP44 installed

A A+ A++ EPS

	2W 24Vdc
	ES2600 B White
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 16° **M** - 36° **L** - 80°
	145 lm (3000K)
	122 lm (3000K, 36°)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in aluminium
	not included, see p. 512
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	parallel
	recessed (ceiling)
	none
	see p. 760

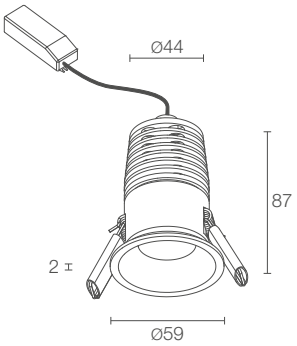
< **ESEM MID 1.1**
3000K, 3W, 30°, black

Project by / Studio ARCHH Lorenzo Agnese, Giovanni Guerrieri
Photo by / Alessio Tamborini
The Coeclerici Gallery - Galata Maritime Museum, Genoa, Italy

ESEM 3



ESEM 3.0



Ø 170 mm
H 150 mm

Ø 50 mm

kg 0.25 IP40 IP44 installed

DALI

A A+ A++

v
ESEM 3.1
3000K, 8W, 20°, white

Interior design by / Cristian Turra
Photo by / Alessio Tamborini
Private residence, Brescia, Italy

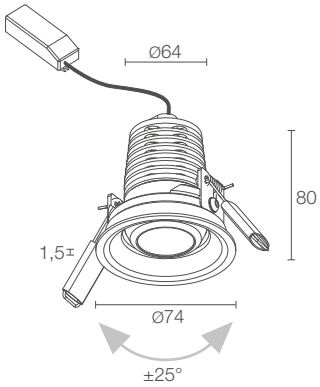


POWER / POWER SUPPLY **CODE**	8W 230Vac **ES3010 B** White **ES3010 N** Black 8W 230Vac DALI + PUSH **ES3010 BD** White **ES3010 ND** Black

LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 20° **M** - 30° **L** - 54°
LUMEN OUTPUT AT SOURCE	512 lm (3000K)
DELIVERED LUMEN OUTPUT	425 lm (3000K, 30°)
NO. AND TYPE OF LED	1 multichip power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
PHOTOMETRIC DATA	see p. 761



ESEM 3.1



Ø 180 mm
H 150 mm

Ø 65 mm

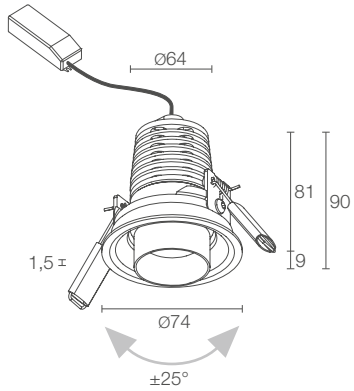
kg 0.30 IP40

A A+ A++

	8W 230Vac **ES3100** **B** White **ES3100** **N** Black 8W 230Vac 1-10V + PUSH **ES3100** **BR** White **ES3100** **NR** Black 8W 230Vac DALI + PUSH **ES3100** **BD** White **ES3100** **ND** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 20° tiltable ±25° **M** - 30° tiltable ±25° **L** - 54° tiltable ±25°
	512 lm (3000K)
	425 lm (3000K, 30°)
	1 multichip power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 761



ESEM 3.2



Ø 180 mm
H 150 mm

Ø 65 mm

kg 0.30 IP40

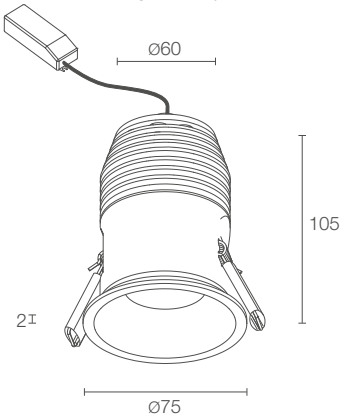
A A+ A++

	8W 230Vac **ES3200** **B** White **ES3200** **N** Black 8W 230Vac 1-10V + PUSH **ES3200** **BR** White **ES3200** **NR** Black 8W 230Vac DALI + PUSH **ES3200** **BD** White **ES3200** **ND** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 16° tiltable ±25° **M** - 29° tiltable ±25° **L** - 46° tiltable ±25°
	512 lm (3000K)
	436 lm (3000K, 29°)
	1 multichip power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body and trim in aluminium
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 761

ESEM 4



ESEM 4.0



Ø 190 mm
H 170 mm

Ø 65 mm

kg 0.50 IP40 IP44 installed

A A+ A++

v
ESEM 4.2
3000K, 14W, 24°, white

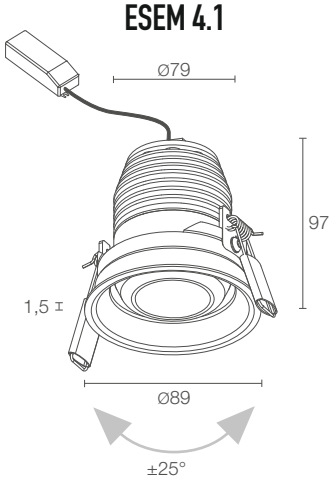
Interior design by / Cristian Turra
Photo by / Alessio Tamborini
Private residence, Brescia, Italy



POWER / POWER SUPPLY **CODE**	14W 230Vac **ES4010 B** White **ES4010 N** Black 14W 230Vac 1-10V + PUSH **ES4010 BR** White **ES4010 NR** Black 14W 230Vac DALI + PUSH **ES4010 BD** White **ES4010 ND** Black 14W 230Vac MAINS DIMMING **ES4010 BT** White **ES4010 NT** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**M** - 20° **L** - 40°
LUMEN OUTPUT AT SOURCE	1219 lm (3000K)
DELIVERED LUMEN OUTPUT	957 lm (3000K, 20°)
NO. AND TYPE OF LED	1 multichip power LED 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body and trim in aluminium
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
PHOTOMETRIC DATA	see p. 761



ESEM 4.1



Ø 200 mm
H 200 mm

Ø 80 mm

kg 0.50 IP40

A A+ A++

14W 230Vac
ES4100 B White
ES4100 N Black

14W 230Vac 1-10V + PUSH
ES4100 BR White
ES4100 NR Black

14W 230Vac DALI + PUSH
ES4100 BD White
ES4100 ND Black

14W 230Vac MAINS DIMMING
ES4100 BT White
ES4100 NT Black

F - 2700K
5 - 3000K
9 - 4000K

M - 20° tiltable ±25°
L - 40° tiltable ±25°

1219 lm (3000K)

957 lm (3000K, 20°)

1 multichip power LED
2-step MacAdam, 50000h L85 B10 (Ta 25°C)

body and trim in aluminium

included and wired

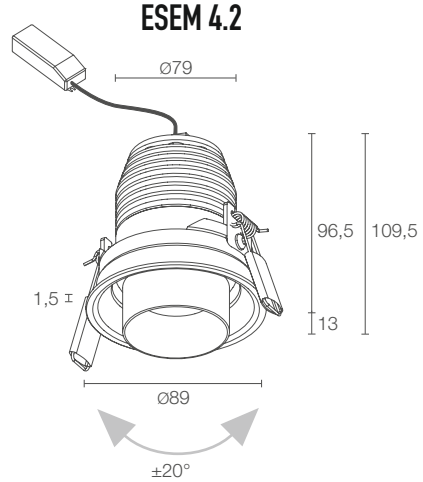
includes 0.30 m cable

recessed (ceiling)

see p. 761



ESEM 4.2



Ø 200 mm
H 200 mm

Ø 80 mm

kg 0.50 IP40

A A+ A++

14W 230Vac
ES4200 B White
ES4200 N Black

14W 230Vac 1-10V + PUSH
ES4200 BR White
ES4200 NR Black

14W 230Vac DALI + PUSH
ES4200 BD White
ES4200 ND Black

14W 230Vac MAINS DIMMING
ES4200 BT White
ES4200 NT Black

F - 2700K
5 - 3000K
9 - 4000K

M - 24° tiltable ±20°
L - 37° tiltable ±20°

1219 lm (3000K)

940 lm (3000K, 24°)

1 multichip power LED
2-step MacAdam, 50000h L85 B10 (Ta 25°C)

body and trim in aluminium

included and wired

includes 0.30 m cable

recessed (ceiling)

see p. 761

ESEM

ACCESSORIES AND POWER SUPPLY UNITS

POWER CABLES

PVC cable
FROR 2x0.35 Ø3.5 mm
your choice of length

WF0110

(Esem 2.0)

order together
with the lighting fixture

POWER SUPPLY UNITS Esem Mini 1.0 / 1.1

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

POWER SUPPLY UNITS Esem Mini 1.6 / 1.7, Esem Mid 1.6 / 1.7, Esem 2.6

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847

POWER SUPPLY UNITS Esem Mid 1.0 / 1.1

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850

POWER SUPPLY UNITS Esem 2.0

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

ESEM 3.1 >
3000K, 8W, 20°, white

Interior design by / Cristian Turra
Private residence, Iseo, Brescia, Italy



ROUND COVER

2700K 3000K 4000K 5000K blue

	CONSTANT CURRENT	CONSTANT VOLTAGE
Ø25 mm IDEAL FOR STARRY SKY wide diffuse	 **EYES 1.0** p. 516 max 1W max 350mA	 **EYES 1.6** p. 517 1W 24Vdc
Ø35 mm IDEAL FOR SHELVES AND SHOWCASES diffuse	 **EYES 2.0** p. 518 max 2W max 500mA	
Ø34 mm IDEAL FOR SHELVES AND SHOWCASES narrow medium wide elliptical	 **EYES 2.1** p. 518 max 2W max 500mA	 **EYES 2.7** p. 521 2W 24Vdc

v
EYES 2.1
4000K, 2W, 20°, white



EYES

INDOOR RECESSED DOWNLIGHTS
STARRY SKY, SHELVES, SHOWCASES AND FALSE CEILINGS

SQUARE COVER

2700K 3000K 4000K 5000K blue

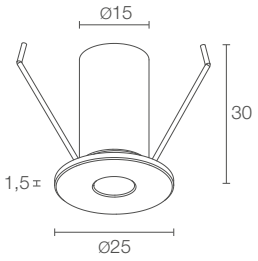
	CONSTANT CURRENT	CONSTANT VOLTAGE
25x25 mm IDEAL FOR STARRY SKY wide diffuse	 **EYES 1.2** p. 516 max 1W max 350mA	 **EYES 1.8** p. 517 1W 24Vdc
35x35 mm IDEAL FOR SHELVES AND SHOWCASES diffuse	 **EYES 2.2** p. 519 max 2W max 500mA	
35x35 mm IDEAL FOR SHELVES AND SHOWCASES narrow medium wide elliptical	 **EYES 2.3** p. 519 max 2W max 500mA	 **EYES 2.9** p. 521 2W 24Vdc



EYES 1



EYES 1.0



Ø 70 mm
H 90 mm

Ø 18 mm

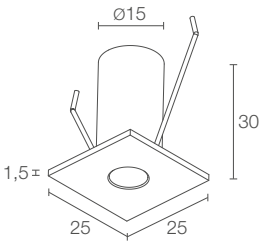
kg 0.08 IP40 IP44 installed

A A+ A++ EPS

POWER / POWER SUPPLY	**max 1W max 350mA**
CODE	**EY1011 B** White **EY1011 C** Chrome **EY1011 D** Gold **EY1011 S** Satin **EY1011 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**F** - 40° **D** - diffuse
LUMEN OUTPUT AT SOURCE	110 lm (3000K, 350mA)
DELIVERED LUMEN OUTPUT	54 lm (3000K, 350mA, 40°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in brass
POWER SUPPLY UNIT	not included, see p. 523 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 522
PHOTOMETRIC DATA	see p. 762



EYES 1.2



Ø 70 mm
H 90 mm

Ø 18 mm

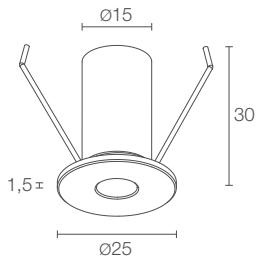
kg 0.08 IP40 IP44 installed

A A+ A++ EPS

	max 1W max 350mA
	EY1211 B White **EY1211 C** Chrome **EY1211 D** Gold **EY1211 S** Satin **EY1211 N** Black
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	F - 40° **D** - diffuse
	110 lm (3000K, 350mA)
	54 lm (3000K, 350mA, 40°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in brass
	not included, see p. 523 and 844
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	series
	recessed (ceiling)
	see p. 522
	see p. 762



EYES 1.6



Ø 70 mm
H 90 mm

Ø 18 mm

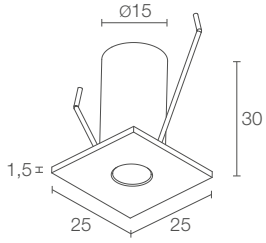
kg 0.08 IP40 IP44 installed

A A+ A++ EPS

	1W 24Vdc
	EY1611 ■ ■ **B** White
	EY1611 ■ ■ **C** Chrome
	EY1611 ■ ■ **D** Gold
	EY1611 ■ ■ **S** Satin
	EY1611 ■ ■ **N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	**F** - 40° **D** - diffuse
	110 lm (3000K)
	54 lm (3000K, 40°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in brass
	not included, see p. 523
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	parallel
	recessed (ceiling)
	none
	see p. 762



EYES 1.8



Ø 70 mm
H 90 mm

Ø 18 mm

kg 0.08 IP40 IP44 installed

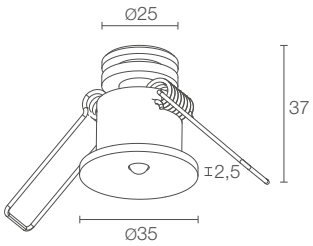
A A+ A++ EPS

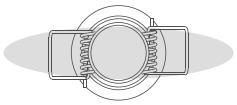
	1W 24Vdc
	EY1811 ■ ■ **B** White
	EY1811 ■ ■ **C** Chrome
	EY1811 ■ ■ **D** Gold
	EY1811 ■ ■ **S** Satin
	EY1811 ■ ■ **N** Black
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	**F** - 40° **D** - diffuse
	110 lm (3000K)
	54 lm (3000K, 40°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in brass
	not included, see p. 523
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	parallel
	recessed (ceiling)
	none
	see p. 762

EYES 2



EYES 2.0





10°x45° optics
(Eyes 2.1)

Ø 110 mm
H 90 mm

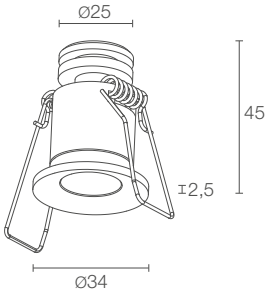
Ø 30 mm

kg 0.10 IP40 IP44 installed

A A+ A++ EPS



EYES 2.1



Ø 110 mm
H 90 mm

Ø 30 mm

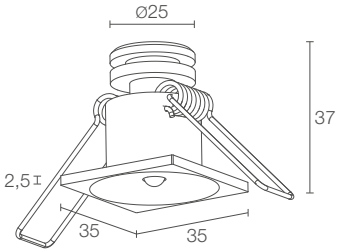
kg 0.10 IP40 IP44 installed

A A+ A++ EPS

POWER / POWER SUPPLY	max 2W max 500mA	max 2W max 500mA
CODE	**F1235 D E B** White **F1235 D E C** Chrome **F1235 D E D** Gold **F1235 D E S** Satin **F1235 D E N** Black	**F1235 E B** White **F1235 E C** Chrome **F1235 E D** Gold **F1235 E S** Satin **F1235 E N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue 2200K on request	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue 2200K on request
OPTICS	diffuse	**S** - 10° **M** - 20° **L** - 40° **W** - 10°x45°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	73 lm (3000K, 500mA)	115 lm (3000K, 500mA, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in brass screen in transparent polycarbonate	body in anodized aluminium trim in brass
POWER SUPPLY UNIT	not included, see p. 523 and 844	not included, see p. 523 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series	series
MOUNTING	recessed (ceiling)	recessed (ceiling)
ACCESSORIES	see p. 522	see p. 522
NOTES		24Vdc version: Eyes 2.7, p. 521
PHOTOMETRIC DATA	see p. 762	see p. 762



EYES 2.2



Ø 110 mm
H 90 mm

Ø 30 mm

kg 0.10

IP40 IP44
installed

A A+ A++

EPS

max 2W max 500mA
FQ1235 D E B White
FQ1235 D E C Chrome
FQ1235 D E D Gold
FQ1235 D E S Satin
FQ1235 D E N Black

F - 2700K
5 - 3000K
9 - 4000K
0 - 5000K
1 - blue
2200K on request

diffuse

145 lm (3000K, 500mA)

73 lm (3000K, 500mA)

1 power LED
1/4 ANSI BIN (white LED colour)
50000h L90 B10 (Ta 25°C)

body in anodized aluminium
trim in brass
screen in transparent polycarbonate

not included, see p. 523 and 844

includes 1.5 m PVC cable
FROR 2x0.35 Ø3.5 mm

series

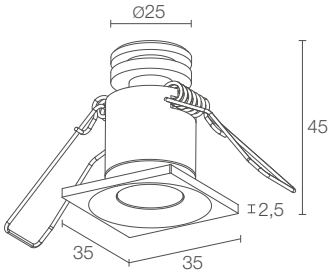
recessed (ceiling)

see p. 522

see p. 762



EYES 2.3



Ø 110 mm
H 90 mm

Ø 30 mm

kg 0.10

IP40 IP44
installed

A A+ A++

EPS

max 2W max 500mA
FQ1235 E B White
FQ1235 E C Chrome
FQ1235 E D Gold
FQ1235 E S Satin
FQ1235 E N Black

F - 2700K
5 - 3000K
9 - 4000K
0 - 5000K
1 - blue
2200K on request

S - 10°
M - 20°
L - 40°
W - 10°x45°

145 lm (3000K, 500mA)

115 lm (3000K, 500mA, 20°)

1 power LED
1/4 ANSI BIN (white LED colour)
50000h L90 B10 (Ta 25°C)

body in anodized aluminium
trim in brass

not included, see p. 523 and 844

includes 1.5 m PVC cable
FROR 2x0.35 Ø3.5 mm

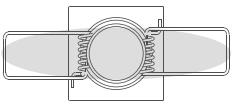
series

recessed (ceiling)

see p. 522

24Vdc version: Eyes 2.9, p. 521

see p. 762



10°x45° optics
(Eyes 2.3)

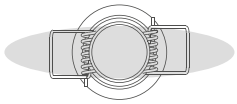


EYES 2

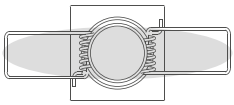




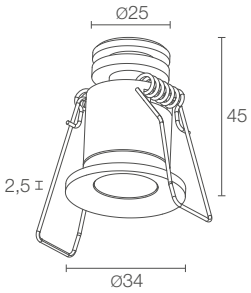
EYES 2.7



10°x45° optics
(Eyes 2.7)



10°x45° optics
(Eyes 2.9)



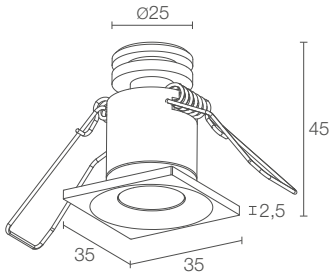
Ø 110 mm
H 90 mm

Ø 30 mm

kg 0.10 IP40 IP44 installed

A A+ A++ EPS

EYES 2.9



Ø 110 mm
H 90 mm

Ø 30 mm

kg 0.10 IP40 IP44 installed

A A+ A++ EPS

POWER / POWER SUPPLY	2W 24Vdc	2W 24Vdc
CODE	**F2700 B** White **F2700 C** Chrome **F2700 D** Gold **F2700 S** Satin **F2700 N** Black	**F2900 B** White **F2900 C** Chrome **F2900 D** Gold **F2900 S** Satin **F2900 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue 2200K on request	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue 2200K on request
OPTICS	**S** - 10° **M** - 20° **L** - 40° **W** - 10°x45°	**S** - 10° **M** - 20° **L** - 40° **W** - 10°x45°
LUMEN OUTPUT AT SOURCE	145 lm (3000K)	145 lm (3000K)
DELIVERED LUMEN OUTPUT	115 lm (3000K, 20°)	115 lm (3000K, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in brass	body in anodized aluminium trim in brass
POWER SUPPLY UNIT	not included, see p. 523	not included, see p. 523
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
MOUNTING	recessed (ceiling)	recessed (ceiling)
ACCESSORIES	see p. 522	see p. 522
NOTES	500mA version: Eyes 2.1, p. 518	500mA version: Eyes 2.3, p. 519
PHOTOMETRIC DATA	see p. 762	see p. 762

< **EYES 2.1**
4000K, 2W, 20°, white

Project and light planning by /
Studio Casolaro Giuseppe e Ottavio
Offices, Foggia, Italy

EYES

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0202

Outer casing for solid walls

(Eyes 2.0 / 2.1 / 2.2 / 2.3 / 2.7 / 2.9)

POWER CABLES

PVC cable
FROR 2x0.35 Ø3.5 mm
your choice of length

WF0110

(Eyes 1.0 / 1.2 / 2.0 / 2.1 / 2.2 / 2.3)

order together
with the lighting fixture

POWER SUPPLY UNITS Eyes 1.0 / 1.2

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

POWER SUPPLY UNITS Eyes 2.0 / 2.1 / 2.2 / 2.3

350mA

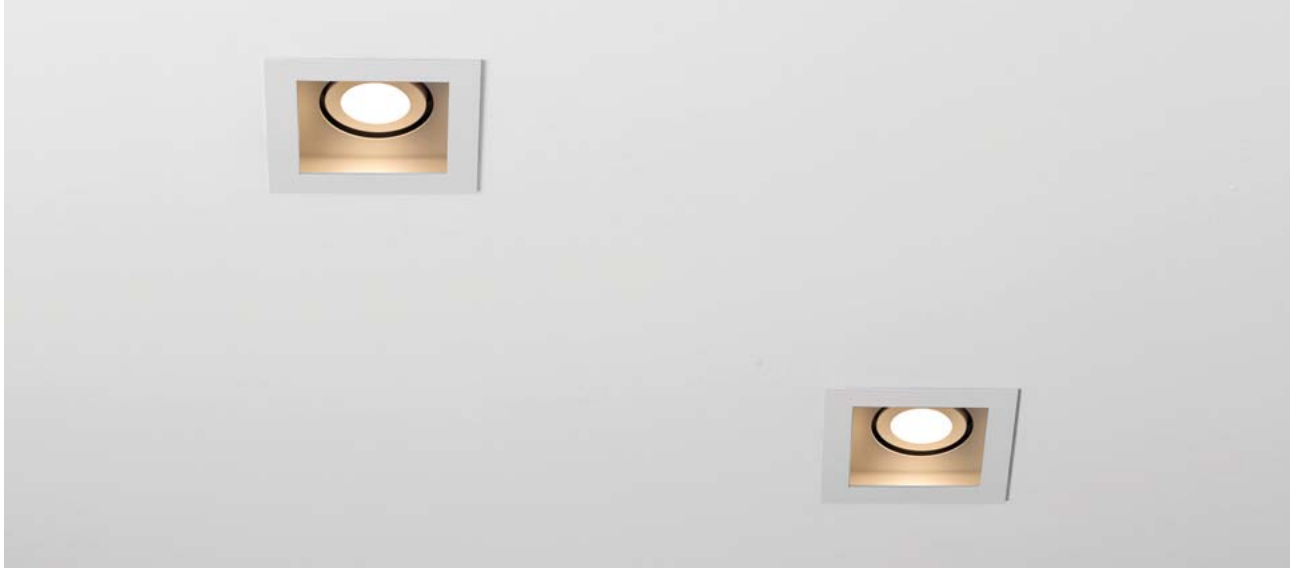
Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

POWER SUPPLY UNITS Eyes 1.6 / 1.8 / 2.7 / 2.9

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847



2700K 3000K 4000K 5000K blue RGB

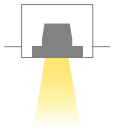
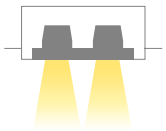
narrow medium wide

2700K 3000K 4000K

narrow medium wide

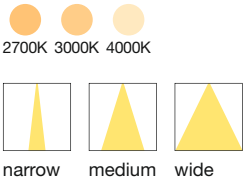
2700K 3000K 4000K

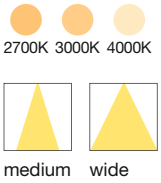
medium wide

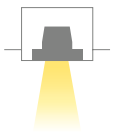
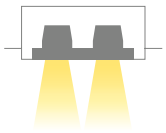
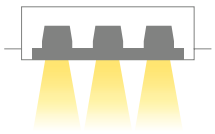
WITHOUT FRAME	CONSTANT CURRENT	MAINS VOLTAGE	MAINS VOLTAGE
SINGLE BEAM 	 **QUAD 6.1** p. 526 max 6W max 500mA	 **QUAD MAXI 2.1** p. 530 8W 230Vac DALI, 1-10V, ON/OFF	 **QUAD MAXI 4.1** p. 534 14W 230Vac DALI, 1-10V, ON/OFF
DOUBLE BEAM 	 **QUAD 6.2** p. 527 max 12W max 500mA	 **QUAD MAXI 2.2** p. 531 14,5W 230Vac DALI, 1-10V, ON/OFF	 **QUAD MAXI 4.2** p. 535 26W 230Vac DALI, 1-10V, ON/OFF
3 BEAMS 	 **QUAD 6.3** p. 527 max 18W max 500mA	 **QUAD MAXI 2.3** p. 531 22W 230Vac DALI, 1-10V, ON/OFF	 **QUAD MAXI 4.3** p. 535 40W 230Vac DALI, 1-10V, ON/OFF

QUAD

INDOOR RECESSED DOWNLIGHTS
FALSE CEILINGS IN RETAIL SPACES AND PRIVATE HOMES





WITH FRAME	MAINS VOLTAGE	MAINS VOLTAGE
SINGLE BEAM 	 **QUAD MAXI 1.1** p. 528 8W 230Vac DALI, 1-10V, ON/OFF	 **QUAD MAXI 3.1** p. 532 14W 230Vac DALI, 1-10V, ON/OFF
DOUBLE BEAM 	 **QUAD MAXI 1.2** p. 529 14,5W 230Vac DALI, 1-10V, ON/OFF	 **QUAD MAXI 3.2** p. 533 26W 230Vac DALI, 1-10V, ON/OFF
3 BEAMS 	 **QUAD MAXI 1.3** p. 529 22W 230Vac DALI, 1-10V, ON/OFF	 **QUAD MAXI 3.3** p. 533 40W 230Vac DALI, 1-10V, ON/OFF

QUAD 6

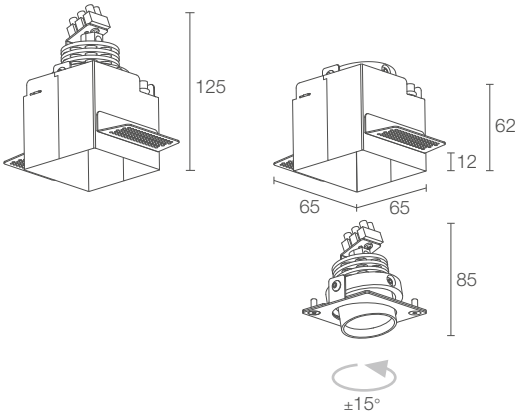
v
QUAD 6.1
3000K, 6W, 56°, white

Project by / Nini Andrade Silva
Light planning by / Light 2 Life, Lighting Design
WC Beautique Hotel, Lisbon, Portugal





QUAD 6.1



Required outer casing, not included

165x165 mm
H 150 mm

65x65 mm

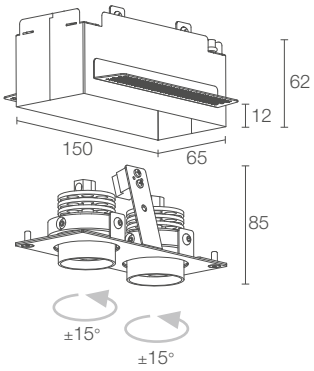
kg 0.30 IP40

A A+ A++

POWER / POWER SUPPLY CODE	max 6W max 500mA **QD6132 B** White **QD6132 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **6** - RGB
OPTICS	**S** - 12° tiltable ±15° **M** - 24° tiltable ±15° **L** - 56° tiltable ±15°
LUMEN OUTPUT AT SOURCE	436 lm (3000K, 500mA) RGB: 294 lm, R: 108 lm G: 140 lm B: 46 lm (500mA)
DELIVERED LUMEN OUTPUT	336 lm (3000K, 500mA, 24°) RGB: 210 lm, R: 77 lm G: 100 lm B: 33 lm (500mA, 24°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in steel
POWER SUPPLY UNIT	not included, see p. 537 and 844
POWER CABLES	terminal block
WIRING	series
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 536
PHOTOMETRIC DATA	see p. 802



QUAD 6.2



Required outer casing, not included

165x250 mm
H 150 mm

65x150 mm

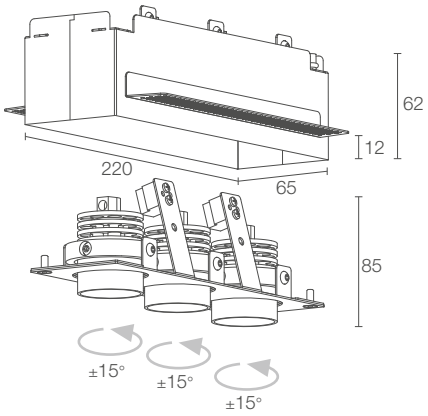
kg 0.60 IP40

A A+ A++

	max 12W max 500mA **QD6262** **B** White **QD6262** **N** Black
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **6** - RGB
	S - 12° tiltable ±15° **M** - 24° tiltable ±15° **L** - 56° tiltable ±15°
	436 lm (3000K, 500mA) per beam RGB: 294 lm, R: 108 lm G: 140 lm B: 46 lm (500mA) per beam
	336 lm (3000K, 500mA, 24°) per beam RGB: 210 lm, R: 77 lm G: 100 lm B: 33 lm (500mA, 24°) per beam
	6 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	not included, see p. 537 and 844
	terminal block
	series
	recessed (ceiling)
	see p. 536
	see p. 802



QUAD 6.3



Required outer casing, not included

165x325 mm
H 150 mm

65x220 mm

kg 0.80 IP40

A A+ A++

	max 18W max 500mA **QD6392** **B** White **QD6392** **N** Black
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **6** - RGB
	S - 12° tiltable ±15° **M** - 24° tiltable ±15° **L** - 56° tiltable ±15°
	436 lm (3000K, 500mA) per beam RGB: 294 lm, R: 108 lm G: 140 lm B: 46 lm (500mA) per beam
	336 lm (3000K, 500mA, 24°) per beam RGB: 210 lm, R: 77 lm G: 100 lm B: 33 lm (500mA, 24°) per beam
	9 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	not included, see p. 537 and 844
	terminal block
	series
	recessed (ceiling)
	see p. 536
	see p. 802

QUAD MAXI 1

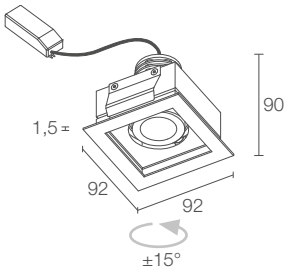
v
QUAD MAXI 1.1
4000K, 8W, 29°

Light planning by / Studio Luce Sacchi
Sordi Gioielli, Varedo, Monza and Brianza, Italy





QUAD MAXI 1.1



175x175 mm
H 150 mm

75x75 mm

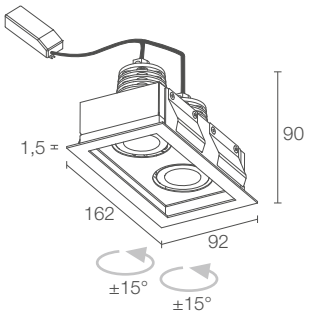
kg 0.30 IP40 IP43 installed

A A+ A++

POWER / POWER SUPPLY CODE	8W 230Vac **MQ1110 B** White 8W 230Vac 1-10V + PUSH **MQ1110 BR** White 8W 230Vac DALI + PUSH **MQ1110 BD** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 20° tiltable ±15° **M** - 29° tiltable ±15° **L** - 54° tiltable ±15°
LUMEN OUTPUT AT SOURCE	512 lm (3000K)
DELIVERED LUMEN OUTPUT	425 lm (3000K, 29°)
NO. AND TYPE OF LED	1 multichip power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in steel
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
PHOTOMETRIC DATA	see p. 802



QUAD MAXI 1.2



175x250 mm
H 150 mm

80x147 mm

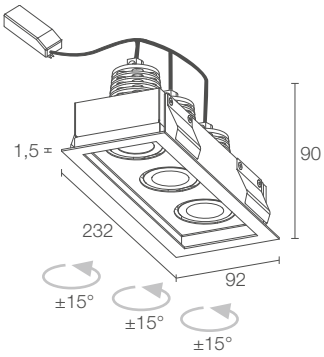
CE LED TECH kg 0.60 IP40 IP43 installed

A A+ A++

	14.5W 230Vac **MQ1210** ■ ■ **B** White
	14.5W 230Vac 1-10V + PUSH **MQ1210** ■ ■ **BR** White
	14.5W 230Vac DALI + PUSH **MQ1210** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 20° tiltable ±15° **M** - 29° tiltable ±15° **L** - 54° tiltable ±15°
	512 lm (3000K) per beam
	425 lm (3000K, 29°) per beam
	2 multichip power LEDs 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 802



QUAD MAXI 1.3



175x315 mm
H 150 mm

80x217 mm

CE LED TECH kg 0.80 IP40 IP43 installed

A A+ A++

	22W 230Vac **MQ1310** ■ ■ **B** White
	22W 230Vac 1-10V + PUSH **MQ1310** ■ ■ **BR** White
	22W 230Vac DALI + PUSH **MQ1310** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 20° tiltable ±15° **M** - 29° tiltable ±15° **L** - 54° tiltable ±15°
	512 lm (3000K) per beam
	425 lm (3000K, 29°) per beam
	3 multichip power LEDs 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 802

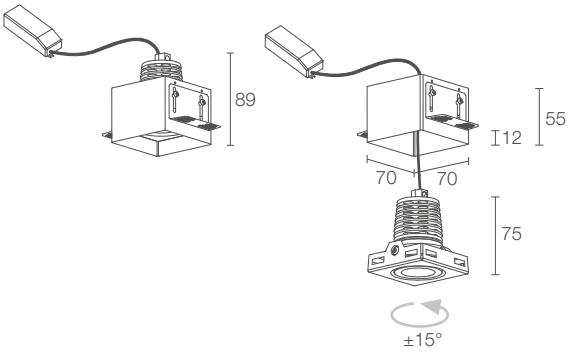
QUAD MAXI 2

v
QUAD MAXI 2.1
3000K, 8W, 29°





QUAD MAXI 2.1



Required outer casing, not included

170x170 mm
H 150 mm

70x70 mm

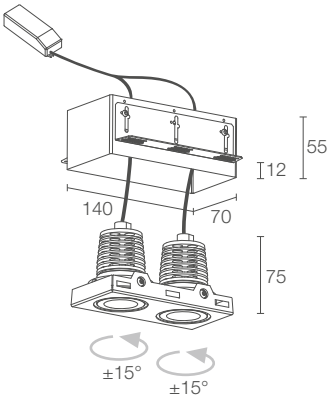
kg 0.30 IP40 IP43 installed

A A+ A++

POWER / POWER SUPPLY CODE	8W 230Vac **MQ2110 B** White 8W 230Vac 1-10V + PUSH **MQ2110 BR** White 8W 230Vac DALI + PUSH **MQ2110 BD** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 20° tiltable ±15° **M** - 29° tiltable ±15° **L** - 54° tiltable ±15°
LUMEN OUTPUT AT SOURCE	512 lm (3000K)
DELIVERED LUMEN OUTPUT	425 lm (3000K, 29°)
NO. AND TYPE OF LED	1 multichip power LED 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in steel
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 536
PHOTOMETRIC DATA	see p. 802



QUAD MAXI 2.2



Required outer casing, not included

170x240 mm
H 150 mm

70x140 mm

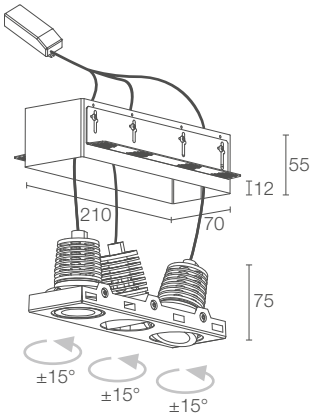
kg 0.60 IP40 IP43 installed

A A+ A++

	14.5W 230Vac **MQ2210** ■ ■ **B** White 14.5W 230Vac 1-10V + PUSH **MQ2210** ■ ■ **BR** White 14.5W 230Vac DALI + PUSH **MQ2210** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 20° tiltable ±15° **M** - 29° tiltable ±15° **L** - 54° tiltable ±15°
	512 lm (3000K) per beam
	425 lm (3000K, 29°) per beam
	2 multichip power LEDs 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 536
	see p. 802



QUAD MAXI 2.3



Required outer casing, not included

170x310 mm
H 150 mm

70x210 mm

kg 0.80 IP40 IP43 installed

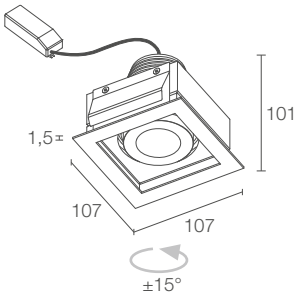
A A+ A++

	22W 230Vac **MQ2310** ■ ■ **B** White 22W 230Vac 1-10V + PUSH **MQ2310** ■ ■ **BR** White 22W 230Vac DALI + PUSH **MQ2310** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 20° tiltable ±15° **M** - 29° tiltable ±15° **L** - 54° tiltable ±15°
	512 lm (3000K) per beam
	425 lm (3000K, 29°) per beam
	3 multichip power LEDs 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 536
	see p. 802

QUAD MAXI 3



QUAD MAXI 3.1



190x190 mm
H 150 mm

95x95 mm

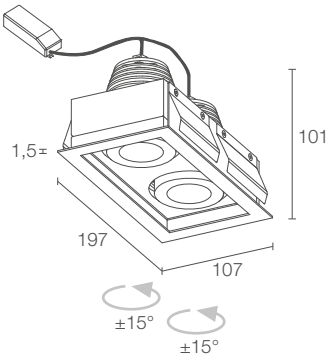
kg 0.76 IP40 IP43 installed

A A+ A++

POWER / POWER SUPPLY **CODE**	14W 230Vac **MQ3110 B** White 14W 230Vac 1-10V + PUSH **MQ3110 BR** White 14W 230Vac DALI + PUSH **MQ3110 BD** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**M** - 20° tiltable ±15° **L** - 40° tiltable ±15°
LUMEN OUTPUT AT SOURCE	1219 lm (3000K)
DELIVERED LUMEN OUTPUT	950 lm (3000K, 20°)
NO. AND TYPE OF LED	1 multichip power LED 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in steel
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
PHOTOMETRIC DATA	see p. 802



QUAD MAXI 3.2



190x280 mm
H 150 mm

95x182 mm

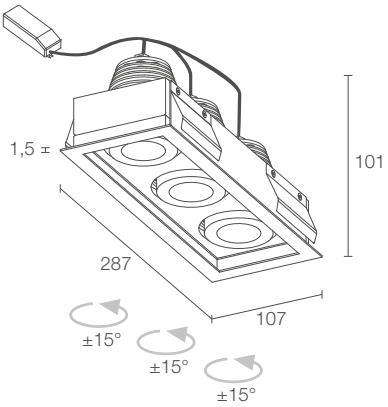
kg 1.00 IP40 IP43 installed

A A+ A++

	26W 230Vac **MQ3210** ■ ■ **B** White 26W 230Vac 1-10V + PUSH **MQ3210** ■ ■ **BR** White 26W 230Vac DALI + PUSH **MQ3210** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**M** - 20° tiltable ±15° **L** - 40° tiltable ±15°
	1219 lm (3000K) per beam
	950 lm (3000K, 20°) per beam
	2 multichip power LEDs 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 802



QUAD MAXI 3.3



190x370 mm
H 150 mm

95x272 mm

kg 1.50 IP40 IP43 installed

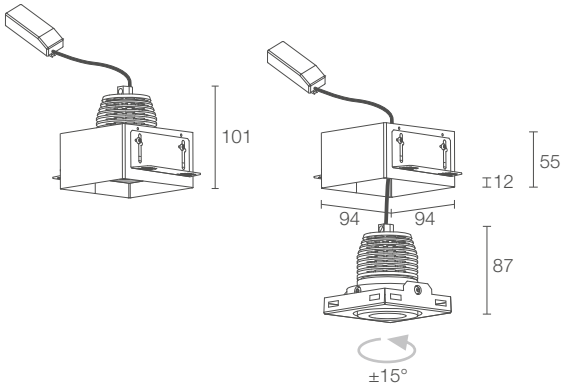
A A+ A++

	40W 230Vac **MQ3310** ■ ■ **B** White 40W 230Vac 1-10V + PUSH **MQ3310** ■ ■ **BR** White 40W 230Vac DALI + PUSH **MQ3310** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**M** - 20° tiltable ±15° **L** - 40° tiltable ±15°
	1219 lm (3000K) per beam
	950 lm (3000K, 20°) per beam
	3 multichip power LEDs 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 802

QUAD MAXI 4



QUAD MAXI 4.1



v
QUAD MAXI 4.1
3000K, 14W, 20°

Interior design by / Cristian Turra
Private residence, Iseo, Brescia, Italy



Required outer casing, not included

190x190 mm
H 150 mm

95x95 mm

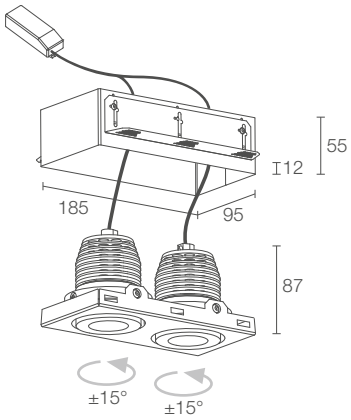
kg 0.50 IP40 IP43 installed

A A+ A++

POWER / POWER SUPPLY CODE	14W 230Vac **MQ4110 B** White 14W 230Vac 1-10V + PUSH **MQ4110 BR** White 14W 230Vac DALI + PUSH **MQ4110 BD** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**M** - 20° tiltable ±15° **L** - 40° tiltable ±15°
LUMEN OUTPUT AT SOURCE	1219 lm (3000K)
DELIVERED LUMEN OUTPUT	950 lm (3000K, 20°)
NO. AND TYPE OF LED	1 multichip power LED 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium trim in steel
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
ACCESSORIES	see p. 536
PHOTOMETRIC DATA	see p. 802



QUAD MAXI 4.2



Required outer casing, not included

190x280 mm
H 150 mm

95x185 mm

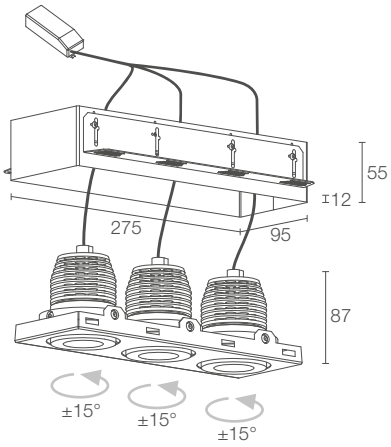
kg 1.00 IP40 IP43 installed

A A+ A++

	26W 230Vac **MQ4210** ■ ■ **B** White 26W 230Vac 1-10V + PUSH **MQ4210** ■ ■ **BR** White 26W 230Vac DALI + PUSH **MQ4210** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**M** - 20° tiltable ±15° **L** - 40° tiltable ±15°
	1219 lm (3000K) per beam
	950 lm (3000K, 20°) per beam
	2 multichip power LEDs 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 536
	see p. 802



QUAD MAXI 4.3



Required outer casing, not included

190x370 mm
H 150 mm

95x275 mm

kg 1.50 IP40 IP43 installed

A A+ A++

	40W 230Vac **MQ4310** ■ ■ **B** White 40W 230Vac 1-10V + PUSH **MQ4310** ■ ■ **BR** White 40W 230Vac DALI + PUSH **MQ4310** ■ ■ **BD** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**M** - 20° tiltable ±15° **L** - 40° tiltable ±15°
	1219 lm (3000K) per beam
	950 lm (3000K, 20°) per beam
	3 multichip power LEDs 2-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in anodized aluminium trim in steel
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 536
	see p. 802

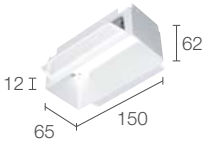
QUAD

ACCESSORIES AND POWER SUPPLY UNITS

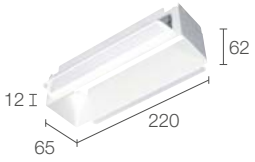
ACCESSORIES FOR INSTALLATION



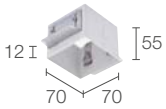
WC2001
Outer casing for plasterboard
(Quad 6.1)



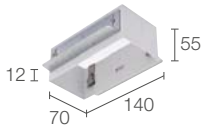
WC2002
Outer casing for plasterboard
(Quad 6.2)



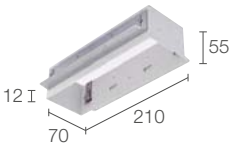
WC2003
Outer casing for plasterboard
(Quad 6.3)



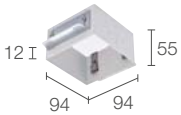
WC2201
Outer casing for plasterboard
(Quad Maxi 2.1)



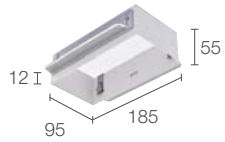
WC2202
Outer casing for plasterboard
(Quad Maxi 2.2)



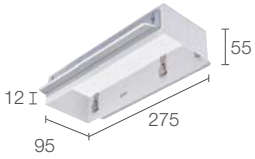
WC2203
Outer casing for plasterboard
(Quad Maxi 2.3)



WC2401
Outer casing for plasterboard
(Quad Maxi 4.1)



WC2402
Outer casing for plasterboard
(Quad Maxi 4.2)



WC2403
Outer casing for plasterboard
(Quad Maxi 4.3)

POWER SUPPLY UNITS Quad 6.1

350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1/3	ACUNI020T1	20	844 845
2/3	A310500QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Quad 6.2

350mA

Max no. fixtures	PSU	IP	Page
1	ACUNI020T1	20	844 845
1/2	A312350QL	20	845
1/2 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	ACUNI020T1	20	844 845
1	A310500QL	20	845
1/2 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Quad 6.3

350mA

Max no. fixtures	PSU	IP	Page
1	ACUNI020T1	20	844 845
1	A19350QL	20	845
1	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	ACUNI020T1	20	844 845
1	A310500QL	20	845
1 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860



ECHO LED

INDOOR RECESSED DOWNLIGHTS
GENERAL LIGHTING



diffuse

3000K 4000K

Ø178 mm



ECHO LED 1.0 p. 540
18W 230Vac

Ø197 mm



ECHO LED 2.0 p. 540
24W 230Vac



ECHO LED 3.0 p. 541
36W 230Vac

Ø245 mm



ECHO LED 4.0 p. 541
36W 230Vac

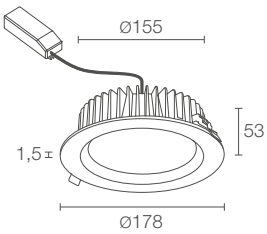
< **ECHO LED 4.0**
4000K, 36W, customized DALI version

Naples-Capodichino International Airport,
Naples, Italy

ECHO LED



ECHO LED 1.0



Ø 260 mm
H 120 mm

Ø 155 mm

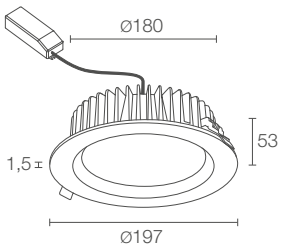
kg 1.00 IP40 IP44 installed

A A+ A++

POWER / POWER SUPPLY **CODE**	**18W 230Vac** **EC1000 D B** White
LED COLOUR	**5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1820 lm (3000K)
DELIVERED LUMEN OUTPUT	1250 lm (3000K)
NO. AND TYPE OF LED	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body and trim in die-cast aluminium screen in one-side-frosted polycarbonate
POWER SUPPLY UNIT	included and wired
POWER CABLES	includes 0.30 m cable
MOUNTING	recessed (ceiling)
PHOTOMETRIC DATA	see p. 757



ECHO LED 2.0



Ø 280 mm
H 120 mm

Ø 180 mm

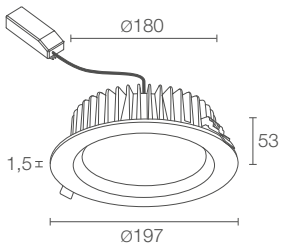
kg 1.10 IP40 IP44 installed

A A+ A++

	24W 230Vac **EC2000 D B** White
	5 - 3000K **9** - 4000K
	diffuse
	2440 lm (3000K)
	1680 lm (3000K)
	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body and trim in die-cast aluminium screen in one-side-frosted polycarbonate
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 757



ECHO LED 3.0



Ø 280 mm
H 120 mm

Ø 180 mm

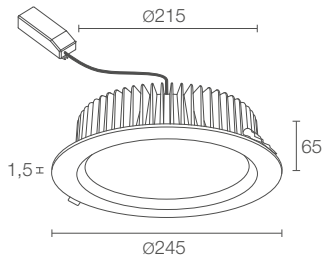
kg 1.15 IP40 IP44 installed

A A+ A++

	36W 230Vac **EC3000 D B** White
■	**5** - 3000K **9** - 4000K
	diffuse
	3506 lm (3000K)
	2418 lm (3000K)
	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body and trim in die-cast aluminium screen in one-side-frosted polycarbonate
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 757



ECHO LED 4.0



Ø 320 mm
H 130 mm

Ø 215 mm

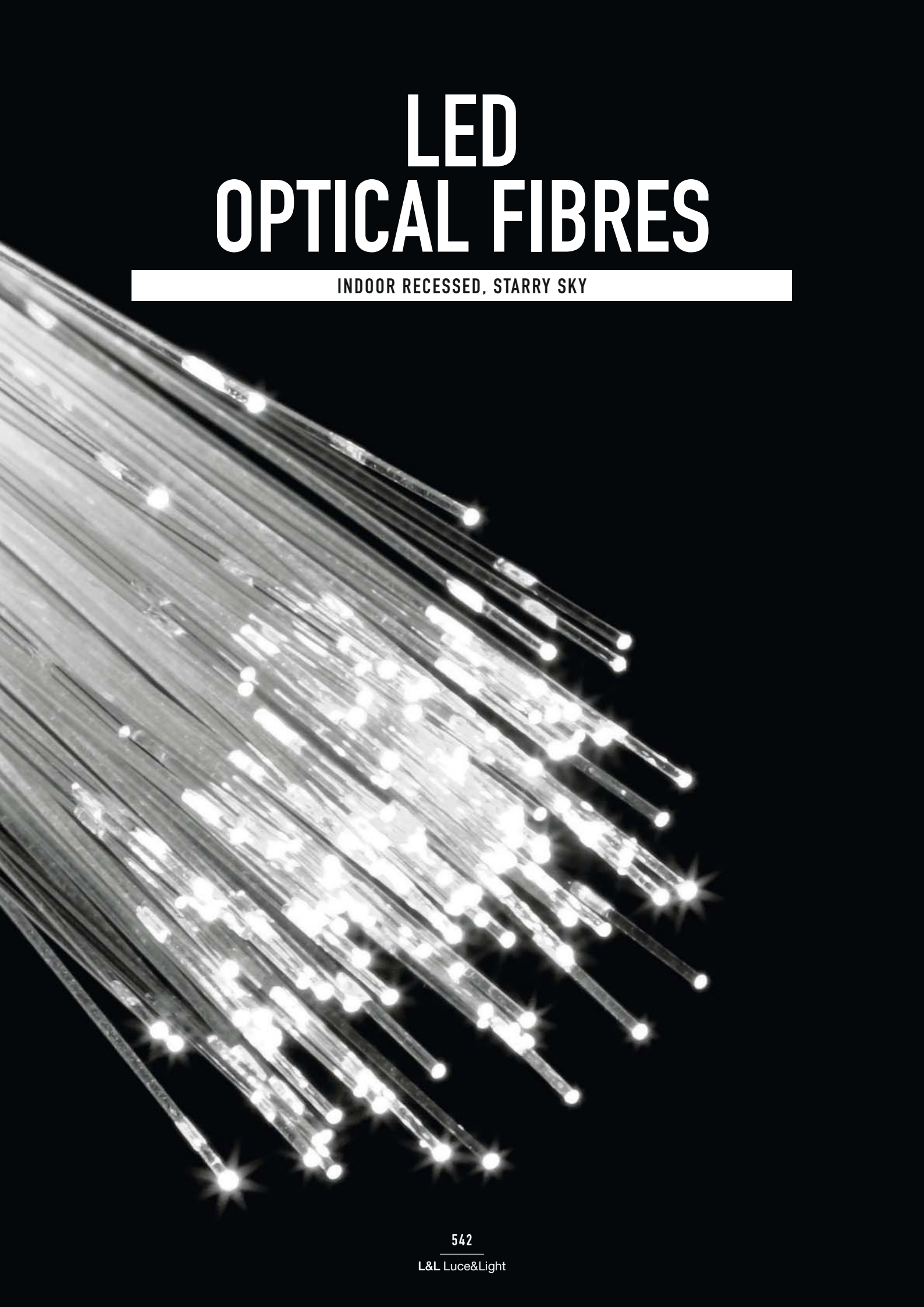
kg 1.56 IP40 IP44 installed

A A+ A++

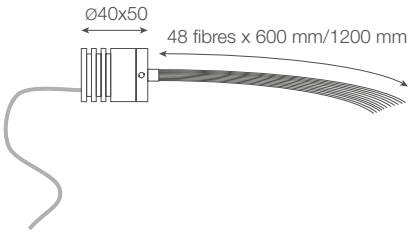
	36W 230Vac **EC4000 D B** White
■	**5** - 3000K **9** - 4000K
	diffuse
	3506 lm (3000K)
	2418 lm (3000K)
	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body and trim in die-cast aluminium screen in one-side-frosted polycarbonate
	included and wired
	includes 0.30 m cable
	recessed (ceiling)
	see p. 757

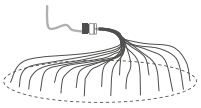
LED OPTICAL FIBRES

INDOOR RECESSED, STARRY SKY

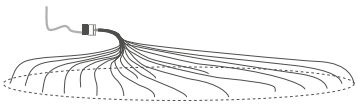


LED OPTICAL FIBRES





600 mm: about Ø1000 mm



1200 mm: about Ø2000 mm

Ø 130 mm
H 90 mm

Ø 1 mm x 48

kg 0.29 IP44

A A+ A++ EPS

POWER / POWER SUPPLY CODE	max 3W max 700mA blue/white light 600 mm **FB1013 06EA** max 3W max 700mA blue/white light 1200 mm **FB1013 12EA** max 3W max 350mA RGB light 600 mm **FB1011 6 06A** max 3W max 350mA RGB light 1200 mm **FB1011 6 12A**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	points of light
LUMEN OUTPUT AT SOURCE	186 lm (3000K, 700mA) RGB: 56 lm, R: 21 lm G: 26 lm B: 9 lm (350mA)
DELIVERED LUMEN OUTPUT	107 lm (3000K, 700mA) RGB: 40 lm, R: 15 lm G: 19 lm B: 6 lm (350mA)
NO. AND TYPE OF LED	1 power LED, 1/4 ANSI BIN (white LED colour) RGB: 1 full-colour LED 50000h L90 B10 (Ta 25°C)
MATERIAL	anodized aluminium, optical fibres
POWER SUPPLY UNIT	not included, see p. 544 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.50 Ø5.0 mm RGB: includes 1.5 m PVC cable FROR 6x0.25 Ø4.6 mm
WIRING	series
MOUNTING	recessed (ceiling, wall)
ACCESSORIES	see p. 544
NOTES	available on request with optical fibres in non-standard lengths

LED OPTICAL FIBRES

ACCESSORIES AND POWER SUPPLY UNITS

POWER CABLES

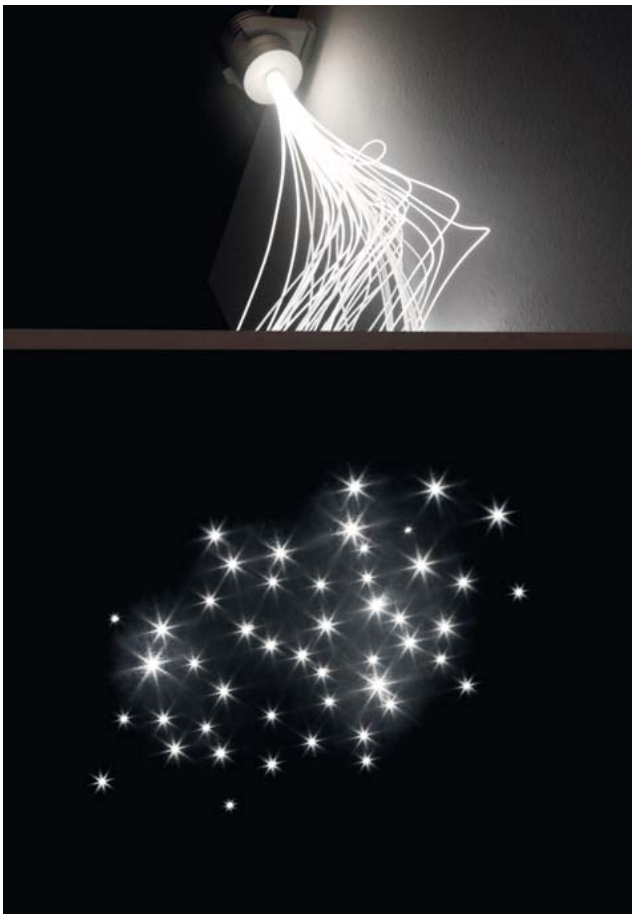
PVC cable
FROR 2x0.50 Ø5.0 mm
your choice of length
WF0100
white LED colour

order together with
the lighting fixture

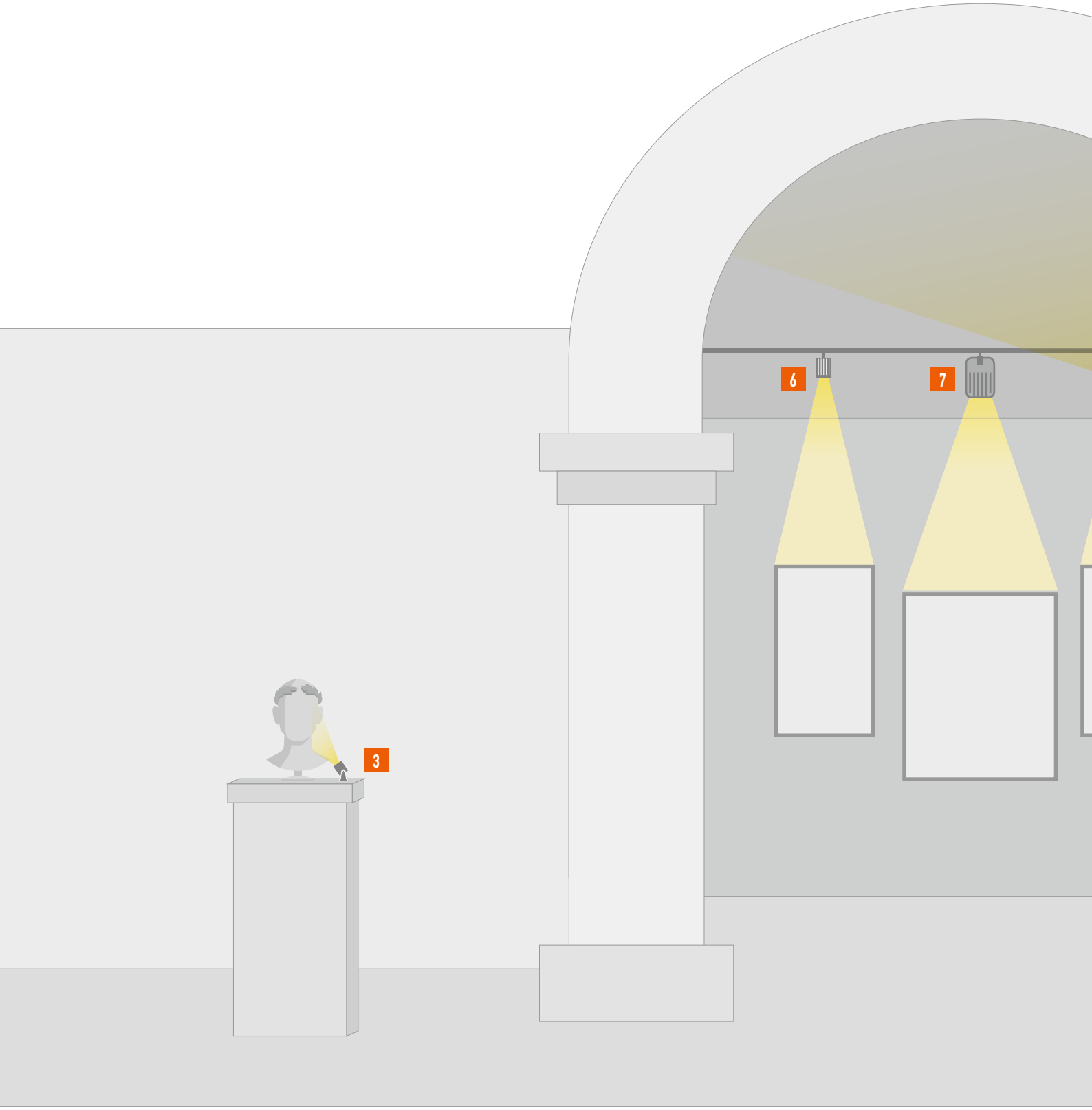
PVC cable
FROR 6x0.25 Ø4.6 mm
your choice of length
WF0210
RGB

POWER SUPPLY UNITS

Max no. fixtures	PSU	IP	Page
1/3	A13700QL	20	845
1/7	ACUNI020T1	20	844 845
1/12 dimmer	ADUNITC	20	848 849 850
-	RGB controller	-	855 - 860



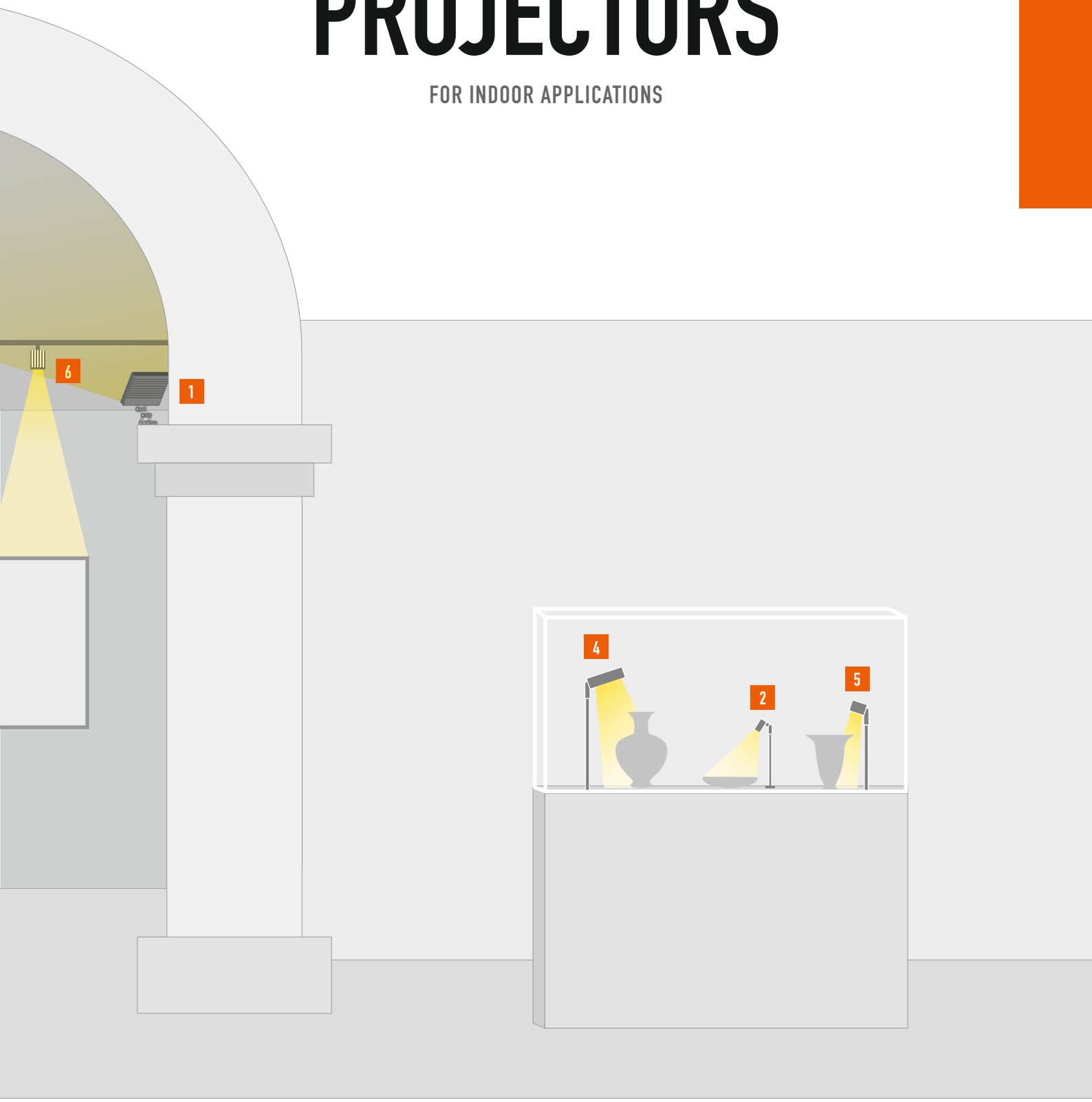




1 **DUOMO** p. 550 2 **KRILL** p. 558 3 **GEM** p. 570 4 **CITY** p. 574

PROJECTORS

FOR INDOOR APPLICATIONS



5 WALL 7 p. 576

6 ZAB TRACK p. 580

7 SIRI TRACK p. 590





		DUOMO see p. 550	KRILL see p. 558
APPLICATION		historic buildings	museums, retail
BEAM	FIXED FOCUS	•	•
	ZOOM LENS		•
LIGHT COLOUR		2700K 3000K 4000K	2700K 3000K 4000K
POWER		10–56W	max 1–max 4.5W
DELIVERED LUMEN OUTPUT (3000K)		714–4284 lm	51–253 lm
ADJUSTABILITY			
POWER SUPPLY	CONSTANT CURRENT power supply unit not included		max 350mA max 700mA
	MAINS VOLTAGE built-in power supply unit	230Vac	
IP		IP54	IP40
APPLIANCE CLASS			III
INSTALLATION		arcades, naves	shop windows, display cabinets
UNIQUE SELLING POINTS			

				
GEM	**CITY**	**WALL 7**	**ZAB TRACK**	**SIRI TRACK**
see p. 570	see p. 574	see p. 576	see p. 580	see p. 590
museums, retail, residential	museums, retail, residential	museums, retail, residential	museums, retail	museums, retail
•	•	•	•	•
			•	
2700K 3000K 4000K 5000K blue	3000K 4000K 5000K	2700K 3000K 4000K 5000K	2700K 3000K 4000K	2700K 3000K 4000K
max 2W	max 3W	max 2W	23–36W	16W
95 lm	221 lm	103 lm	1302–2310 lm	1010 lm
max 500mA	max 350mA	max 500mA		
			230Vac	230Vac
IP40	IP20	IP20	IP40	IP40
III	III	III	⏚	⏚
shop windows	shop window	shop windows	track	track
			CRI 98, R9 > 98 high visual comfort: Soft Start and Flicker Free	on-board manual dimmer



DUOMO

INDOOR PROJECTORS
ARCHITECTURAL LIGHTING FOR NAVES AND ARCADES





DUOMO 1.0 p. 554
10W 230Vac
ON/OFF



DUOMO 2.0 p. 554
19W 230Vac
ON/OFF



DUOMO 3.0 p. 555
28W 230Vac
ON/OFF
DALI



DUOMO 4.0 p. 555
56W 230Vac
ON/OFF
DALI

< DUOMO 3.0
3000K, 28W, 30°, antique white











DUOMO'S ADJUSTABLE BRACKET MEANS THE FIXTURE CAN BE CANTILEVERED FROM CORNICES OR OTHER ARCHITECTURAL ELEMENTS

ANTI-GLARE RECESSED OPTICS





ANTIQUE WHITE FINISH TO VISUALLY INTEGRATE THE LIGHTING FIXTURE INTO HISTORIC BUILDINGS

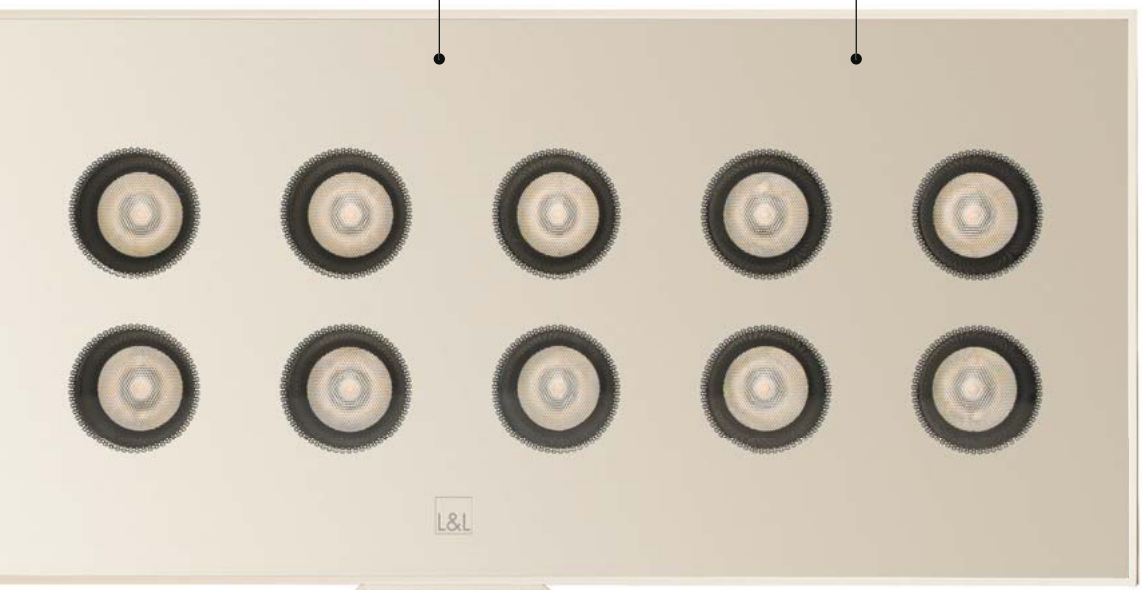
DUOMO

UNIQUE SELLING POINTS

BUILT-IN PROTECTION SYSTEMS:

PID
PROTECTIVE IMPEDANCE DEVICE

DIMMING WITH DALI, 1–10V OR PUSH, OR WITH BLUETOOTH CONTROL, ON REQUEST





IK06

SERIGRAPHED, TEMPERED EXTRA-CLEAR GLASS

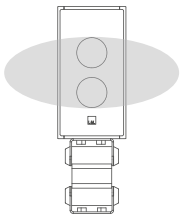
IP54

SUITABLE FOR INSTALLATION IN CLOISTERS AND COLLONADES

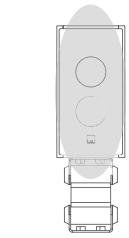


THE BRACKET CAN SLIDE ALONG THE ENTIRE LENGTH OF THE HEAD, ALLOWING THE PROJECTOR TO BE INSTALLED AND ANGLED IN TIGHT SPACES

DUOMO



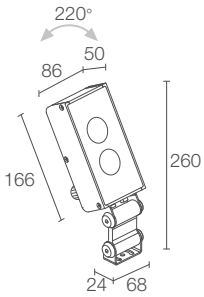
18°x44° optics



44°x18° optics

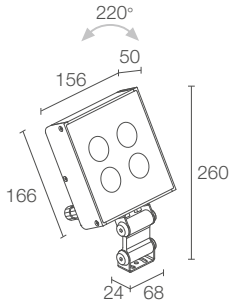


DUOMO 1.0





DUOMO 2.0



CE LED TECH kg 0.80 IP54 IK06
A A+ A++ PID

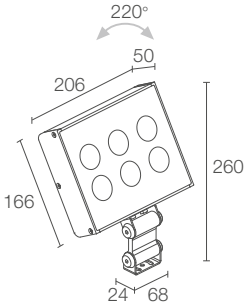
POWER / POWER SUPPLY	10W 230Vac ON/OFF
CODE	**DU1010 00 0 6** Antique white **DU1010 00 0 E** White **DU1010 00 0 H** Anthracite
CRI	**0** - CRI 80 **1** - CRI >90
HONEYCOMB LOUVRE	**0** - not present **1** - present (not compatible with the 10° optics)
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**T** - 10° **J** - 43° **S** - 14° **K** - 63° **M** - 30° **W** - 18°x44° **L** - 35° **X** - 44°x18°
LUMEN OUTPUT AT SOURCE	880 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	714 lm (3000K, 30°, CRI 80)
NO. AND TYPE OF LED	2 high intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body and bracket in Anticorodal® aluminium screen in serigraphed, tempered, extra-clear glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling, wall, floor)
ACCESSORIES	see p. 556
FEATURES	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
NOTES	available on request with adapter for Eurostandard track and in DALI, 1–10V or PUSH version, or with Bluetooth control
PHOTOMETRIC DATA	see p. 754

CE LED TECH kg 1.55 IP54 IK06
A A+ A++ PID

	19W 230Vac ON/OFF
	DU2010 00 0 6 Antique white **DU2010 00 0 E** White **DU2010 00 0 H** Anthracite
	0 - CRI 80 **1** - CRI >90
	0 - not present **1** - present (not compatible with 10° optics)
	F - 2700K **5** - 3000K **9** - 4000K
	T - 10° **J** - 43° **S** - 14° **K** - 63° **M** - 30° **W** - 18°x44° **L** - 35° **X** - 44°x18°
	1760 lm (3000K, CRI 80)
	1428 lm (3000K, 30°, CRI 80)
	4 high intensity power LEDs 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body and bracket in Anticorodal® aluminium screen in serigraphed, tempered, extra-clear glass
	built in
	surface mounted (ceiling, wall, floor)
	see p. 556
	electrical wiring simplified by the ability to connect the electrical cables directly to the connector
	available on request with adapter for Eurostandard track and in DALI, 1–10V or PUSH version, or with Bluetooth control
	see p. 754 and 755



DUOMO 3.0



kg 2.10 IP54 IK06

A A+ A++ PID

28W 230Vac ON/OFF

DU3010 00 0 6	Antique white
DU3010 00 0 E	White
DU3010 00 0 H	Anthracite

28W 230Vac DALI

DU3010 D0 0 6	Antique white
DU3010 D0 0 E	White
DU3010 D0 0 H	Anthracite

0 - CRI 80
1 - CRI >90

0 - not present
1 - present
(not compatible with 10° optics)

F - 2700K
5 - 3000K
9 - 4000K

T - 10°	**J** - 43°
S - 14°	**K** - 63°
M - 30°	**W** - 18°x44°
L - 35°	**X** - 44°x18°

2640 lm (3000K, CRI 80)

2142 lm (3000K, 30°, CRI 80)

6 high intensity power LEDs
3-step MacAdam, 50000h L90 B10 (Ta 25°C)

body and bracket in Anticorodal® aluminium
screen in serigraphed, tempered, extra-clear glass

built in

surface mounted (ceiling, wall, floor)

see p. 556

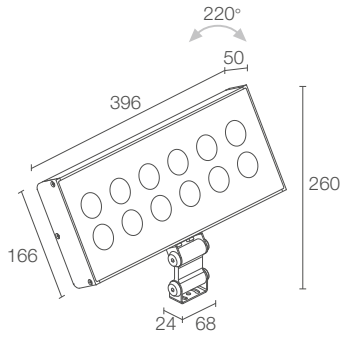
electrical wiring simplified by the ability to connect the electrical cables directly to the connector

available on request with adapter for Eurostandard track and in 1–10V or PUSH version, or with Bluetooth control

see p. 755



DUOMO 4.0



kg 4.50 IP54 IK06

A A+ A++ PID

56W 230Vac ON/OFF

DU4010 00 0 6	Antique white
DU4010 00 0 E	White
DU4010 00 0 H	Anthracite

56W 230Vac DALI

DU4010 D0 0 6	Antique white
DU4010 D0 0 E	White
DU4010 D0 0 H	Anthracite

0 - CRI 80
1 - CRI >90

0 - not present
1 - present
(not compatible with 10° optics)

F - 2700K
5 - 3000K
9 - 4000K

T - 10°	**J** - 43°
S - 14°	**K** - 63°
M - 30°	**W** - 18°x44°
L - 35°	**X** - 44°x18°

5280 lm (3000K, CRI 80)

4284 lm (3000K, 30°, CRI 80)

12 high intensity power LEDs
3-step MacAdam, 50000h L90 B10 (Ta 25°C)

body and bracket in Anticorodal® aluminium
screen in serigraphed, tempered, extra-clear glass

built in

surface mounted (ceiling, wall, floor)

see p. 556

electrical wiring simplified by the ability to connect the electrical cables directly to the connector

available on request with adapter for Eurostandard track and in 1–10V or PUSH version, or with Bluetooth control

see p. 756

DUOMO

ACCESSORIES

ACCESSORIES

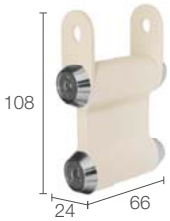


WF0316

3-pin female connector
for in/out connection
(on/off version)
(Duomo 2.0 / 3.0 / 4.0)

WF0317

5-pin female connector
for in/out connection
(DALI version)
(Duomo 3.0 / 4.0)



WMA006 - Antique white
WMA00E - White
WMA00H - Anthracite
Adjustable bracket

Easy to wire because electrical
cables can be connected
directly to the connector

In/out connection possible







KRILL

INDOOR PROJECTORS
DISPLAY LIGHTING FOR MUSEUMS AND RETAIL SETTINGS

2700K 3000K 4000K

narrow medium wide elliptical

zoom lens

Ø18 mm	Ø25 mm	Ø30 mm
		
KRILL 1.0 p. 564 max 1W max 350mA	**KRILL 2.0** p. 565 max 2.5W max 700mA	**KRILL 3.0** p. 566 max 4.5W max 350mA
		
KRILL 1.4 p. 564 max 1W max 350mA	**KRILL 2.4** p. 565 max 2.5W max 700mA	**KRILL 3.4** p. 566 max 4.5W max 350mA

< **KRILL 1.0**
3000K, 1W, 40°÷26°, antique bronze
KRILL 3.4
3000K, 4.5W, optical range 18°–80°,
antique bronze, with rigid arm

Family of compact projectors with a minimalist design.
Two features that make Krill the perfect solution
for lighting inside shop windows and
display cabinets in the retail and museum sectors.

RAL FINISH
ON REQUEST

KRILL IS AVAILABLE
WITH EITHER FIXED OPTICS
OR A ZOOM LENS WITH WHICH
THE ANGLE OF THE LIGHT
BEAM CAN BE ADJUSTED AND
ADAPTED AS THE OBJECTS
DISPLAYED CHANGE





THE ARM'S DOUBLE
JOINT MEANS KRILL
CAN BE ADJUSTED
BY UP TO 180º

KRILL

UNIQUE SELLING POINTS



ROSE GOLD



ANTIQUE BRONZE



WHITE



BLACK

CRI >90

THE ENTIRE KRILL RANGE USES
LED LIGHT SOURCES WITH A
HIGH COLOUR RENDERING INDEX







KRILL

BUILD THE VERSION YOU WANT IN THREE STEPS

1
CHOOSE THE BODY



KRILL 1.0
FIXED FOCUS



KRILL 1.4
ZOOM LENS



KRILL 2.0
FIXED FOCUS



KRILL 2.4
ZOOM LENS



KRILL 3.0
FIXED FOCUS



KRILL 3.4
ZOOM LENS

2
CHOOSE THE REQUIRED INSTALLATION ACCESSORY

every accessory is compatible with all Krill products



FIXING BASE



CEILING ROSE



MAGNETIC PLATE



FIXING SPRING

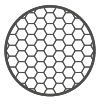


NIPPLE COUPLER

3
COMPLETE YOUR CHOICE WITH OPTIONAL ACCESSORIES



SNOOT
only compatible with
Krill 2.0 and Krill 3.0



HONEYCOMB LOUVRE
only compatible with
Krill 2.0 and Krill 3.0



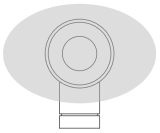
ARM – 150 mm or 300 mm
only compatible with
fixing base and nipple coupler

< KRILL HAS A WIDE RANGE OF ACCESSORIES
TO ENABLE IT TO EASILY REACH
THE DETAILS TO BE EMPHASISED

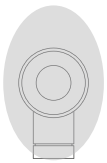
KRILL 1



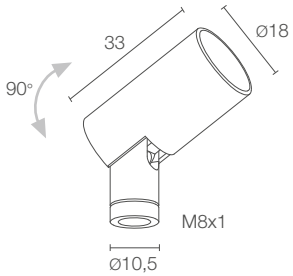
KRILL 1.0



26°x40° optics
(Krill 1.0)



40°x26° optics
(Krill 1.0)



Required installation accessories, not included

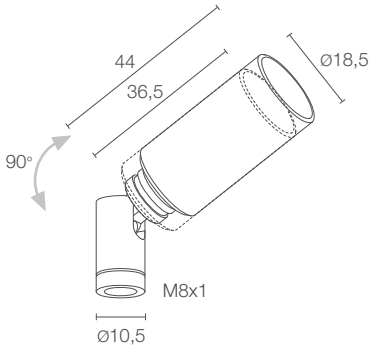
kg 0.035 IP40

A A+ A++

POWER / POWER SUPPLY	max 1W max 350mA
CODE	**KI10201000 0 E** White **KI10201000 0 N** Black **KI10201000 0 Y** Rose gold **KI10201000 0 Z** Antique bronze
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**M**- 23° **L** - 36° **J** - 48° **W**- 26°x40° **X** - 40°x26°
LUMEN OUTPUT AT SOURCE	105 lm (3000K, 350mA)
DELIVERED LUMEN OUTPUT	51 lm (3000K, 350mA, 36°)
NO. AND TYPE OF LED	1 power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium joint in brass
POWER SUPPLY UNIT	not included, see p. 569 and 844
POWER CABLES	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm
WIRING	series
MOUNTING	surface mounted (shop windows, display cabinets)
ACCESSORIES	see p. 568
FEATURES	CRI >90
PHOTOMETRIC DATA	see p. 777



KRILL 1.4



Required installation accessories, not included

kg 0.045 IP40

A A+ A++

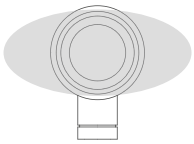
	max 1W max 350mA
	KI14201000 R1 E White **KI14201000 R1 N** Black **KI14201000 R1 Y** Rose gold **KI14201000 R1 Z** Antique bronze
	F - 2700K **5** - 3000K **9** - 4000K
	optical range 22°–64°
	105 lm (3000K, 350mA)
	60 lm (3000K, 350mA, 64°)
	1 power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anticorodal aluminium joint in brass
	not included, see p. 569 and 844
	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm
	series
	surface mounted (shop windows, display cabinets)
	see p. 568
	CRI >90
	see p. 777

KRILL 2

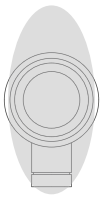




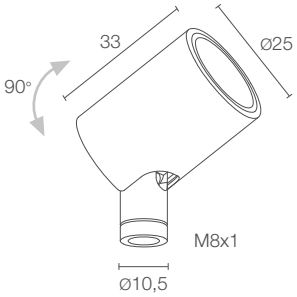
KRILL 2.0



23°x50° optics
(Krill 2.0)



50°x23° optics
(Krill 2.0)

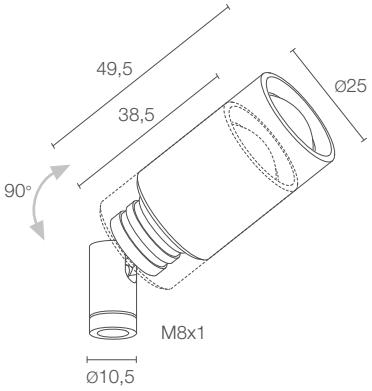


Required installation accessories, not included

kg 0.05 IP40

A A+ A++

KRILL 2.4



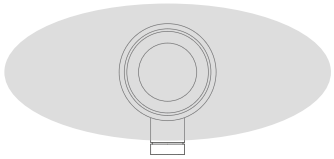
Required installation accessories, not included

kg 0.065 IP40

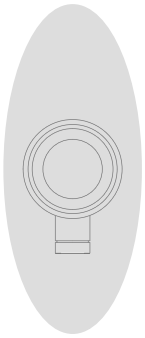
A A+ A++

	KRILL 2.0	KRILL 2.4
POWER / POWER SUPPLY CODE	max 2.5W max 700mA **KI20201000 0 E** White **KI20201000 0 N** Black **KI20201000 0 Y** Rose gold **KI20201000 0 Z** Antique bronze	max 2.5W max 700mA **KI24201000 R1 E** White **KI24201000 R1 N** Black **KI24201000 R1 Y** Rose gold **KI24201000 R1 Z** Antique bronze
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 17° **M**- 25° **L** - 33° **W**- 23°x50° **X** - 50°x23°	optical range 9°–70°
LUMEN OUTPUT AT SOURCE	202 lm (3000K, 700mA)	202 lm (3000K, 700mA)
DELIVERED LUMEN OUTPUT	150 lm (3000K, 700mA, 17°)	176 lm (3000K, 700mA, 70°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium joint in brass	body in anticorodal aluminium joint in brass
POWER SUPPLY UNIT	not included, see p. 569 and 844	not included, see p. 569 and 844
POWER CABLES	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm
WIRING	series	series
MOUNTING	surface mounted (shop windows, display cabinets)	surface mounted (shop windows, display cabinets)
ACCESSORIES	see p. 568	see p. 568
FEATURES	CRI >90	CRI >90
PHOTOMETRIC DATA	see p. 777 and 778	see p. 778

KRILL 3



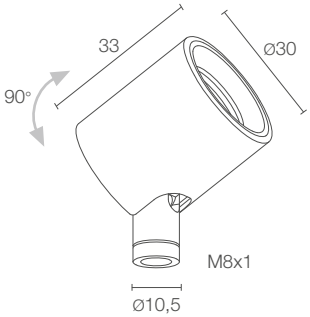
21°x50° optics
(Krill 3.0)



50°x21° optics
(Krill 3.0)



KRILL 3.0



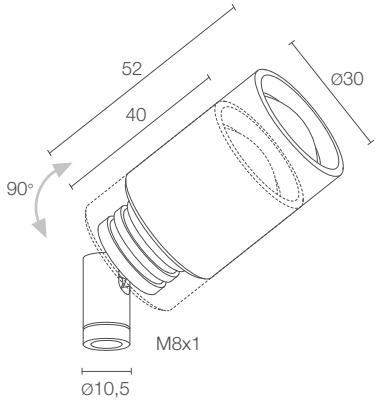
Required installation accessories, not included

kg 0.06 IP40

A A+ A++ PID



KRILL 3.4



Required installation accessories, not included

kg 0.075 IP40

A A+ A++ PID

	KRILL 3.0	KRILL 3.4
POWER / POWER SUPPLY CODE	max 4.5W max 350mA **KI30201000 0 E** White **KI30201000 0 N** Black **KI30201000 0 Y** Rose gold **KI30201000 0 Z** Antique bronze	max 4.5W max 350mA **KI34201000 R1 E** White **KI34201000 R1 N** Black **KI34201000 R1 Y** Rose gold **KI34201000 R1 Z** Antique bronze
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 16° **M**- 23° **L** - 33° **K** - 42° **W**- 21°x50° **X** - 50°x21°	optical range 18°–80°
LUMEN OUTPUT AT SOURCE	452 lm (3000K, 350mA)	452 lm (3000K, 350mA)
DELIVERED LUMEN OUTPUT	281 lm (3000K, 350mA, 23°)	253 lm (3000K, 350mA, 80°)
NO. AND TYPE OF LED	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	1 high intensity power LED 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium joint in brass	body in anticorodal aluminium joint in brass
POWER SUPPLY UNIT	not included, see p. 569 and 844	not included, see p. 569 and 844
POWER CABLES	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm
WIRING	series	series
MOUNTING	surface mounted (shop windows, display cabinets)	surface mounted (shop windows, display cabinets)
ACCESSORIES	see p. 568	see p. 568
FEATURES	CRI >90	CRI >90
PHOTOMETRIC DATA	see p. 778	see p. 778

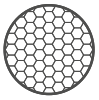
KRILL 2.4 >
3000K, 2.5W, optical range 9°–70°
rose gold, with magnetic plates on an iron pole



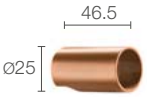
KRILL

ACCESSORIES AND POWER SUPPLY UNITS

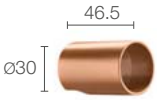
ANTI-GLARE ACCESSORIES



WHKI20A0 (Krill 2.0)
WHKI30A0 (Krill 3.0)
Honeycomb louvre



WBA00E - White
WBA00N - Black
WBA00Y - Rose gold
WBA00Z - Antique bronze
Standard snoot
(Krill 2.0)



WBA01E - White
WBA01N - Black
WBA01Y - Rose gold
WBA01Z - Antique bronze
Standard snoot
(Krill 3.0)

ACCESSORIES FOR INSTALLATION



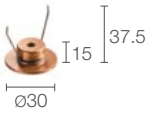
WDA00E - White
WDA00N - Black
WDA00Y - Rose gold
WDA00Z - Antique bronze
Fixing base



WDA03E - White
WDA03N - Black
WDA03Y - Rose gold
WDA03Z - Antique bronze
Ceiling rose



WDA04E - White
WDA04N - Black
WDA04Y - Rose gold
WDA04Z - Antique bronze
Magnetic plate



WGA08E - White
WGA08N - Black
WGA08Y - Rose gold
WGA08Z - Antique bronze
Fixing spring



h 150 mm
WDA01E - White
WDA01N - Black
WDA01Y - Rose gold
WDA01Z - Antique bronze

h 300 mm
WDA02E - White
WDA02N - Black
WDA02Y - Rose gold
WDA02Z - Antique bronze
Rigid arm
order together with the fixing base or the nipple



WGA01
Nipple coupler

Required installation accessories, not included

POWER CABLES

PVC cable
HT105° 2x0.20 Ø3.0 mm
your choice of length
WF0600

order together with the lighting fixture

POWER SUPPLY UNITS Krill 1.0 / 1.4

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

POWER SUPPLY UNITS Krill 2.0 / 2.4

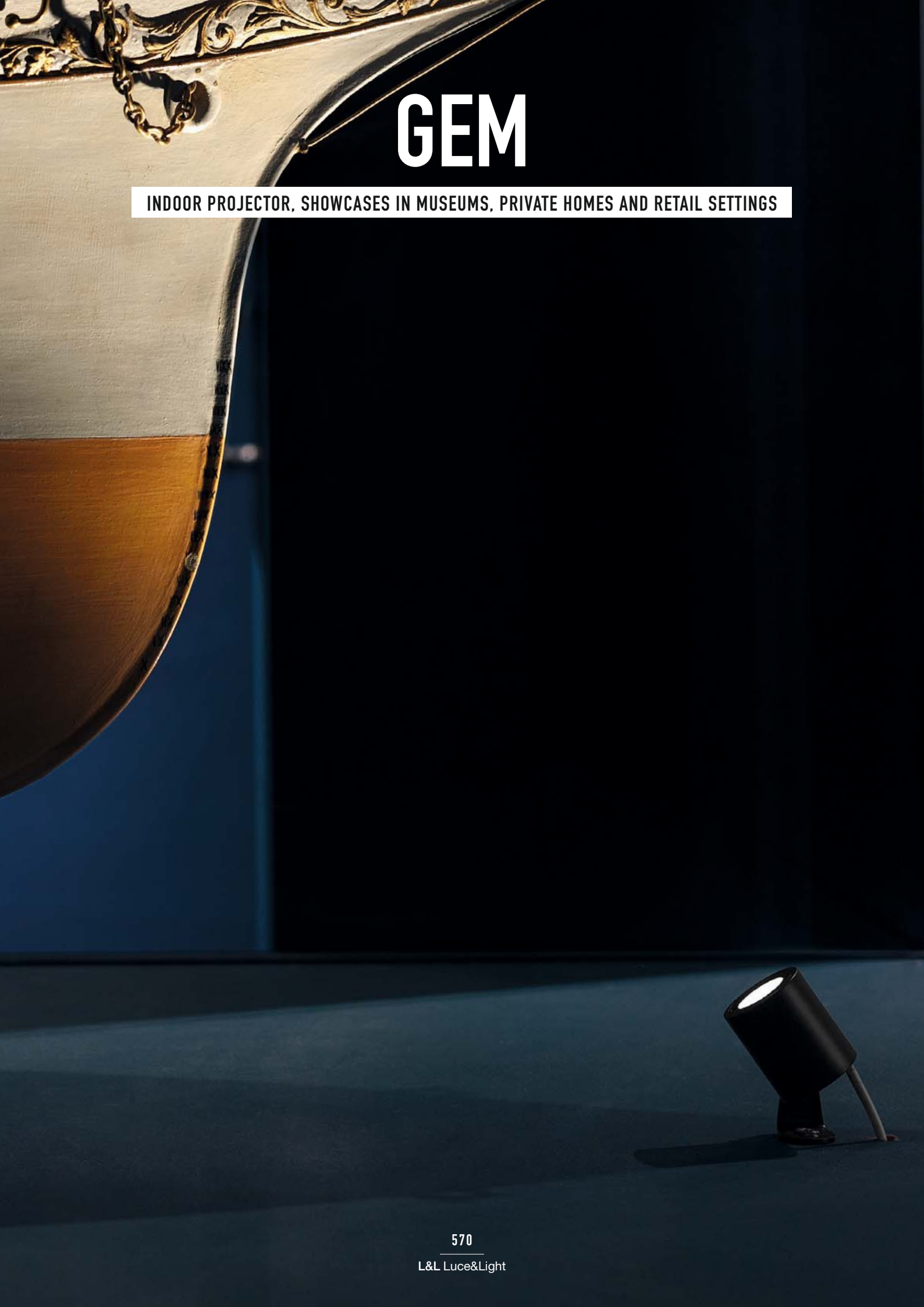
700mA

Max no. fixtures	PSU	IP	Page
1/3	A13700QL	20	845
1/7 dimmer	ADUNITC	20	848 849 850
1/7	ACUNI020T1	20	844 845
1/3	A13700IP67	67	845
1/9	A39700IP67	67	845

POWER SUPPLY UNITS Krill 3.0 / 3.4

350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/4	ACUNI020T1	20	844 845
1/3	A19350QL	20	845
1/3	A312350QL	67	845
1/4	ADUNITC	67	848 849 850

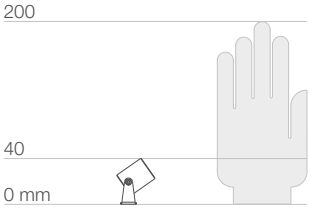


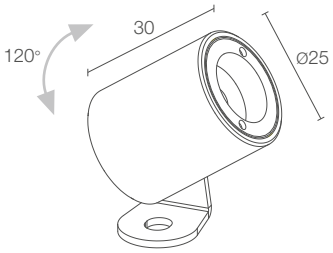
GEM

INDOOR PROJECTOR, SHOWCASES IN MUSEUMS, PRIVATE HOMES AND RETAIL SETTINGS



GEM 1.0





kg 0.15 IP40

A A+ A++

POWER / POWER SUPPLY	max 2W max 500mA
CODE	**GE1012 B** White **GE1012 C** Chrome **GE1012 P** Pearl chrome **GE1012 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 10° **M** - 20° **L** - 40°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	95 lm (3000K, 500mA, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium
POWER SUPPLY UNIT	not included, see p. 572 and 844
POWER CABLES	includes 1.5 m PVC cable HT105° 2x0.20 Ø3.0 mm
WIRING	series
MOUNTING	surface mounted (ceiling, wall, floor, shop windows)
ACCESSORIES	see p. 572
NOTES	IP44 version available on request
PHOTOMETRIC DATA	see p. 765


White


Chrome


Pearl chrome


Black

GEM

ACCESSORIES AND POWER SUPPLY UNITS

POWER CABLES

PVC cable
HT105° 2x0.20 Ø3.0 mm
your choice of length
WF0600

order together with the lighting fixture

POWER SUPPLY UNITS

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850



v
GEM 1.0
3000K, 2W, 40°, black

Project by / Studio ARCHH Lorenzo Agnese, Giovanni Guerrieri
Photo by / Alessio Tamborini
The Coeclerici Gallery, Galata Maritime Museum, Genoa, Italy



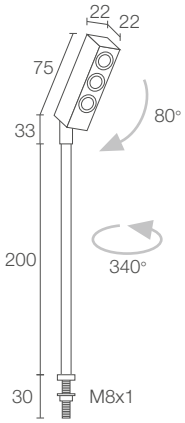
CITY

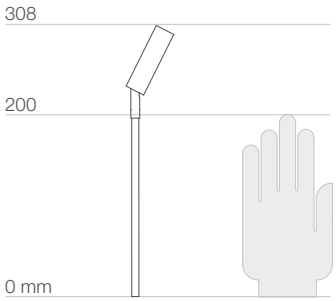
INDOOR PROJECTOR, SHOWCASES IN MUSEUMS, PRIVATE HOMES AND RETAIL SETTINGS



CITY 1.0







Rigid pole:
Ø8 mm - 200 mm

kg 0.20 IP20

A A+ A++

POWER / POWER SUPPLY CODE	max 3W max 350mA **CY103120 C** Chrome **CY103120 S** Satin
LED COLOUR	**5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**S** - 10° **M** - 25° **L** - 40°
LUMEN OUTPUT AT SOURCE	331 lm (3000K, 350mA)
DELIVERED LUMEN OUTPUT	221 lm (3000K, 350mA, 25°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium, pole in brass
POWER SUPPLY UNIT	not included

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/3	A19350QL	20	845
1/5	ACUNI020T1	20	844 845
2/4	A312350QL	20	845
1/4 dimmer	ADUNITC	20	848 849 850

POWER CABLES	includes 0.50 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	surface mounted (shop windows)
ACCESSORIES	**WF0110** PVC cable FROR 2x0.35 Ø3.5 mm your choice of length (order together with the lighting fixture)
NOTES	available on request with non-standard pole height
PHOTOMETRIC DATA	see p. 744

< CITY 1.0
3000K, 3W, 40°, satin

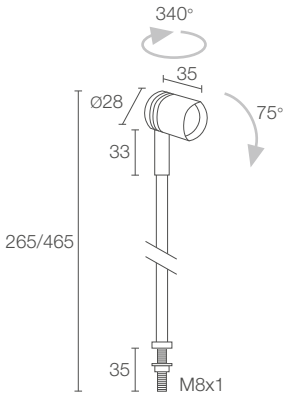
WALL

INDOOR PROJECTORS, SHOWCASES IN MUSEUMS, PRIVATE HOMES AND RETAIL SETTINGS





WALL 7.0



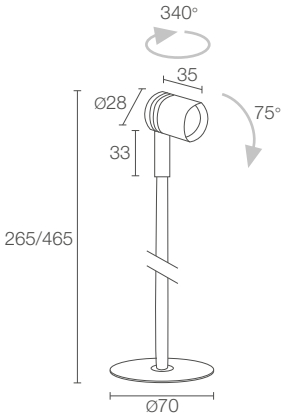
Rigid pole:
Ø8 mm - 00/200/400 mm

kg 0.10
kg 0.20 - 200 mm
kg 0.40 - 400 mm
IP20

A A+ A++



WALL 7.1



Rigid pole:
Ø8 mm - 00/200/400 mm

kg 0.10
kg 0.20 - 200 mm
kg 0.40 - 400 mm
IP20

A A+ A++

POWER / POWER SUPPLY CODE	max 2W max 500mA just the head **PL701200 C** Chrome **PL701200 S** Satin max 2W max 500mA h 200 mm **PL701220 C** Chrome **PL701220 S** Satin max 2W max 500mA h 400 mm **PL701240 C** Chrome **PL701240 S** Satin	max 2W max 500mA just the head **PL711200 C** Chrome **PL711200 S** Satin max 2W max 500mA h 200 mm **PL711220 C** Chrome **PL711220 S** Satin max 2W max 500mA h 400 mm **PL711240 C** Chrome **PL711240 S** Satin
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**S** - 10° **M** - 25° **L** - 40°	**S** - 10° **M** - 25° **L** - 40°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	103 lm (3000K, 500mA, 25°)	103 lm (3000K, 500mA, 25°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body and pole in brass screen in tempered, transparent extra-clear glass	body and pole in brass screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 578 and 844	not included, see p. 578 and 844
POWER CABLES	includes 0.50 m PVC cable FROR 2x0.35 Ø3.5 mm	includes 0.50 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series	series
MOUNTING	surface mounted (shelf max 25 mm, shop windows)	surface mounted (shelf max 25 mm, wall, shop windows)
ACCESSORIES	see p. 578	see p. 578
NOTES	available on request with non-standard pole height	available on request with non-standard pole height
PHOTOMETRIC DATA	see p. 837	see p. 837

WALL

ACCESSORIES AND POWER SUPPLY UNITS

POWER CABLES

PVC cable
FROR 2x0.35 Ø3.5 mm
your choice of length
WF0110

order together with the lighting fixture

POWER SUPPLY UNITS

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/2	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

WALL 7.0 >
3000K, 2W, 40°, chrome
version with customized heights

Light planning by / Inverse Lighting Design
Galeries Printemps, Paris, France


269
179
169
79
119



ZAB TRACK

INDOOR PROJECTORS
BRIGHT COLOURS AND VISUAL COMFORT

2700K 3000K 4000K

FIXED FOCUS



narrow medium wide

Ø89 mm	Ø109 mm
	
ZAB TRACK 1.0 p. 584 23W 230Vac - CRI 98 COB LED Xicato Xtm Artist Series® (2-step MacAdam)	**ZAB TRACK 3.0** p. 586 34W 230Vac - CRI 98 COB LED Xicato Xtm Artist Series® (2-step MacAdam)
	
ZAB TRACK 1.1 p. 584 29W 230Vac - CRI 94 COB LED Citizen (3-step MacAdam)	**ZAB TRACK 3.1** p. 586 36W 230Vac - CRI 94 COB LED Citizen (3-step MacAdam)

ZOOM LENS



	
ZAB TRACK 2.0 p. 585 23W 230Vac - CRI 98 COB LED Xicato Xtm Artist Series® (2-step MacAdam)	**ZAB TRACK 4.0** p. 587 34W 230Vac - CRI 98 COB LED Xicato Xtm Artist Series® (2-step MacAdam)
	
ZAB TRACK 2.1 p. 585 29W 230Vac - CRI 94 COB LED Citizen (3-step MacAdam)	**ZAB TRACK 4.1** p. 587 36W 230Vac - CRI 94 COB LED Citizen (3-step MacAdam)

< **ZAB TRACK 2.0**
customized version with 3500K LED colour, 23W, white

Project by / Studio ARCHH
Photo by / Alessio Tamborini
The Coeclerici Gallery, Galata Maritime Museum, Genoa, Italy



RAL FINISH
ON REQUEST

HIGH VISUAL COMFORT: SOFT
START AND FLICKER FREE

R9

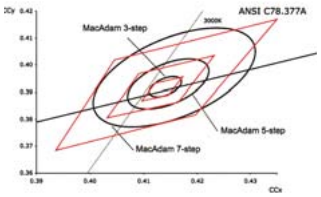
ZAB TRACK 1.0 / 2.0 / 3.0 / 4.0
XICATO XTM ARTIST SERIES® LED
HIGH CRI 98 WITH R9 >98
IES TM-30 COLOUR FIDELITY (Rf) 96,
COLOUR GAMUT (Rg) 103

ZAB TRACK

UNIQUE SELLING POINTS



BODY IN ANODIZED
ALUMINIUM PRODUCED
ENTIRELY ON A CNC LATHE



ZAB TRACK 1.0 / 2.0 / 3.0 / 4.0
REMOTE PHOSPHOR TECHNOLOGY
2-STEP MACADAM: GUARANTEE
OF COLOUR BRIGHTNESS
CONSISTENCY OVER TIME

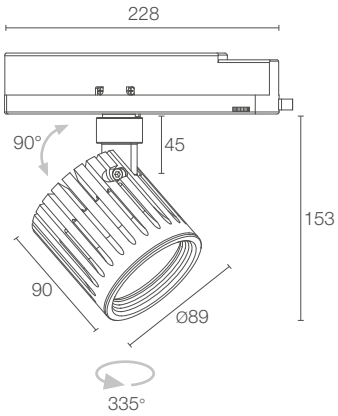


ZAB TRACK 2 / 4
ZOOM LENS SUITABLE FOR SHOWROOMS
AND SHOPS TO LIGHT WORKS AND
OBJECTS WHOSE SHAPES
AND SIZES FREQUENTLY CHANGE

ZAB TRACK 1



ZAB TRACK 1.0

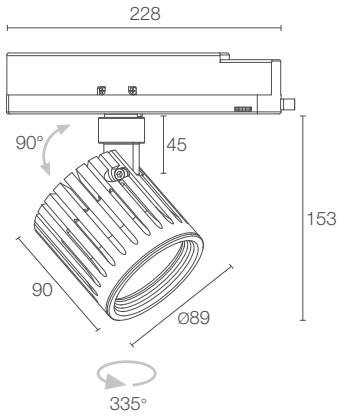


kg 0.90 IP40

A A+ A++

POWER / POWER SUPPLY **CODE**	23W 230Vac 1 COB LED Xicato Xtm Artist Series® **ZT10101 B** White **ZT10101 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 20° **M** - 32° **L** - 46°
LUMEN OUTPUT AT SOURCE	1912 lm (3000K)
DELIVERED LUMEN OUTPUT	1366 lm (3000K, 32°)
NO. AND TYPE OF LED	1 COB LED Xicato Xtm Artist Series® 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium
POWER SUPPLY UNIT	built in
MOUNTING	on horizontal track
ACCESSORIES	see p. 588
FEATURES	**CRI 98**
PHOTOMETRIC DATA	see p. 838

ZAB TRACK 1.1



kg 0.90 IP40

A A+ A++

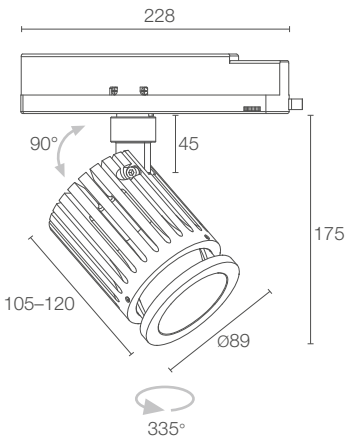
	29W 230Vac 1 COB LED Citizen **ZT11101 B** White **ZT11101 N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 14° **M** - 29°
	2645 lm (3000K)
	1750 lm (3000K, 29°)
	1 COB LED Citizen 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium
	built in
	on horizontal track
	see p. 588
	CRI 94
	see p. 838

ZAB TRACK 2



ZAB TRACK 2.0

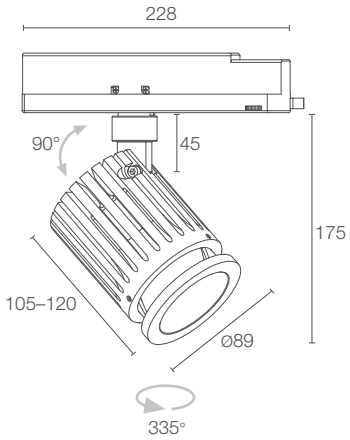




CE LED TECH kg 1.00 IP40
A A+ A++

POWER / POWER SUPPLY CODE	23W 230Vac 1 COB LED Xicato Xtm Artist Series® **ZT20101 R1 B** White **ZT20101 R1 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	optical range 26°–51°
LUMEN OUTPUT AT SOURCE	1912 lm (3000K)
DELIVERED LUMEN OUTPUT	1302 lm (3000K, 51°)
NO. AND TYPE OF LED	1 COB LED Xicato Xtm Artist Series® 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in transparent glass
POWER SUPPLY UNIT	built in
MOUNTING	on horizontal track
TRACK ACCESSORIES	see p. 870
FEATURES	**CRI 98**
PHOTOMETRIC DATA	see p. 838

ZAB TRACK 2.1



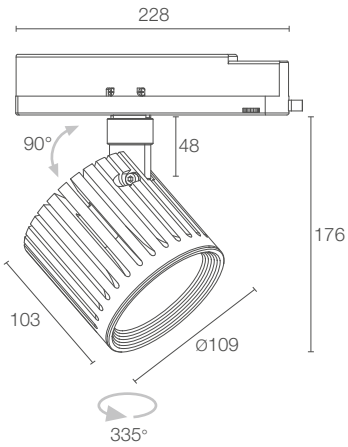
CE LED TECH kg 1.00 IP40
A A+ A++

	29W 230Vac 1 COB LED Citizen **ZT21101 R1 B** White **ZT21101 R1 N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	optical range 20°–42°
	2645 lm (3000K)
	1832 lm (3000K, 42°)
	1 COB LED Citizen 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent glass
	built in
	on horizontal track
	see p. 870
	CRI 94
	see p. 838

ZAB TRACK 3



ZAB TRACK 3.0

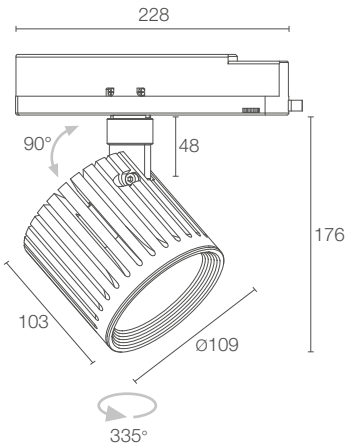


kg 1.25 IP40

A A+ A++

POWER / POWER SUPPLY CODE	34W 230Vac 1 COB LED Xicato Xtm Artist Series® **ZT30101 B** White **ZT30101 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 18° **M** - 25° **L** - 42°
LUMEN OUTPUT AT SOURCE	2505 lm (3000K)
DELIVERED LUMEN OUTPUT	1785 lm (3000K, 25°)
NO. AND TYPE OF LED	1 COB LED Xicato Xtm Artist Series® 2-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium
POWER SUPPLY UNIT	built in
MOUNTING	on horizontal track
ACCESSORIES	see p. 588
FEATURES	**CRI 98**
PHOTOMETRIC DATA	see p. 839

ZAB TRACK 3.1



kg 1.25 IP40

A A+ A++

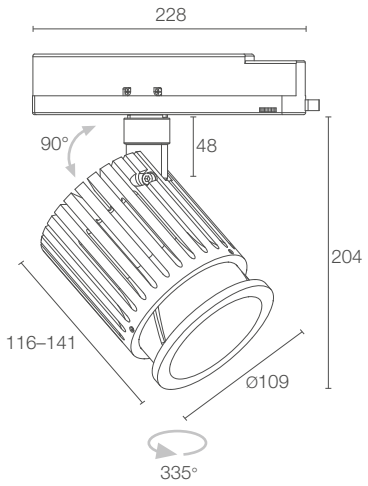
	36W 230Vac 1 COB LED Citizen **ZT31101 B** White **ZT31101 N** Black
	F - 2700K **5** - 3000K **9** - 4000K
	S - 16° **M** - 32°
	3377 lm (3000K)
	1882 lm (3000K, 32°)
	1 COB LED Citizen 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium
	built in
	on horizontal track
	see p. 588
	CRI 94
	see p. 839

ZAB TRACK 4



ZAB TRACK 4.0

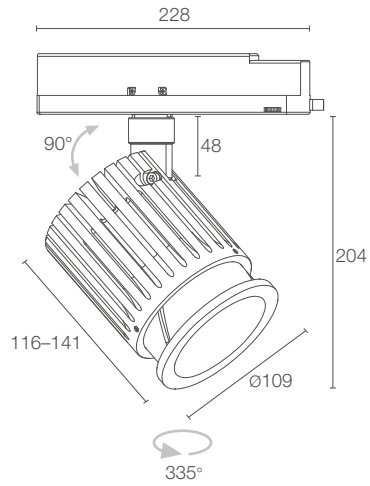




kg 1.45 IP40

A A+ A++

ZAB TRACK 4.1



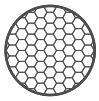
kg 1.45 IP40

A A+ A++

POWER / POWER SUPPLY CODE	34W 230Vac 1 COB LED Xicato Xtm Artist Series® **ZT40101 R1 B** White **ZT40101 R1 N** Black	36W 230Vac 1 COB LED Citizen **ZT41101 R1 B** White **ZT41101 R1 N** Black
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	optical range 19°–62°	optical range 26°–61°
LUMEN OUTPUT AT SOURCE	2505 lm (3000K)	3377 lm (3000K)
DELIVERED LUMEN OUTPUT	1733 lm (3000K, 62°)	2310 lm (3000K, 61°)
NO. AND TYPE OF LED	1 COB LED Xicato Xtm Artist Series® 2-step MacAdam, 50000h L90 B10 (Ta 25°C)	1 COB LED Citizen 3-step MacAdam, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in transparent glass	body in anodized aluminium screen in transparent glass
POWER SUPPLY UNIT	built in	built in
MOUNTING	on horizontal track	on horizontal track
TRACK ACCESSORIES	see p. 870	see p. 870
FEATURES	**CRI 98**	**CRI 94**
PHOTOMETRIC DATA	see p. 839	see p. 839

ZAB TRACK

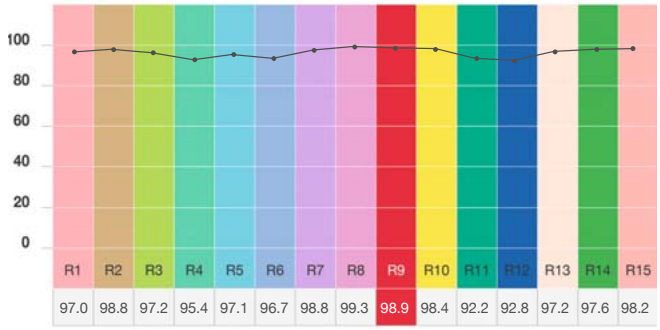
ACCESSORIES

	ZAB TRACK 1.0	ZAB TRACK 1.1	ZAB TRACK 3.0	ZAB TRACK 3.1
ANTI-GLARE ACCESSORIES				
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture	**WH0710**	**WH0710**	**WH0711**	**WH0711**
 Standard snoot	**WB0401B** White **WB0401N** Black Ø95x60 mm	**WB0401B** White **WB0401N** Black Ø95x60 mm	**WB0404B** White **WB0404N** Black Ø115x85 mm	**WB0404B** White **WB0404N** Black Ø115x85 mm
 Asymmetrical snoot	**WB0402B** White **WB0402N** Black Ø90x110 mm	**WB0402B** White **WB0402N** Black Ø90x110 mm	**WB0405B** White **WB0405N** Black Ø110x120 mm	**WB0405B** White **WB0405N** Black Ø110x120 mm
 Barn doors	**WB0403N** Black	**WB0403N** Black	**WB0406N** Black	**WB0406N** Black

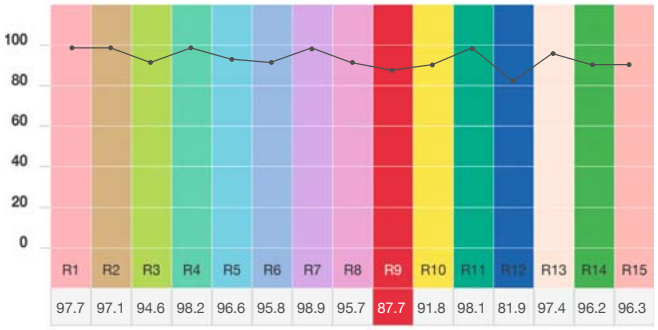
ACCESSORIES FOR INSTALLATION

For track accessories, see p. 870

Zab Track 1.0 / 2.0 / 3.0 / 4.0, LED Xicato Xtm Artist Series®
Colour Rendering Index

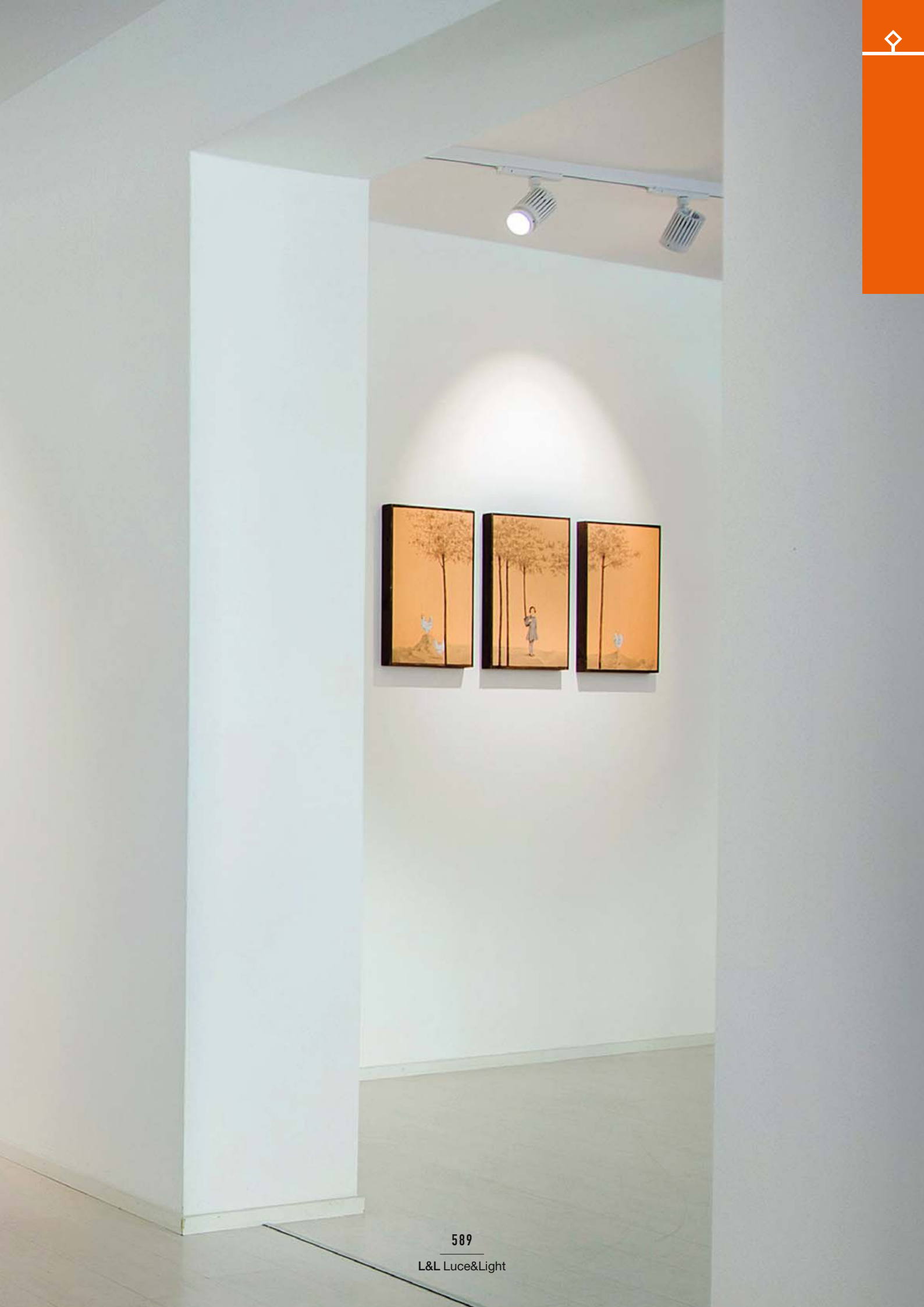


Zab Track 1.1 / 2.1 / 3.1 / 4.1, LED Citizen
Colour Rendering Index



ZAB TRACK 2.0 >
3000K, 23W, white

APART spaziocritico, Vicenza, Italy
Courtesy of / Sharon Di Carlo



SIRI TRACK

INDOOR PROJECTOR, INTERCHANGEABLE OPTICS FOR MUSEUMS AND RETAIL SETTINGS

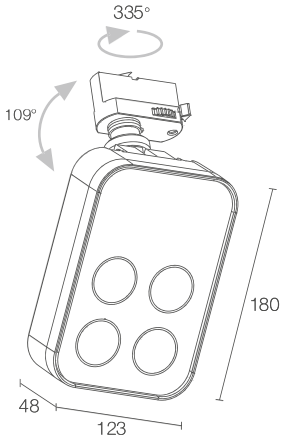




On-board
manual dimmer



SIRI TRACK 2.0

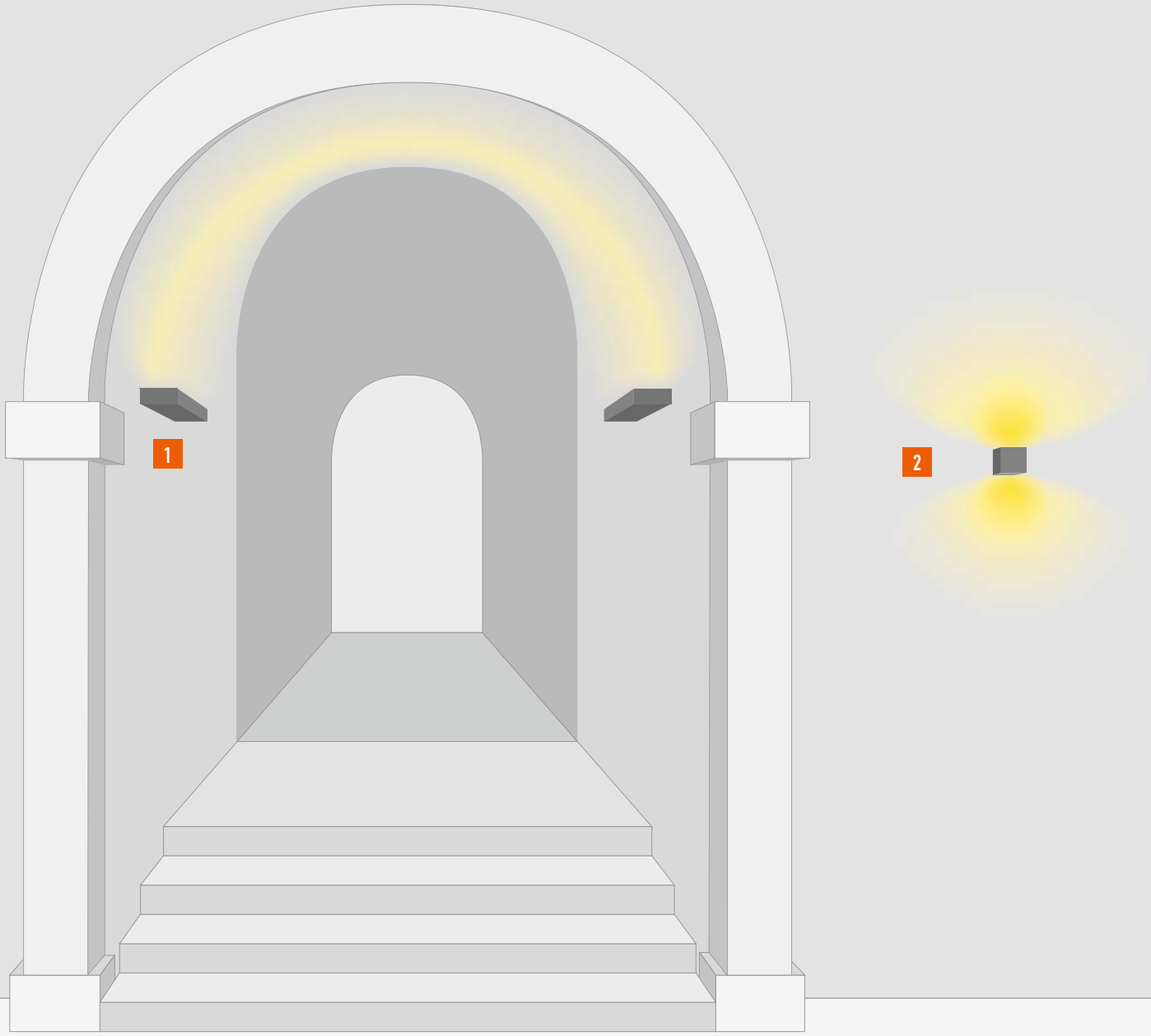


kg 1.60 IP40 IK06

A A+ A++

POWER / POWER SUPPLY CODE	16W 230Vac **SB2010 1 B** White **SB2010 1 N** Black
CRI	**0** - CRI 80 **1** - CRI >90
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	includes set of optical filters: 11°, 18°, 29°, 55°, 24°x55°
LUMEN OUTPUT AT SOURCE	1411 lm (3000K, CRI 80)
DELIVERED LUMEN OUTPUT	1010 lm (3000K, 29°, CRI 80)
NO. AND TYPE OF LED	4 power LEDs 1/4 ANSI BIN, 50000h L95 B10 (Ta 25°C)
MATERIAL	body in die-cast aluminium screen in serigraphed plexiglass
POWER SUPPLY UNIT	built in
MOUNTING	on horizontal track
TRACK ACCESSORIES	see p. 870
SPARE PARTS	see p. 866
FEATURES	on-board manual dimmer
PHOTOMETRIC DATA	see p. 812

< SIRI TRACK 2.0
Set of interchangeable
optical filters included

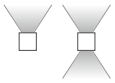


1 **ELLA IN** p. 594

2 **VERSA** p. 600

WALL MOUNTED

FOR INDOOR APPLICATIONS

			
		ELLA IN see p. 594	**VERSA** see p. 600
BEAM	DIFFUSE VERSION		
LIGHT COLOUR			
POWER SUPPLY		230Vac	230Vac
POWER SUPPLY UNIT		built in	built in
IP		IP40	IP40
APPLIANCE CLASS			



ELLA IN

INDOOR WALL MOUNTED
SINGLE BEAM, DIFFUSE LIGHT



diffuse

2700K 3000K 4000K

	INDOOR			OUTDOOR
WALL MOUNTED				
				
	**ELLA IN 1.0** p. 596 7W 230Vac 493 lm (3000K)	**ELLA IN 2.0** p. 597 13W 230Vac 985 lm (3000K)	**ELLA IN 3.0** p. 597 19W 230Vac 1478 lm (3000K)	**ELLA OUT** p. 278
CEILING MOUNTED	ELLO IN p. 620			ELLO OUT p. 306

< **ELLA IN 2.0**
3000K, 13W, white

ELLA IN

v
ELLA IN 1.0
without spacer

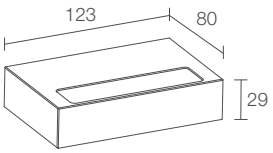




^
ELLA IN 1.0
with spacer (15° inclination)



ELLA IN 1.0



kg 0.40 IP40 IK08

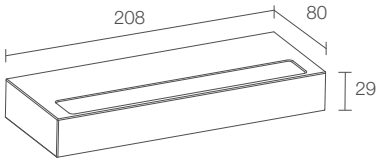
A A+ A++

POWER / POWER SUPPLY	7W 230Vac
CODE	**EA1010 D B N** White **EA1010 D C N** Chrome **EA1010 D 1 N** Pure orange **EA1010 D 2 N** Reseda green **EA1010 D 3 N** Capri blue **EA1010 D 4 N** Light ivory
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	954 lm (3000K)
DELIVERED LUMEN OUTPUT	493 lm (3000K)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed extra-clear microprismatic glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (wall)
ACCESSORIES	see p. 598
NOTES	outdoor version: Ella OUT 1.0 p. 280 ceiling-mounted version: Ello IN 1.0 p. 622
PHOTOMETRIC DATA	see p. 758





ELLA IN 2.0

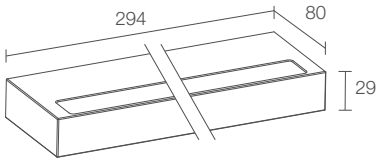


kg 0.80 IP40 IK08

A A+ A++

	13W 230Vac
	EA2010 D B N White
	EA2010 D C N Chrome
	EA2010 D 1 N Pure orange
	EA2010 D 2 N Reseda green
	EA2010 D 3 N Capri blue
	EA2010 D 4 N Light ivory
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1908 lm (3000K)
	985 lm (3000K)
	36 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	surface mounted (wall)
	see p. 598
	outdoor version: Ella OUT 2.0 p. 281 ceiling-mounted version: Ello IN 2.0 p. 623
	see p. 758

ELLA IN 3.0



kg 1.20 IP40 IK08

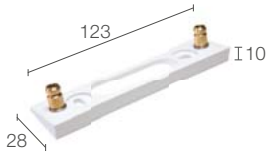
A A+ A++

	19W 230Vac
	EA3010 D B N White
	EA3010 D C N Chrome
	EA3010 D 1 N Pure orange
	EA3010 D 2 N Reseda green
	EA3010 D 3 N Capri blue
	EA3010 D 4 N Light ivory
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	2862 lm (3000K)
	1478 lm (3000K)
	54 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	surface mounted (wall)
	see p. 598
	outdoor version: Ella OUT 3.0 p. 281 ceiling-mounted version: Ello IN 3.0 p. 623
	see p. 758

ELLA IN

ACCESSORIES

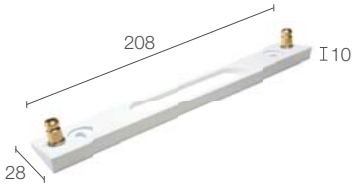
ACCESSORIES FOR INSTALLATION



WD0601B - White
WD0601C - Chrome
WD06011 - Pure orange
WD06012 - Reseda green
WD06013 - Capri blue
WD06014 - Light ivory

Spacer for 15° inclination
RAL finish available on request

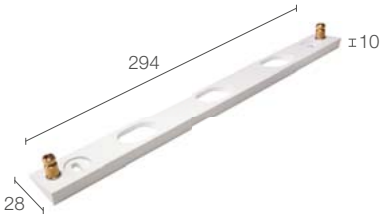
(Ella IN 1.0)



WD0602B - White
WD0602C - Chrome
WD06021 - Pure orange
WD06022 - Reseda green
WD06023 - Capri blue
WD06024 - Light ivory

Spacer for 15° inclination
RAL finish available on request

(Ella IN 2.0)



WD0603B - White
WD0603C - Chrome
WD06031 - Pure orange
WD06032 - Reseda green
WD06033 - Capri blue
WD06034 - Light ivory

Spacer for 15° inclination
RAL finish available on request

(Ella IN 3.0)

STANDARD FINISHES



White



Chrome



Pure orange



Reseda green



Capri blue



Light ivory

ELLA IN 3.0 >
3000K, 19W, white
ESEM MID 1.0
3000K, 3W, 22°, white, customized IP44 version

Project and light planning by / DVDV Studio Architetti
Photo by / Alessio Tamborini
Private residence, Milan, Italy



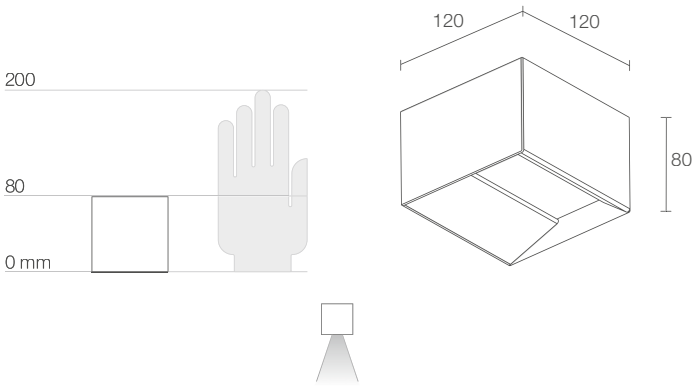
VERSA

INDOOR WALL MOUNTED, DIFFUSE LIGHT, SINGLE OR DOUBLE BEAM





VERSA 1.0

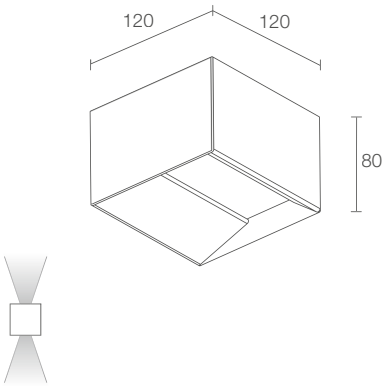


kg 0.40 IP40

A A+ A++

POWER / POWER SUPPLY **CODE**	9W 230Vac **VR1010** ■ **D B** White
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	745 lm (3000K)
DELIVERED LUMEN OUTPUT	530 lm (3000K)
NO. AND TYPE OF LED	mid-power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in steel screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	built in
POWER CABLES	terminal block
MOUNTING	surface mounted (wall)
DESIGN BY	arch. Enrico Novello
PHOTOMETRIC DATA	see p. 835

VERSA 2.0



kg 0.40 IP40

A A+ A++

	18W 230Vac **VR2010** ■ **D B** White
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	745 lm (3000K) down beam 901 lm (3000K) up beam
	530 lm (3000K) down beam 640 lm (3000K) up beam
	mid-power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in steel screen in one-side-frosted, transparent plexiglass
	built in
	terminal block
	surface mounted (wall)
	arch. Enrico Novello
	see p. 835

READING LAMPS

FOR INDOOR APPLICATIONS



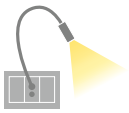
^
WALL 3
3000K, 2.5W, chrome, 400 mm

WALL

READING LAMPS
FOR HOSPITALITY AND PRIVATE HOMES



WALL MOUNTED



MOUNTED ON A SPARE GANG



MOUNTED ON A SHELF

ADJUSTABLE BEAM

3000K 5000K

adjustable



WALL 1 p. 604
2.5W 230Vac
3.5W 230Vac



WALL 3 p. 605
2.5W 230Vac
3.5W 230Vac

OPTICS VERSION

2700K 3000K 4000K 5000K

narrow medium wide



WALL 8.1 p. 607
2.5W 230Vac
3.5W 230Vac

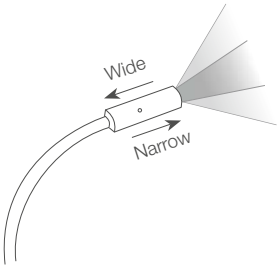


WALL 8.2 p. 607
2.5W 230Vac
3.5W 230Vac

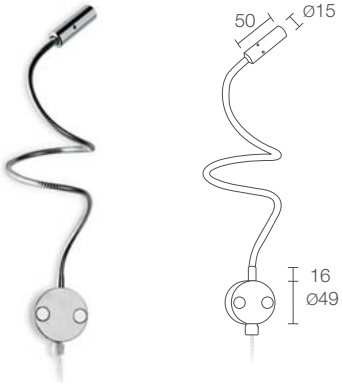


WALL 8.0 p. 606
max 2W max 500mA

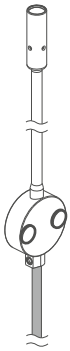
WALL 1



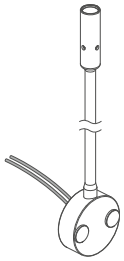
Adjustable beam



Flexible neck:
Ø6 mm - 400 mm
Ø8 mm - 400/500 mm



Standard version:
bottom cable entry



Available on request:
rear cable entry

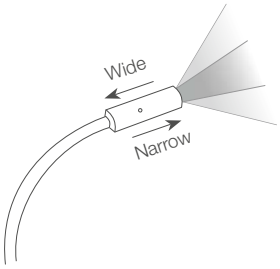
kg 0.30 400 mm Ø6 mm
kg 0.32 400 mm Ø8 mm
kg 0.33 500 mm Ø8 mm

IP20

A A+ A++

POWER / POWER SUPPLY CODE	2.5W 230Vac 400 mm Neck Ø6 mm **L11640 C** Chrome **L11640 D** Gold **L11640 S** Satin 3.5W 230Vac 400 mm Neck Ø6 mm **L12640 C** Chrome **L12640 D** Gold **L12640 S** Satin 2.5W 230Vac 400 mm Neck Ø8 mm **L11840 C** Chrome **L11840 D** Gold **L11840 S** Satin 3.5W 230Vac 400 mm Neck Ø8 mm **L12840 C** Chrome **L12840 D** Gold **L12840 S** Satin 2.5W 230Vac 500 mm Neck Ø8 mm **L11850 C** Chrome **L11850 D** Gold **L11850 S** Satin 3.5W 230Vac 500 mm Neck Ø8 mm **L12850 C** Chrome **L12850 D** Gold **L12850 S** Satin
LED COLOUR	**5** - 3000K **0** - 5000K
OPTICS	optical range 20°–55°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 3.5W)
DELIVERED LUMEN OUTPUT	61 lm (3000K, 3.5W)
NO. AND TYPE OF LEDS	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium, neck in brass
POWER SUPPLY UNIT	power supply unit built into plug with switch on cable
POWER CABLES	includes 1.5 m cable, with built-in plug and PSU
MOUNTING	surface mounted (wall)
NOTES	version with rear cable entry available on request
PHOTOMETRIC DATA	see p. 836

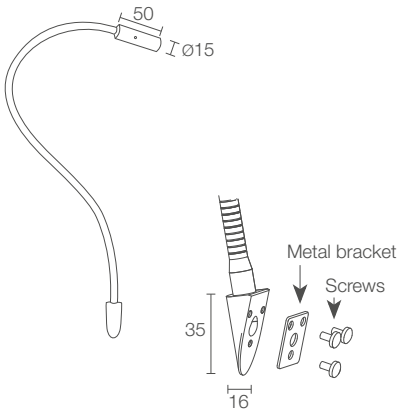
WALL 3



Adjustable beam



Flexible neck:
Ø8 mm - 400/500 mm



kg 0.19 400 mm
kg 0.29 500 mm
IP20

A A+ A++

POWER / POWER SUPPLY **CODE**	2.5W 230Vac 400 mm Neck Ø8 mm **PL11840 C** Chrome **PL11840 D** Gold **PL11840 S** Satin 3.5W 230Vac 400 mm Neck Ø8 mm **PL12840 C** Chrome **PL12840 D** Gold **PL12840 S** Satin 2.5W 230Vac 500 mm Neck Ø8 mm **PL11850 C** Chrome **PL11850 D** Gold **PL11850 S** Satin 3.5W 230Vac 500 mm Neck Ø8 mm **PL12850 C** Chrome **PL12850 D** Gold **PL12850 S** Satin
LED COLOUR	**5** - 3000K **0** - 5000K
OPTICS	optical range 20°–55°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 3.5W)
DELIVERED LUMEN OUTPUT	61 lm (3000K, 3.5W)
NO. AND TYPE OF LEDS	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium, neck in brass
POWER SUPPLY UNIT	included
POWER CABLES	includes 0.30 m two-core cable
MOUNTING	on a spare gang
PHOTOMETRIC DATA	see p. 836

WALL 8



WALL 8.0



Flexible neck:
Ø8 mm - 400 mm

kg 0.16 IP40

A A+ A++

v
WALL 1
3000K, 2.5W, satin, customized version
with rear cable entry

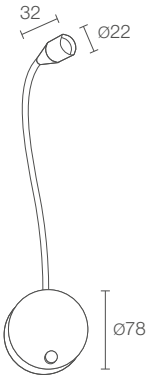
Private collection, Milan, Italy
Courtesy of / Susanna Roda



POWER / POWER SUPPLY	max 2W max 500mA 400 mm
CODE	**PL801240 C** Chrome **PL801240 S** Satin
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
OPTICS	**S** - 10° **M** - 25° **L** - 40°
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	103 lm (3000K, 500mA, 25°)
NO. AND TYPE OF LEDS	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in aluminium, neck in brass
POWER SUPPLY UNIT	not included, see p. 608 and 844
POWER CABLES	includes 0.50 m PVC cable FROR 2x0.35 Ø3.5 mm
WIRING	series
MOUNTING	surface mounted (shelf max 30 mm)
ACCESSORIES	see p. 608
PHOTOMETRIC DATA	see p. 836



WALL 8.1



Flexible neck:
Ø8 mm - 400 mm

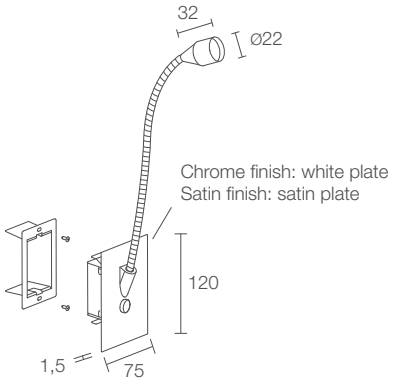
CE LED TECH kg 0.34 IP20

A A+ A++

	2.5W 230Vac 400 mm **PL811140** **C** Chrome **PL811140** **S** Satin 3.5W 230Vac 400 mm **PL811240** **C** Chrome **PL811240** **S** Satin
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 10° **M** - 25° **L** - 40°
	145 lm (3000K, 3.5W)
	103 lm (3000K, 25°, 3.5W)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in aluminium, neck in brass base in steel
	built in with switch on base of neck
	none
	mains voltage
	surface mounted (wall)
	none
	see p. 836



WALL 8.2



Flexible neck:
Ø8 mm - 400 mm

CE LED TECH kg 0.37 IP40

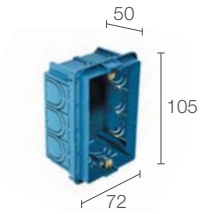
A A+ A++

	2.5W 230Vac 400 mm **PL821140** **C** Chrome **PL821140** **S** Satin 3.5W 230Vac 400 mm **PL821240** **C** Chrome **PL821240** **S** Satin
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K
	S - 10° **M** - 25° **L** - 40°
	145 lm (3000K, 3.5W)
	103 lm (3000K, 25°, 3.5W)
	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
	body in aluminium, neck in brass plate in steel
	built in with switch on base of neck
	includes 0.30 m two-core cable
	mains voltage
	surface mounted (wall)
	see p. 608
	see p. 836

WALL

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0301
Optional outer casing
(Wall 8.2)

POWER CABLES

PVC cable
FROR 2x0.35 Ø3.5 mm
your choice of length
WF0110
(Wall 8.0)

order together with the lighting fixture

POWER SUPPLY UNITS Wall 8.0

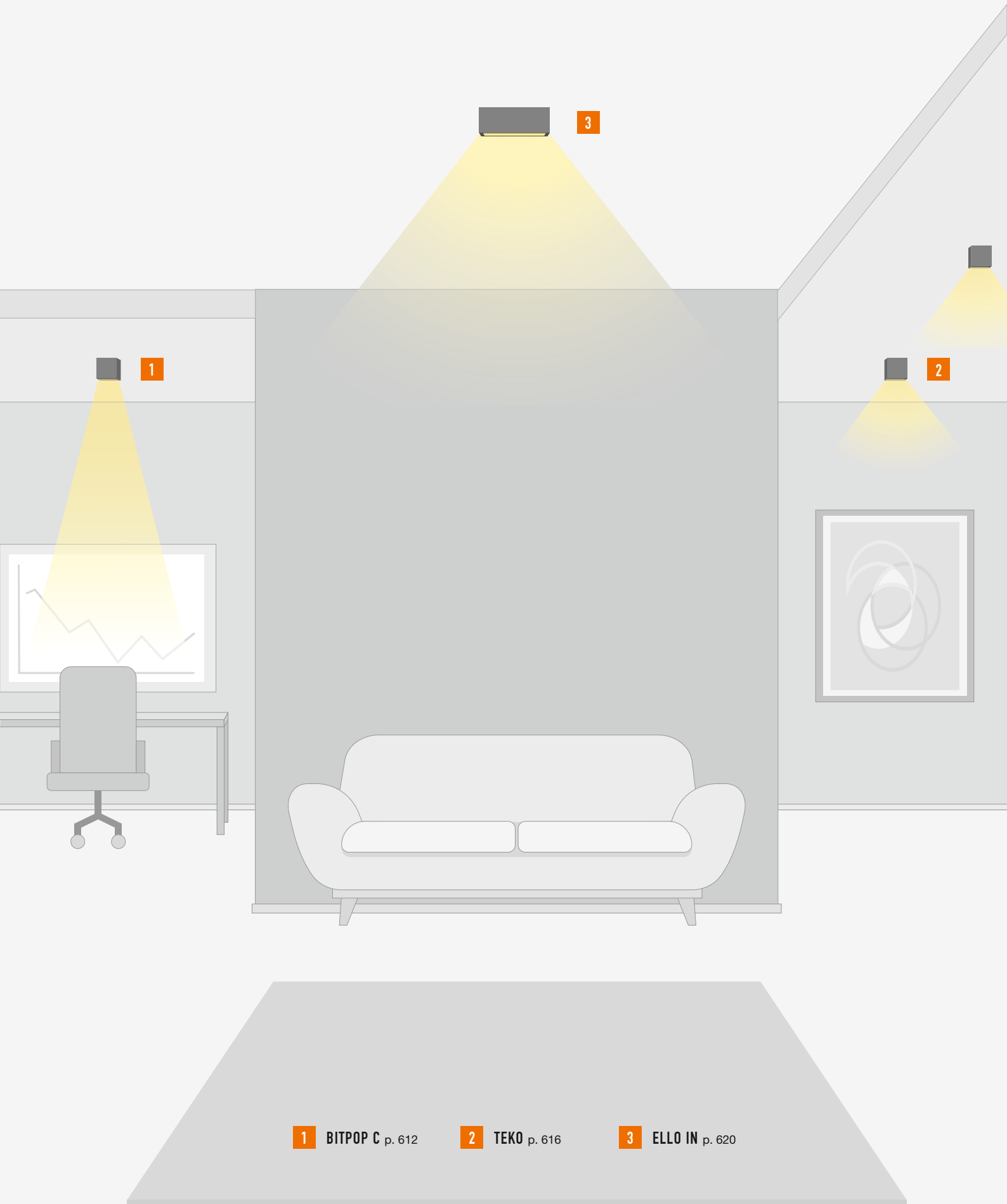
350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500VL	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850





1 BITPOP C p. 612 2 TEKO p. 616 3 ELLO IN p. 620

CEILING MOUNTED

FOR INDOOR APPLICATIONS





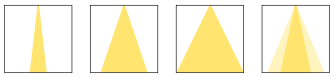


		BITPOP C see p. 612	TEKO see p. 616	ELLO IN see p. 620
BEAM	DIFFUSE VERSION		•	•
	OPTICS VERSION	•		
LIGHT COLOUR		2700K 3000K 4000K	2700K 3000K 4000K	2700K 3000K 4000K
SHAPE		▭ ▭	◯ ▭	▭
POWER SUPPLY	CONSTANT VOLTAGE power supply unit not included	24Vdc		
	MAINS VOLTAGE built-in power supply unit	230Vac	230Vac	230Vac
IP		IP40	IP40	IP40
APPLIANCE CLASS		⏚ III	⏚	⏚
UNIQUE SELLING POINTS		UGR < 10 for 17° and 30° optics		



BITPOP C

INDOOR CEILING MOUNTED
FOR OFFICES AND WORK SPACES



2700K 3000K 4000K

1 OPTICS





BITPOP C 1.0 p. 614
6.5W 24Vdc
ON/OFF

4 OPTICS IN A SQUARE





BITPOP C 2.2 p. 615
18W 230Vac
DALI, 1-10V, ON/OFF

4 OPTICS IN A LINE





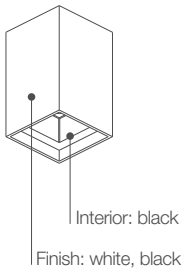
BITPOP C 4.1 p. 615
18W 230Vac
DALI, 1-10V, ON/OFF

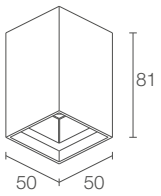
< BITPOP C 2.2
4000K, 18W, 30°, white

BITPOP C



BITPOP C 1.0





kg 0.30 IP40

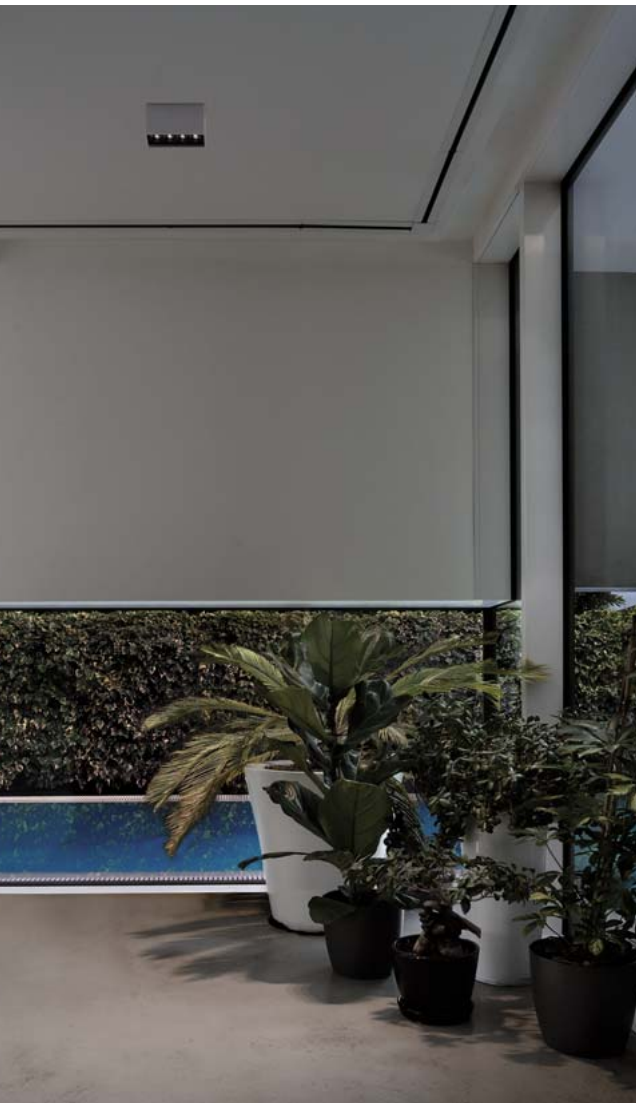
A A+ A++

POWER / POWER SUPPLY	6.5W 24Vdc
CODE	**BC1000 B 0** White - Black **BC1000 N 0** Black - Black
LED COLOUR	**1F** - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
OPTICS	**S** - 17° **F** - 30° **L** - 42° **W**- 17°x45°
CONTROL SYSTEM	
LUMEN OUTPUT AT SOURCE	480 lm (3000K)
DELIVERED LUMEN OUTPUT	335 lm (3000K, 30°)
NO. AND TYPE OF LED	1 high-intensity power LED 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
MATERIAL	body in aluminium trim in steel
POWER SUPPLY UNIT	not included

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847

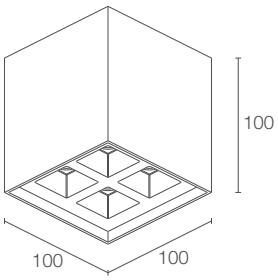
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
MOUNTING	surface mounted (ceiling)
FEATURES	UGR < 10 for the 17° and 30° optics
NOTES	recessed version: Bitpop 1.0, p. 474
PHOTOMETRIC DATA	see p. 728

v
BITPOP C 4.1
3000K, 18W, 42°, white





BITPOP C 2.2



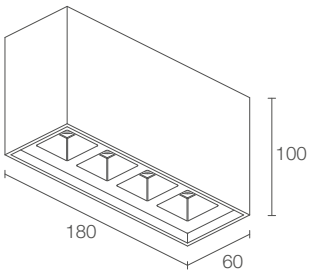
CE LED TECH kg 0.70 IP40

A A+ A++

	18W 230Vac **BC2210** **B** White - Black **BC2210** **N** Black - Black
	1F - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
	S - 17° **F** - 30° **L** - 42° **W**- 17°x45°
	0 - on/off **R** - 1-10V + PUSH **D** - DALI
	1400 lm (3000K)
	992 lm (3000K, 30°)
	4 high-intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in aluminium trim in steel
	included and wired
	includes 0.30 m cable
	surface mounted (ceiling)
	UGR < 10 for the 17° and 30° optics
	recessed version: Bitpop 2.2, p. 475
	see p. 728



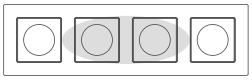
BITPOP C 4.1



CE LED TECH kg 0.70 IP40

A A+ A++

	18W 230Vac **BC4110** **B** White - Black **BC4110** **N** Black - Black
	1F - 2700K CRI >90 **15** - 3000K CRI >90 **09** - 4000K CRI 80
	S - 17° **F** - 30° **L** - 42° **W**- 17°x45°
	0 - on/off **R** - 1-10V **D** - DALI + PUSH
	1400 lm (3000K)
	992 lm (3000K, 30°)
	4 high-intensity power LEDs 3-step MacAdam, 50000h L85 B10 (Ta 25°C)
	body in aluminium trim in steel
	included and wired
	includes 0.30 m cable
	surface mounted (ceiling)
	UGR < 10 for the 17° and 30° optics
	recessed version: Bitpop 4.1, p. 476
	see p. 728



17°x45° optics



TEKO

INDOOR CEILING MOUNTED WITH DIFFUSE LIGHT

diffuse

2700K 3000K 4000K

SQUARE

80x80 mm



TEKO 5.0 p. 618
5W 230Vac
9W 230Vac

100x100 mm



TEKO 7.0 p. 619
9W 230Vac
17W 230Vac

ROUND

Ø80 mm



TEKO 5.1 p. 618
5W 230Vac
9W 230Vac

Ø100 mm



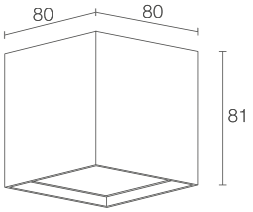
TEKO 7.1 p. 619
9W 230Vac

< TEKO 7.0
3000K, 9W, white

TEKO



TEKO 5.0

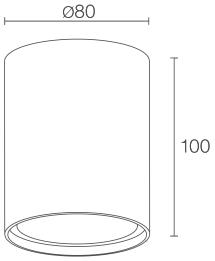


kg 0.53 IP40

POWER / POWER SUPPLY CODE	5W 230Vac **TK5010 D B** White 9W 230Vac **TK5011 D B** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	460 lm (3000K, 5W) 826 lm (3000K, 9W)
DELIVERED LUMEN OUTPUT	330 lm (3000K, 5W) 590 lm (3000K, 9W)
NO. AND TYPE OF LED	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	built in
POWER CABLES	terminal block
MOUNTING	surface mounted (ceiling)
PHOTOMETRIC DATA	see p. 829



TEKO 5.1

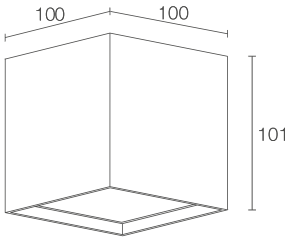


kg 0.56 IP40

	5W 230Vac **TK5110 D B** White 9W 230Vac **TK5111 D B** White
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	534 lm (3000K, 5W) 958 lm (3000K, 9W)
	382 lm (3000K, 5W) 684 lm (3000K, 9W)
	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in anodized aluminium screen in one-side-frosted, transparent plexiglass
	built in
	terminal block
	surface mounted (ceiling)
	see p. 829



TEKO 7.0

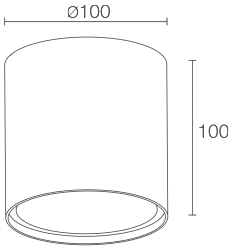


kg 0.60 IP40

POWER / POWER SUPPLY CODE	9W 230Vac **TK7010 D B** White 17W 230Vac **TK7011 D B** White
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	826 lm (3000K, 9W) 1565 lm (3000K, 17W)
DELIVERED LUMEN OUTPUT	590 lm (3000K, 9W) 1119 lm (3000K, 17W)
NO. AND TYPE OF LED	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in one-side-frosted, transparent plexiglass
POWER SUPPLY UNIT	built in
POWER CABLES	terminal block
MOUNTING	surface mounted (ceiling)
PHOTOMETRIC DATA	see p. 829



TEKO 7.1



kg 0.76 IP40

	9W 230Vac **TK7110 D B** White
	F - 2700K **5** - 3000K **9** - 4000K
	diffuse
	958 lm (3000K)
	684 lm (3000K)
	power LED matrix 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in anodized aluminium screen in one-side-frosted, transparent plexiglass
	built in
	terminal block
	surface mounted (ceiling)
	see p. 829





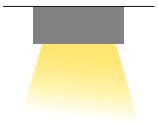
ELLO IN

INDOOR CEILING MOUNTED WITH DIFFUSE LIGHT



diffuse

2700K 3000K 4000K

	INDOOR			OUTDOOR
CEILING MOUNTED	 **ELLO IN 1.0** p. 622 7W 230Vac 493 lm (3000K)	 **ELLO IN 2.0** p. 623 13W 230Vac 985 lm (3000K)	 **ELLO IN 3.0** p. 623 19W 230Vac 1478 lm (3000K)	**ELLO OUT** p. 306
				
WALL MOUNTED	ELLA IN p. 594			ELLA OUT p. 278

< **ELLO IN 3.0**
3000K, 19W
chrome, pure orange, reseda green

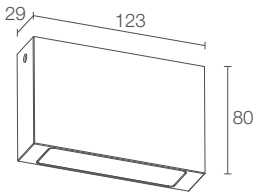
ELLO IN

v
ELLO IN 2.0
3000K, 13W, white





ELLO IN 1.0



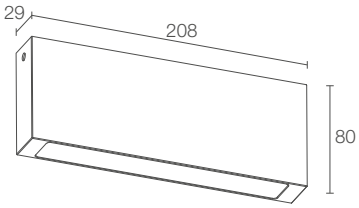
kg 0.40 IP40 IK08

A A+ A++

POWER / POWER SUPPLY	7W 230Vac
CODE	**EP1010 D B N** White **EP1010 D C N** Chrome **EP1010 D 1 N** Pure orange **EP1010 D 2 N** Reseda green **EP1010 D 3 N** Capri blue **EP1010 D 4 N** Light ivory
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	954 lm (3000K)
DELIVERED LUMEN OUTPUT	493 lm (3000K)
NO. AND TYPE OF LED	18 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
MATERIAL	body in aluminium screen in serigraphed extra-clear microprismatic glass
POWER SUPPLY UNIT	built in
MOUNTING	surface mounted (ceiling)
ACCESSORIES	see p. 624
NOTES	outdoor version: Ello OUT 1.0, p. 308 wall-mounted version: Ella IN 1.0, p. 596
PHOTOMETRIC DATA	see p. 759



ELLO IN 2.0



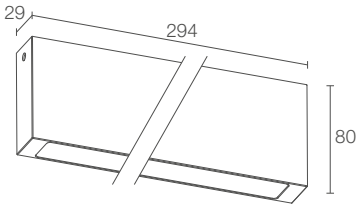
kg 0.80 IP40 IK08

A A+ A++

	13W 230Vac **EP2010 D B N** White **EP2010 D C N** Chrome **EP2010 D 1 N** Pure orange **EP2010 D 2 N** Reseda green **EP2010 D 3 N** Capri blue **EP2010 D 4 N** Light ivory
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	1908 lm (3000K)
	985 lm (3000K)
	36 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	surface mounted (ceiling)
	see p. 624
	outdoor version: Ello OUT 2.0, p. 309 wall-mounted version: Ella IN 2.0, p. 597
	see p. 759



ELLO IN 3.0



kg 1.20 IP40 IK08

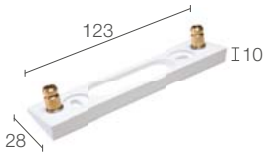
A A+ A++

	19W 230Vac **EP3010 D B N** White **EP3010 D C N** Chrome **EP3010 D 1 N** Pure orange **EP3010 D 2 N** Reseda green **EP3010 D 3 N** Capri blue **EP3010 D 4 N** Light ivory
■	**F** - 2700K **5** - 3000K **9** - 4000K
	diffuse
	2862 lm (3000K)
	1478 lm (3000K)
	54 mid-power LEDs 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in aluminium screen in serigraphed extra-clear microprismatic glass
	built in
	surface mounted (ceiling)
	see p. 624
	outdoor version: Ello OUT 3.0, p. 309 wall-mounted version: Ella IN 3.0, p. 597
	see p. 759

ELLO IN

ACCESSORIES

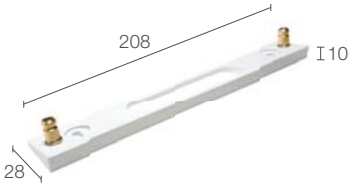
ACCESSORIES FOR INSTALLATION



WD0601B - White
WD0601C - Chrome
WD06011 - Pure orange
WD06012 - Reseda green
WD06013 - Capri blue
WD06014 - Light ivory

Spacer for 15° inclination
RAL finish available on request

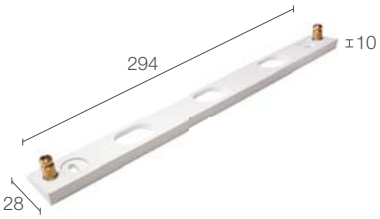
(Ello IN 1.0)



WD0602B - White
WD0602C - Chrome
WD06021 - Pure orange
WD06022 - Reseda green
WD06023 - Capri blue
WD06024 - Light ivory

Spacer for 15° inclination
RAL finish available on request

(Ello IN 2.0)



WD0603B - White
WD0603C - Chrome
WD06031 - Pure orange
WD06032 - Reseda green
WD06033 - Capri blue
WD06034 - Light ivory

Spacer for 15° inclination
RAL finish available on request

(Ello IN 3.0)

ELLO IN 1.0
with spacer (15° inclination)



STANDARD FINISHES



White



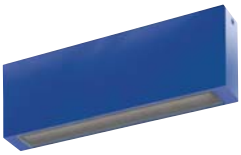
Chrome



Pure orange



Reseda green



Capri blue



Light ivory

ELLO IN 3.0 >
3000K, 19W, white

Private residence, Milan, Italy



SUSPENDED

FOR INDOOR APPLICATIONS



^
KORA 1.0
3000K, 3.5W, black

KORA

INDOOR SUSPENDED
LIGHTING FOR HOSPITALITY AND PRIVATE HOMES

2700K 3000K 4000K



KORA 1.0 p. 628
3.5W 230Vac



narrow medium



KORA 2.0 p. 629
6W 230Vac



narrow medium wide



KORA 3.0 p. 629
21W 230Vac



narrow medium wide

KORA



KORA 1.0



v
KORA 3.0
3000K, 21W, 38°, white

Interior design by / Cristian Turra
Photo by / Alessio Tamborini
Private residence, Brescia, Italy

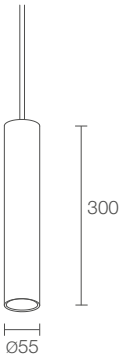


CE LED TECH kg 0.68 IP40
A A+ A++

POWER / POWER SUPPLY	3.5W 230Vac
CODE	**KR101010 B** White **KR101010 C** Chrome **KR101010 N** Black **KR101010 1** Pure orange **KR101010 2** Reseda green **KR101010 3** Capri blue **KR101010 4** Light ivory
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**S** - 18° **M** - 35°
LUMEN OUTPUT AT SOURCE	184 lm (3000K)
DELIVERED LUMEN OUTPUT	120 lm (3000K, 35°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN, 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anticorodal aluminium, ceiling rose in steel
POWER SUPPLY UNIT	built in
POWER CABLES	includes 2.50 m PVC cable FROR 2x0.75 Ø5.4 mm
MOUNTING	surface mounted (ceiling) with ceiling rose
NOTES	
DESIGN BY	Cibicworkshop
PHOTOMETRIC DATA	see p. 776



KORA 2.0



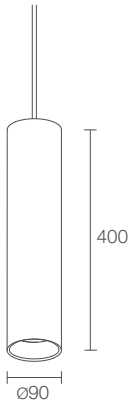
kg 0.80 IP40

A A+ A++

	6W 230Vac
	KR2010 B White
	KR2010 C Chrome
	KR2010 N Black
	KR2010 1 Pure orange
	KR2010 2 Reseda green
	KR2010 3 Capri blue
	KR2010 4 Light ivory
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 17° **M** - 24° **L** - 58°
	460 lm (3000K)
	285 lm (3000K, 24°)
	1 multichip power LED 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in anticorodal aluminium, ceiling rose in steel screen in plexiglass
	built in
	includes 2.50 m PVC cable FROR 2x0.75 Ø5.4 mm
	surface mounted (ceiling) with ceiling rose
	DALI and 1-10V versions available on request
	Cibicworkshop
	see p. 776



KORA 3.0



kg 1.60 IP40

A A+ A++

	21W 230Vac
	KR3010 B White
	KR3010 C Chrome
	KR3010 N Black
	KR3010 1 Pure orange
	KR3010 2 Reseda green
	KR3010 3 Capri blue
	KR3010 4 Light ivory
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**S** - 23° **M** - 38° **L** - 65°
	1870 lm (3000K)
	1289 lm (3000K, 38°)
	1 multichip power LED 3-step MacAdam, 50000h L80 B10 (Ta 25°C)
	body in anticorodal aluminium, ceiling rose in steel screen in plexiglass
	built in
	includes 2.50 m PVC cable FROR 2x0.75 Ø5.4 mm
	surface mounted (ceiling) with ceiling rose
	DALI and 1-10V versions available on request
	Cibicworkshop
	see p. 776

KORA

FINISHES

STANDARD FINISHES


White


Chrome


Black


Pure orange


Reseda green


Capri blue


Light ivory

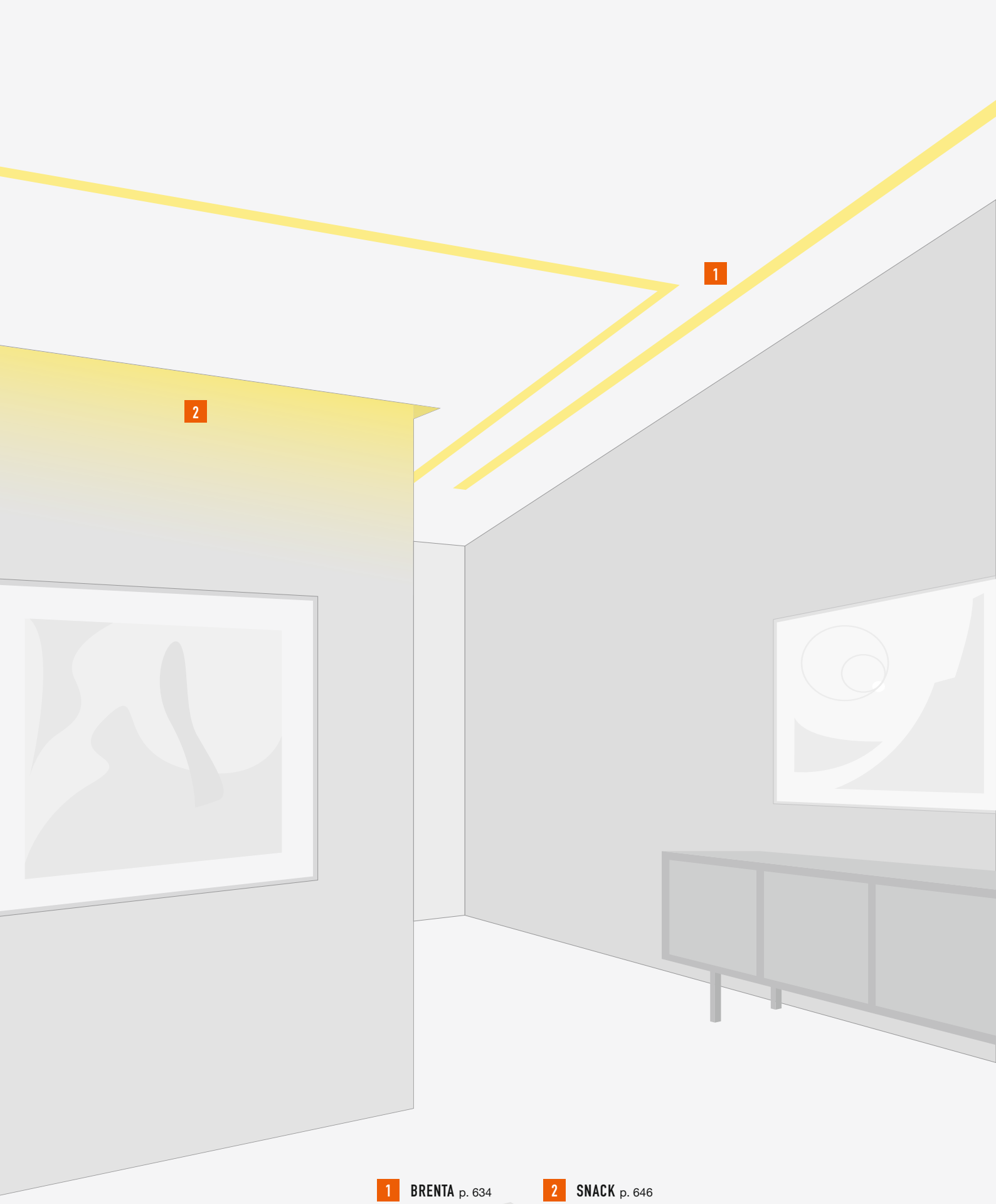
KORA 3.0 >
3000K, 65°, customized version with 18W power,
DALI, red RAL finish for body, red cable

Project by / Cibicworkshop
Light Planning by / Maurizio Corà
Photo by / Alberto Parise
Glam Hotel, Milan, Italy

v
KORA 2.0
3000K, 6W, 58°
black, pure orange, white







1 **BRENTA** p. 634

2 **SNACK** p. 646

LINEAR PROFILES

FOR INDOOR APPLICATIONS





		BRENTA see p. 634	SNACK see p. 646
MOUNTING	RECESSED CEILING / WALL	▪ ▪	
	SURFACE MOUNTED WITH BRACKETS		◠
BEAM	DIFFUSE VERSION	•	•
	OPTICS VERSION		•
LIGHT COLOUR		● ● ● 2700K 3000K 4000K	● ● ● ● 2700K 3000K 4000K RGB
POWER SUPPLY	CONSTANT VOLTAGE power supply unit not included		24Vdc
	MAINS VOLTAGE built-in power supply unit	230Vac	
IN/OUT CONNECTION		•	
CONTROL SYSTEM		DALI	
PITCH			60 / 120
IP		IP40	IP40
APPLIANCE CLASS		⏚	III
UNIQUE SELLING POINTS		CRI >90 custom version with bespoke lengths, and L-shaped versions	



BRENTA

INDOOR LINEAR PROFILES
FOR LINES OF CONTINUOUS LIGHT





2700K 3000K 4000K

	WIDTH 42 mm	WIDTH 70 mm
STANDARD LENGTHS 562 mm 842 mm 1122 mm 1682 mm 2242 mm 2802 mm	 **BRENTA 1** p. 638 19W/m 230Vac 27W/m 230Vac	 **BRENTA 2** p. 640 27W/m 230Vac 54W/m 230Vac
CUSTOM LENGTHS 5000 mm 10000 mm 15000 mm	 **BRENTA 1 CUSTOM** p. 642 19W/m 230Vac 27W/m 230Vac	 **BRENTA 2 CUSTOM** p. 642 27W/m 230Vac 54W/m 230Vac

< **BRENTA 1**
4000K, 19W/m, diffuse
flush installation

THANKS TO THE
OUTER CASING,
INSTALLATION
IS QUICK, WHILE
PRESERVING
THE INTEGRITY
OF THE CEILING



CRI >90

BRENTA
USES LIGHT SOURCES
WITH A HIGH COLOUR
RENDERING INDEX

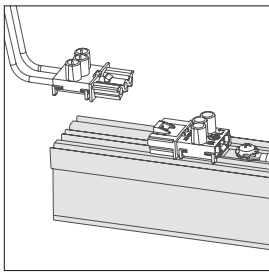
BRENTA 1 / 2
AVAILABLE IN 6 LENGTHS

BRENTA CUSTOM
AVAILABLE WITH SCREEN
OF UP TO 15 METERS,
L-SHAPED VERSIONS
AND BESPOKE LENGTHS

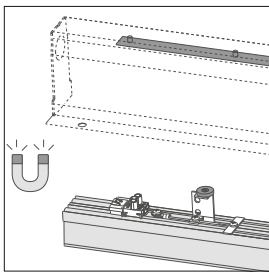
BRENTA

UNIQUE SELLING POINTS

THE IN/OUT CABLE CONNECTION MAKES WIRING MUCH EASIER

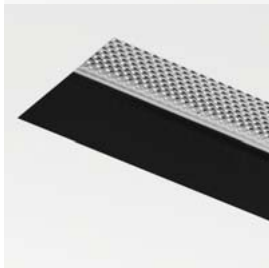


THE MAGNETIC FASTENER ELIMINATES THE NEED FOR SCREWS AND SIMPLIFIES INSTALLATION



USING THE DIFFERENT OUTER CASINGS, BRENTA CAN BE INSTALLED FLUSH WITH THE CEILING OR DEEP SET





HONEYCOMB LOUVRE ACCESSORY CAN BE FITTED ON BRENTA WITH DIFFUSE OPTICS AND DEEP-SET INSTALLATION



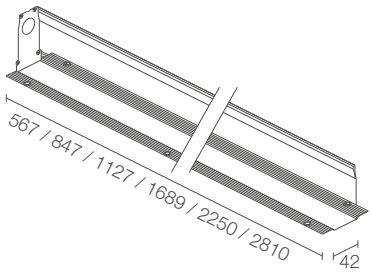
BRENTA 1

v
BRENTA 1
flush installation



^
BRENTA 1
deep-set installation

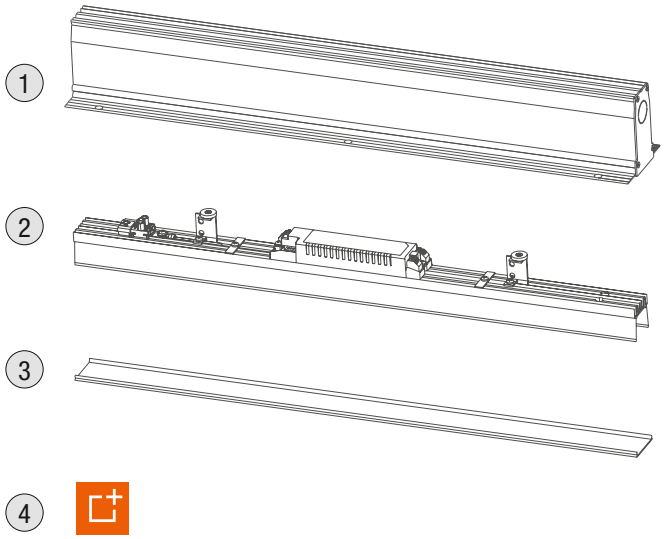




Required outer casing, not included
Required screen, not included

CE LED TECH flush kg/m 2.26 deep set kg/m 2.40 IP40 A A+ A++

POWER SUPPLY	230Vac	
POWER	**19W/m** 11W (562 mm) 16W (842 mm) 22W (1122 mm) 33W (1682 mm) 43W (2242 mm) 54W (2802 mm)	**27W/m** 15W (562 mm) 23W (842 mm) 30W (1122 mm) 46W (1682 mm) 61W (2242 mm) 76W (2802 mm)
LUMEN OUTPUT AT SOURCE	**19W/m, 3000K** 1780 lm/m	**27W/m, 3000K** 2500 lm/m
DELIVERED LUMEN OUTPUT	**19W/m, 3000K, diffuse optics** 1100 lm/m (flush installation) 750 lm/m (deep-set installation) **19W/m, 3000K, microprismatic optics** 1000 lm/m (flush installation) 800 lm/m (deep-set installation)	**27W/m, 3000K, diffuse optics** 1550 lm/m (flush installation) 1050 lm/m (deep-set installation) **27W/m, 3000K, microprismatic optics** 1400 lm/m (flush installation) 1100 lm/m (deep-set installation)
NO. AND TYPE OF LED	48 mid-power LEDs (562 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 72 mid-power LEDs (842 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 96 mid-power LEDs (1122 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 144 mid-power LEDs (1682 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 192 mid-power LEDs (2242 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 240 mid-power LEDs (2802 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	
MATERIAL	body in aluminium screen in opal polycarbonate (diffuse version) screen in microprismatic polycarbonate (microprismatic version)	
POWER SUPPLY UNIT	built in	
POWER CABLES	terminal block	
MOUNTING	recessed (ceiling, wall)	
FEATURES	CRI >90	
NOTES	Brenta Custom, see p. 642	
PHOTOMETRIC DATA	see p. 730	



1 OUTER CASING

WCBR11F - 567 mm
WCBR12F - 847 mm
WCBR13F - 1127 mm
WCBR15F - 1689 mm
WCBR17F - 2250 mm
WCBR19F - 2810 mm

Outer casing
for **flush installation**
h 80 mm

WCBR11A - 567 mm
WCBR12A - 847 mm
WCBR13A - 1127 mm
WCBR15A - 1689 mm
WCBR17A - 2250 mm
WCBR19A - 2810 mm

Outer casing for
deep-set installation – black
h 95 mm

WCBR190PF - flush installation
WCBR190PA - deep-set installation

Horizontal L-shaped
outer casing
588x620 mm

WCBR190SF - flush installation
WCBR190SA - deep-set installation

Vertical L-shaped
outer casing
644x644 mm

2 LIGHTING FIXTURE

CODE
DALI 27W/m
BR1 **111** **0BD**

ON/OFF
BR1 **1** **1** **0B0**

LENGTH
1 - 562 mm
2 - 842 mm
3 - 1122 mm
5 - 1682 mm
7 - 2242 mm
9 - 2802 mm

POWER
0 - 19W/m
1 - 27W/m

LED COLOUR
F - 2700K
5 - 3000K
9 - 4000K

3 SCREEN

WRBR11D - 563 mm
WRBR12D - 843 mm
WRBR13D - 1123 mm
WRBR15D - 1685 mm
WRBR17D - 2246 mm
WRBR19D - 2806 mm

Diffuse
optics

WRBR11P - 563 mm
WRBR12P - 843 mm
WRBR13P - 1123 mm
WRBR15P - 1685 mm
WRBR17P - 2246 mm
WRBR19P - 2806 mm

Microprismatic
optics

4 ACCESSORIES

WHBR1000
Honeycomb louvre
562 mm version:
4 pieces honeycomb louvre
842 mm version:
6 pieces honeycomb louvre
1122 mm version:
8 pieces honeycomb louvre
1682 mm version:
12 pieces honeycomb louvre
2242 mm version:
16 pieces honeycomb louvre
2802 mm version:
20 pieces honeycomb louvre
The honeycomb louvre can be fitted on diffuse optics and with outer casing for deep-set installation

WABR101A
Alignment kit for
outer casings

WF0321
Five-pin female connector

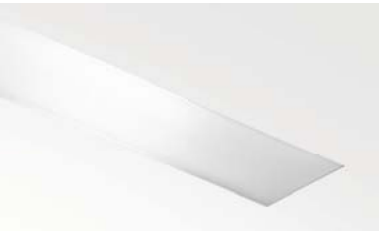
WUBR1000
Casing filler kit

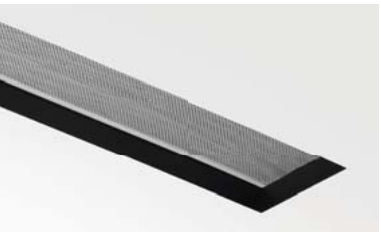
WNBR001A
Anti-fall kit for outer casings:
WCBR15F, WCBR15A
WCBR17F, WCBR17A
WCBR19F, WCBR19A

for spare parts, see p. 866

BRENTA 2

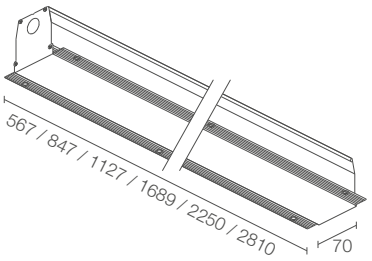
v
BRENTA 2
flush installation





^
BRENTA 2
deep-set installation

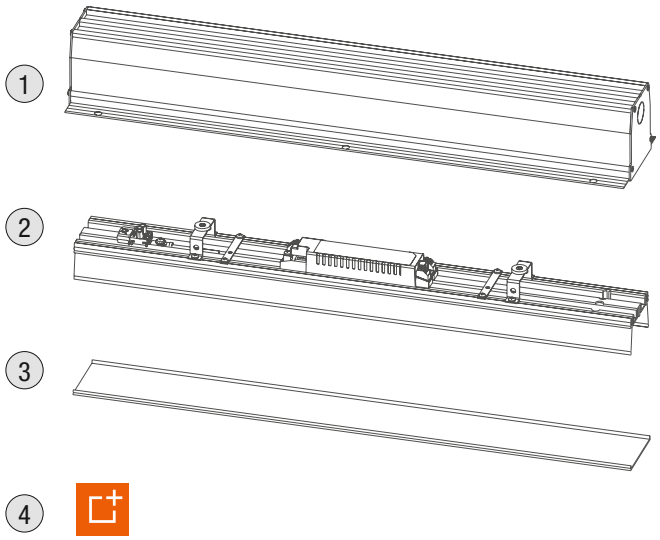




Required outer casing, not included
Required screen, not included

CE LED TECH flush kg/m 3.25 deep set kg/m 3.38 IP40 A A+ A++

POWER SUPPLY	230Vac	
POWER	**27W/m** 15W (562 mm) 23W (842 mm) 30W (1122 mm) 46W (1682 mm) 61W (2242 mm) 76W (2802 mm)	**54W/m** 30W (562 mm) 46W (842 mm) 61W (1122 mm) 91W (1682 mm) 122W (2242 mm) 153W (2802 mm)
LUMEN OUTPUT AT SOURCE	**27W/m, 3000K** 2500 lm/m	**54W/m, 3000K** 5000 lm/m
DELIVERED LUMEN OUTPUT	**27W/m, 3000K, diffuse optics** 1550 lm/m (flush installation) 1200 lm/m (deep-set installation) **27W/m, 3000K, microprismatic optics** 1500 lm/m (flush installation) 1350 lm/m (deep-set installation)	**54W/m, 3000K, diffuse optics** 3100 lm/m (flush installation) 2450 lm/m (deep-set installation) **54W/m, 3000K, microprismatic optics** 3000 lm/m (flush installation) 2700 lm/m (deep-set installation)
NO. AND TYPE OF LED	96 mid-power LEDs (562 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 144 mid-power LEDs (842 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 192 mid-power LEDs (1122 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 288 mid-power LEDs (1682 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 384 mid-power LEDs (2242 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C) 480 mid-power LEDs (2802 mm) 3-step MacAdam, 50000h L90 B10 (Ta 25°C)	
MATERIAL	body in aluminium screen in opal polycarbonate (diffuse version) screen in microprismatic polycarbonate (microprismatic version)	
POWER SUPPLY UNIT	built in	
POWER CABLES	terminal block	
MOUNTING	recessed (ceiling, wall)	
FEATURES	CRI >90	
NOTES	Brenta Custom, see p. 642	
PHOTOMETRIC DATA	see p. 730	



1 OUTER CASING

WCBR21F - 567 mm
WCBR22F - 847 mm
WCBR23F - 1127 mm
WCBR25F - 1689 mm
WCBR27F - 2250 mm
WCBR29F - 2810 mm

Outer casing
for **flush installation**
h 76 mm

WCBR21A - 567 mm
WCBR22A - 847 mm
WCBR23A - 1127 mm
WCBR25A - 1689 mm
WCBR27A - 2250 mm
WCBR29A - 2810 mm

Outer casing for
deep-set installation – black
h 91 mm

WCBR290PF - flush installation
WCBR290PA - deep-set installation

Horizontal L-shaped
outer casing
588x648 mm

WCBR290SF - flush installation
WCBR290SA - deep-set installation

Vertical L-shaped
outer casing
634x634 mm

2 LIGHTING FIXTURE

CODE
DALI 54W/m
BR2 **111** **0BD**

ON/OFF
BR2 **1** **1** **0B0**

LENGTH
1 - 562 mm
2 - 842 mm
3 - 1122 mm
5 - 1682 mm
7 - 2242 mm
9 - 2802 mm

POWER
0 - 27W/m
1 - 54W/m

LED COLOUR
F - 2700K
5 - 3000K
9 - 4000K

3 SCREEN

WRBR21D - 563 mm
WRBR22D - 843 mm
WRBR23D - 1123 mm
WRBR25D - 1685 mm
WRBR27D - 2246 mm
WRBR29D - 2806 mm

Diffuse
optics

WRBR21P - 563 mm
WRBR22P - 843 mm
WRBR23P - 1123 mm
WRBR25P - 1685 mm
WRBR27P - 2246 mm
WRBR29P - 2806 mm

Microprismatic
optics

4 ACCESSORIES

WHBR2000
Honeycomb louvre

562 mm version:
4 pieces honeycomb louvre

842 mm version:
6 pieces honeycomb louvre

1122 mm version:
8 pieces honeycomb louvre

1682 mm version:
12 pieces honeycomb louvre

2242 mm version:
16 pieces honeycomb louvre

2802 mm version:
20 pieces honeycomb louvre

The honeycomb louvre can be fitted on diffuse optics and with outer casing for deep-set installation

WABR201A
Alignment kit for
outer casings

WF0321
Five-pin female connector

WUBR2000
Casing filler kit

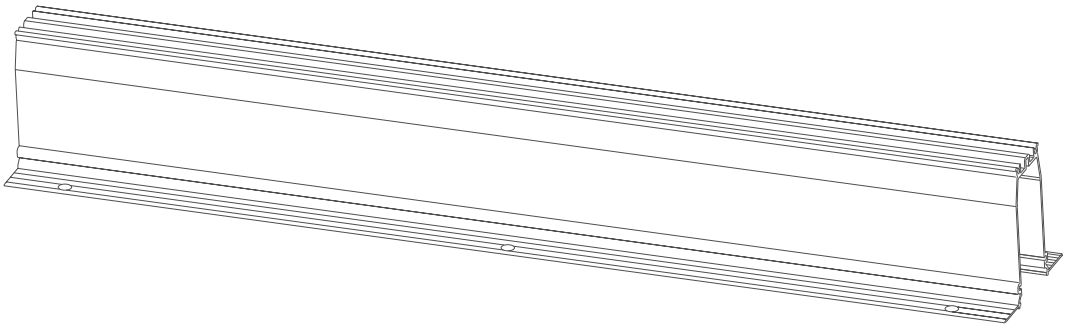
WNBR001A
Anti-fall kit for outer casings:
WCBR25F, WCBR25A
WCBR27F, WCBR27A
WCBR29F, WCBR29A

for spare parts, see p. 866

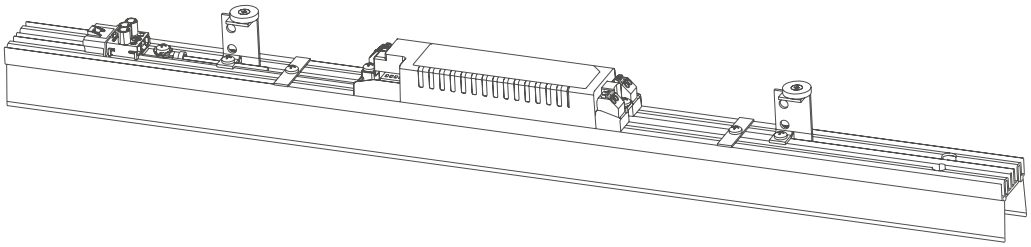
BRENTA CUSTOM

ASSEMBLE BRENTA IN THE LENGTH YOU WANT

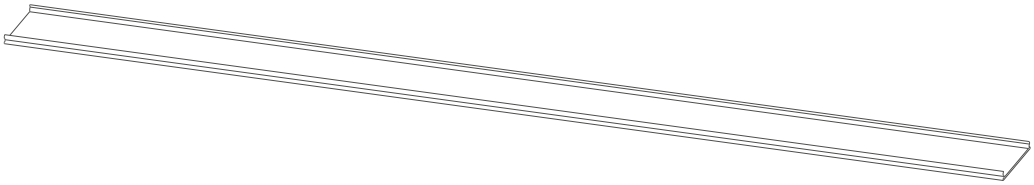
1



2



3



4 ACCESSORIES

BRENTA 1
3000K, 19W/m, diffuse optics
installation flush with ceiling



1 OUTER CASING

	BRENTA 1	BRENTA 2
Outer casing for **flush installation** see the standard outer casings on p. 639 and 641 to achieve the desired length, if necessary	**WCBR17FC** 2247 mm **WCBR19FC** 2807 mm h 80 mm	**WCBR27FC** 2247 mm **WCBR29FC** 2807 mm h 76 mm
Outer casing for **deep-set installation** – black see the standard outer casings on p. 639 and 641 to achieve the desired length, if necessary	**WCBR17AC** 2247 mm **WCBR19AC** 2807 mm h 95 mm	**WCBR27AC** 2247 mm **WCBR29AC** 2807 mm h 91 mm
Required outer casing, not included		

2 LIGHTING FIXTURE

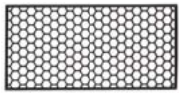
	BRENTA 1	BRENTA 2
	CODE DALI 27W/m **BR1 111 0BD** ON/OFF **BR1 1 1 0B0**	**CODE** DALI 54W/m **BR2 111 0BD** ON/OFF **BR2 1 1 0B0**
	LENGTH **1** - 562 mm **2** - 842 mm **3** - 1122 mm **5** - 1682 mm **7** - 2242 mm **9** - 2802 mm	**LENGTH** **1** - 562 mm **2** - 842 mm **3** - 1122 mm **5** - 1682 mm **7** - 2242 mm **9** - 2802 mm
	POWER **0** - 19W/m **1** - 27W/m	**POWER** **0** - 27W/m **1** - 54W/m
	LED COLOUR **F** - 2700K **5** - 3000K **9** - 4000K	**LED COLOUR** **F** - 2700K **5** - 3000K **9** - 4000K

3 SCREEN

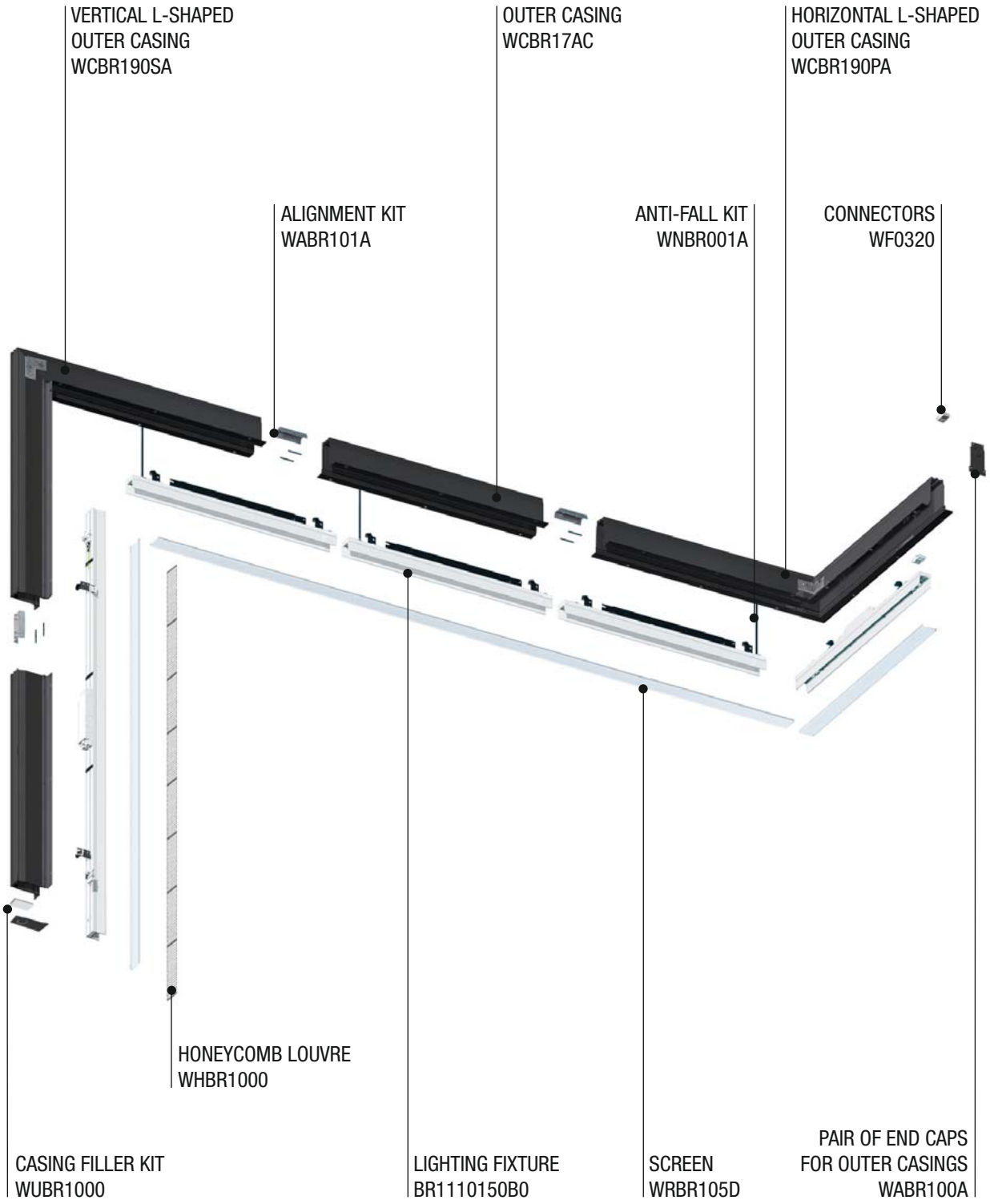
	BRENTA 1	BRENTA 2
Diffuse optics	**WRBR105D** 5000 mm **WRBR110D** 10000 mm **WRBR115D** 15000 mm	**WRBR205D** 5000 mm **WRBR210D** 10000 mm **WRBR215D** 15000 mm
Microprismatic optics	**WRBR105P** 5000 mm **WRBR110P** 10000 mm **WRBR115P** 15000 mm	**WRBR205P** 5000 mm **WRBR210P** 10000 mm **WRBR215P** 15000 mm
Required screen, not included		

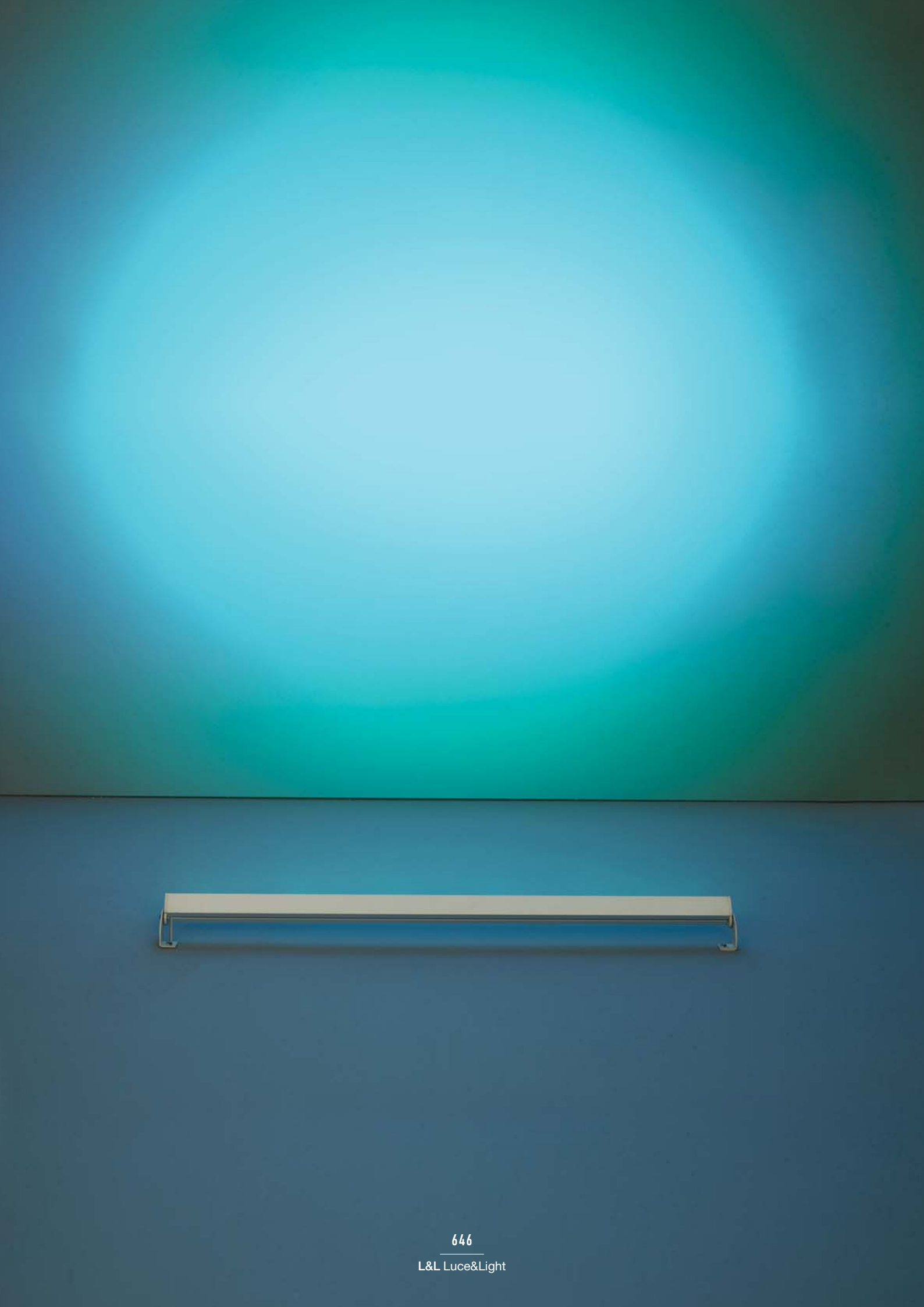
BRENTA CUSTOM

ASSEMBLE BRENTA IN THE LENGTH YOU WANT

4 ACCESSORIES	BRENTA 1	BRENTA 2
ACCESSORIES FOR INSTALLATION WITH CORNER		
 Horizontal L-shaped outer casing	**WCBR190PF** Flush installation **WCBR190PA** Deep-set installation 588x620 mm	**WCBR290PF** Flush installation **WCBR290PA** Deep-set installation 588x648 mm
 Vertical L-shaped outer casing	**WCBR190SF** Flush installation **WCBR190SA** Deep-set installation 644x644 mm	**WCBR290SF** Flush installation **WCBR290SA** Deep-set installation 634x634 mm
ACCESSORIES FOR INSTALLATION		
Alignment kit for outer casings	**WABR101A**	**WABR201A**
Connectors	**WF0320** Three-pin female connector **WF0321** Five-pin female connector	**WF0320** Three-pin female connector **WF0321** Five-pin female connector
Pair of end caps for outer casings	**WABR100F** Flush installation **WABR100A** Deep-set installation	**WABR200F** Flush installation **WABR200A** Deep-set installation
Pair of extractors for outer casings	**WNBR000A**	**WNBR000A**
Casing filler kit	**WUBR1000**	**WUBR2000**
Anti-fall kit	**WNBR001A** for outer casing: WCBR15F, WCBR15A WCBR17F, WCBR17A WCBR19F, WCBR19A WCBR17FC, WCBR17AC WCBR19FC, WCBR19AC	**WNBR001A** for outer casing: WCBR25F, WCBR25A WCBR27F, WCBR27A WCBR29F, WCBR29A WCBR27FC, WCBR27AC WCBR29FC, WCBR29AC
ANTI-GLARE ACCESSORIES		
 Honeycomb louvre the honeycomb louvre can be fitted on diffuse optics and with outer casing for deep-set installation	**WHBR1000** lenght: 140 mm	**WHBR2000** lenght: 140 mm

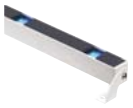
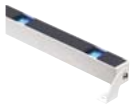
EXAMPLE OF BRENTA CUSTOM 1 CONFIGURATION





SNACK

INDOOR LINEAR PROFILES
ON A BRACKET, WITH WHITE AND RGB LIGHT

	343 mm	643 mm 703 mm	943 mm 1063 mm	1243 mm 1423 mm
DIFFUSE OR 60 mm PITCH 2700K 3000K 4000K ultra-narrow, narrow, medium, elliptical, diffuse				
	SNACK 1.0 p. 648 5W 24Vdc (diffuse version) 9W 24Vdc (optics version)	**SNACK 1.1** p. 648 9W 24Vdc (diffuse version) 18W 24Vdc (optics version)	**SNACK 1.2** p. 649 14W 24Vdc (diffuse version) 27W 24Vdc (optics version)	**SNACK 1.3** p. 649 18W 24Vdc (diffuse version) 36W 24Vdc (optics version)
PITCH 120 mm 2700K 3000K 4000K ultra-narrow, narrow, medium, elliptical				
	SNACK 2.0 p. 650 6W 24Vdc	**SNACK 2.1** p. 650 11W 24Vdc	**SNACK 2.2** p. 651 16W 24Vdc	**SNACK 2.3** p. 651 22W 24Vdc
PITCH 120 mm RGB narrow, medium, wide, elliptical				
	SNACK 3.0 p. 652 10W 24Vdc	**SNACK 3.1** p. 652 20W 24Vdc	**SNACK 3.2** p. 653 30W 24Vdc	**SNACK 3.3** p. 653 40W 24Vdc

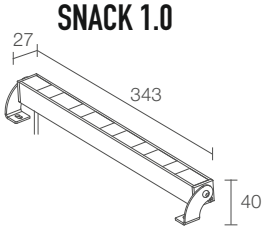
< **SNACK 3.1**
RGB, 20W, 26°, white



^
SNACK 1.1
3000K, 18W, 10°x45°
anodized grey

Project by / Atelier d'Architecture
Emmanuel Nebout
Photo by / Mathieu Ducros
Le Kiasma, Castelnau-le-Lez, France

SNACK 1.0

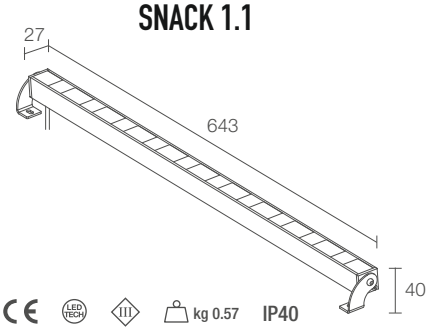


kg 0.30 IP40

A A+ A++ NTC

POWER / POWER SUPPLY CODE	5W 24Vdc 343 mm diffuse **SK1000 D B** White **SK1000 D A** Anodized grey 9W 24Vdc 343 mm pitch 60 **SK1000 B** White **SK1000 A** Anodized grey
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**T** - 7° **S** - 10° **F** - 30° **W** - 10°x45°
LUMEN OUTPUT AT SOURCE	588 lm (3000K, diffuse version) 695 lm (3000K, optics version)
DELIVERED LUMEN OUTPUT	285 lm (3000K, diffuse optics) 425 lm (3000K, 30°)
NO. AND TYPE OF LED	power LED matrix 3-step MacAdam (diffuse version) 5 power LEDs, pitch 60 mm 2-step MacAdam (optics version) 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in opal polycarbonate (diffuse version) screen in transparent, serigraphed polycarbonate (optics version)
POWER SUPPLY UNIT	not included, see p. 847
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
MOUNTING	surface mounted (ceiling, wall, floor)
NOTES	non-standard lengths available on request
PHOTOMETRIC DATA	see p. 816

SNACK 1.1



kg 0.57 IP40

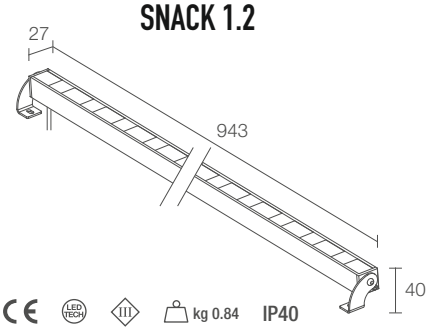
A A+ A++ NTC

	9W 24Vdc 643 mm diffuse **SK1100 D B** White **SK1100 D A** Anodized grey 18W 24Vdc 643 mm pitch 60 **SK1100 B** White **SK1100 A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K
	T - 7° **S** - 10° **F** - 30° **W** - 10°x45°
	1176 lm (3000K, diffuse version) 1390 lm (3000K, optics version)
	570 lm (3000K, diffuse optics) 850 lm (3000K, 30°)
	power LED matrix 3-step MacAdam (diffuse version) 10 power LEDs, pitch 60 mm 2-step MacAdam (optics version) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in opal polycarbonate (diffuse version) screen in transparent, serigraphed polycarbonate (optics version)
	not included, see p. 847
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 816

SNACK 1



SNACK 1.2

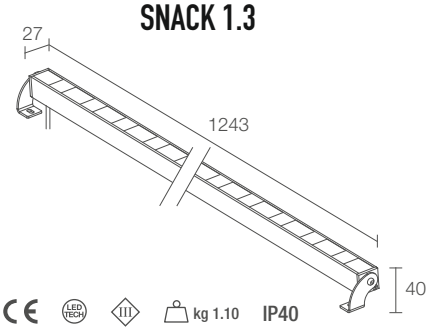


kg 0.84 IP40

A A+ A++ NTC

	14W 24Vdc 943 mm diffuse **SK1200 D B** White **SK1200 D A** Anodized grey 27W 24Vdc 943 mm pitch 60 **SK1200 B** White **SK1200 A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K
	T - 7° **S** - 10° **F** - 30° **W** - 10°x45°
	1764 lm (3000K, diffuse version) 2085 lm (3000K, optics version)
	855 lm (3000K, diffuse optics) 1275 lm (3000K, 30°)
	power LED matrix 3-step MacAdam (diffuse version) 15 power LEDs, pitch 60 mm 2-step MacAdam (optics version) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in opal polycarbonate (diffuse version) screen in transparent, serigraphed polycarbonate (optics version)
	not included, see p. 847
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 816

SNACK 1.3



kg 1.10 IP40

A A+ A++ NTC

	18W 24Vdc 1243 mm diffuse **SK1300 D B** White **SK1300 D A** Anodized grey 36W 24Vdc 1243 mm pitch 60 **SK1300 B** White **SK1300 A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K
	T - 7° **S** - 10° **F** - 30° **W** - 10°x45°
	2352 lm (3000K, diffuse version) 2780 lm (3000K, optics version)
	1140 lm (3000K, diffuse optics) 1700 lm (3000K, 30°)
	power LED matrix 3-step MacAdam (diffuse version) 20 power LEDs, pitch 60 mm 2-step MacAdam (optics version) 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in opal polycarbonate (diffuse version) screen in transparent, serigraphed polycarbonate (optics version)
	not included, see p. 847
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 816

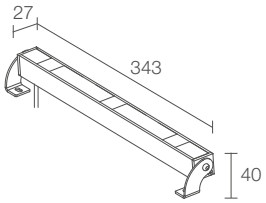


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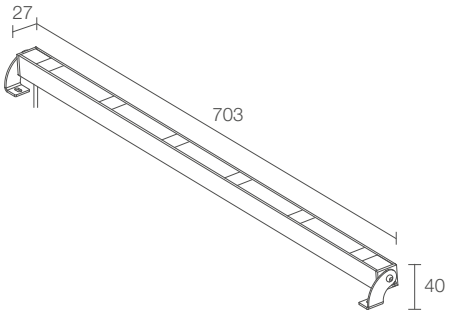
SNACK 2.1
2700K, 11W, 10°x45°
anodized grey
SNACK 2.3
2700K, 22W, 10°x45°
anodized grey

Project by / Elastic Architects
Light planning by / Thanos Danilof
Sofitel Athens Airport
Spata, Athens, Greece

SNACK 2.0



SNACK 2.1

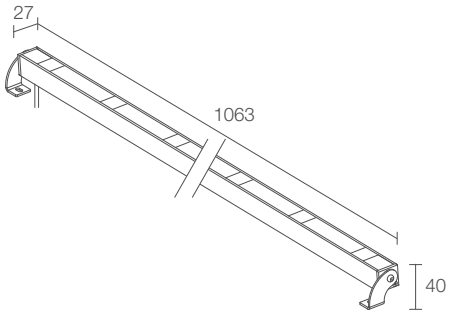


	SNACK 2.0	SNACK 2.1
	CE LED TECH III kg 0.30 IP40 A A+ A++ NTC	CE LED TECH III kg 0.57 IP40 A A+ A++ NTC
POWER / POWER SUPPLY **CODE**	6W 24Vdc 343 mm pitch 120 **SK2000 B** White **SK2000 A** Anodized grey	11W 24Vdc 703 mm pitch 120 **SK2100 B** White **SK2100 A** Anodized grey
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K	**F** - 2700K **5** - 3000K **9** - 4000K
OPTICS	**T** - 7° **S** - 10° **F** - 30° **W** - 10°x45°	**T** - 7° **S** - 10° **F** - 30° **W** - 10°x45°
LUMEN OUTPUT AT SOURCE	417 lm (3000K)	835 lm (3000K)
DELIVERED LUMEN OUTPUT	255 lm (3000K, 30°)	510 lm (3000K, 30°)
NO. AND TYPE OF LED	3 power LEDs, pitch 120 mm 2-step MacAdam 50000h L90 B10 (Ta 25°C)	6 power LEDs, pitch 120 mm 2-step MacAdam 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in transparent, serigraphed polycarbonate	body in anodized aluminium screen in transparent, serigraphed polycarbonate
POWER SUPPLY UNIT	not included, see p. 847	not included, see p. 847
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
MOUNTING	surface mounted (ceiling, wall, floor)	surface mounted (ceiling, wall, floor)
NOTES	non-standard lengths available on request	non-standard lengths available on request
PHOTOMETRIC DATA	see p. 816	see p. 816

SNACK 2



SNACK 2.2

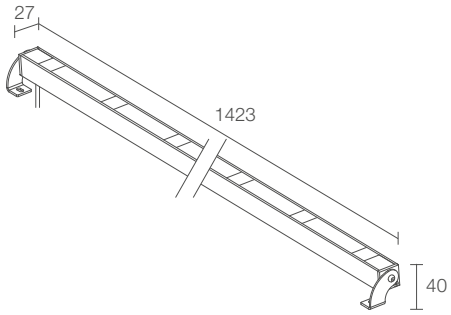


kg 0.84 IP40

A A+ A++ NTC

	16W 24Vdc 1063 mm pitch 120 **SK2200** **B** White **SK2200** **A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K
	T - 7° **S** - 10° **F** - 30° **W** - 10°x45°
	1252 lm (3000K)
	765 lm (3000K, 30°)
	9 power LEDs, pitch 120 mm 2-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent, serigraphed polycarbonate
	not included, see p. 847
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 816

SNACK 2.3



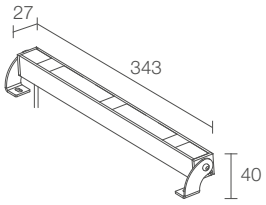
kg 1.10 IP40

A A+ A++ NTC

	22W 24Vdc 1423 mm pitch 120 **SK2300** **B** White **SK2300** **A** Anodized grey
	F - 2700K **5** - 3000K **9** - 4000K
	T - 7° **S** - 10° **F** - 30° **W** - 10°x45°
	1670 lm (3000K)
	1020 lm (3000K, 30°)
	12 power LEDs, pitch 120 mm 2-step MacAdam 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent, serigraphed polycarbonate
	not included, see p. 847
	includes 1.5 m PVC cable FROR 2x0.35 Ø3.5 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 816

SNACK 3

SNACK 3.0

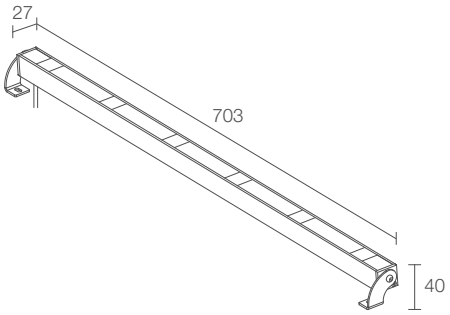


kg 0.30 IP40

A A+ A++ NTC

POWER / POWER SUPPLY	10W 24Vdc 343 mm pitch 120
CODE	**SK3000 6 B** White **SK3000 6 A** Anodized grey
OPTICS	**S** - 18° **M** - 26° **L** - 32° **W** - 22°x42°
LED COLOUR	RGB
LUMEN OUTPUT AT SOURCE	870 lm, R: 145 lm G: 435 lm B: 290 lm
DELIVERED LUMEN OUTPUT	458 lm, R: 76 lm G: 229 lm B: 153 lm (26°)
NO. AND TYPE OF LED	3 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
MATERIAL	body in anodized aluminium screen in transparent, serigraphed polycarbonate
POWER SUPPLY UNIT	not included, see p. 847 and 855
POWER CABLES	includes 1.5 m PVC cable, FROR 4x0.50 Ø5.0 mm
MOUNTING	surface mounted (ceiling, wall, floor)
NOTES	non-standard lengths available on request
PHOTOMETRIC DATA	see p. 817

SNACK 3.1



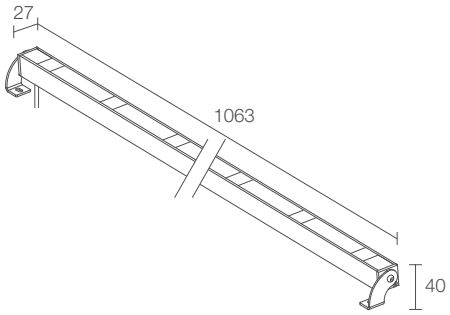
kg 0.57 IP40

A A+ A++ NTC

	20W 24Vdc 703 mm pitch 120
	SK3100 6 B White **SK3100 6 A** Anodized grey
	S - 18° **M** - 26° **L** - 32° **W** - 22°x42°
	RGB
	1740 lm, R: 290 lm G: 870 lm B: 580 lm
	916 lm, R: 152 lm G: 458 lm B: 306 lm (26°)
	6 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent, serigraphed polycarbonate
	not included, see p. 847 and 855
	includes 1.5 m PVC cable, FROR 4x0.50 Ø5.0 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 817



SNACK 3.2

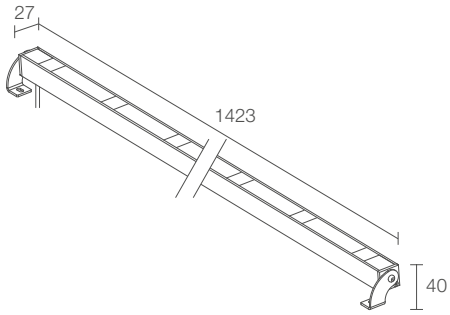


kg 0.84 IP40

A A+ A++ NTC

	30W 24Vdc 1063 mm pitch 120 **SK3200 6 B** White **SK3200 6 A** Anodized grey
	S - 18° **M** - 26° **L** - 32° **W** - 22°x42°
	RGB
	2953 lm, R: 434 lm G: 1303 lm B: 1216 lm
	1374 lm, R: 228 lm G: 687 lm B: 459 lm (26°)
	9 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent, serigraphed polycarbonate
	not included, see p. 847 and 855
	includes 1.5 m PVC cable, FROR 4x0.50 Ø5.0 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 817

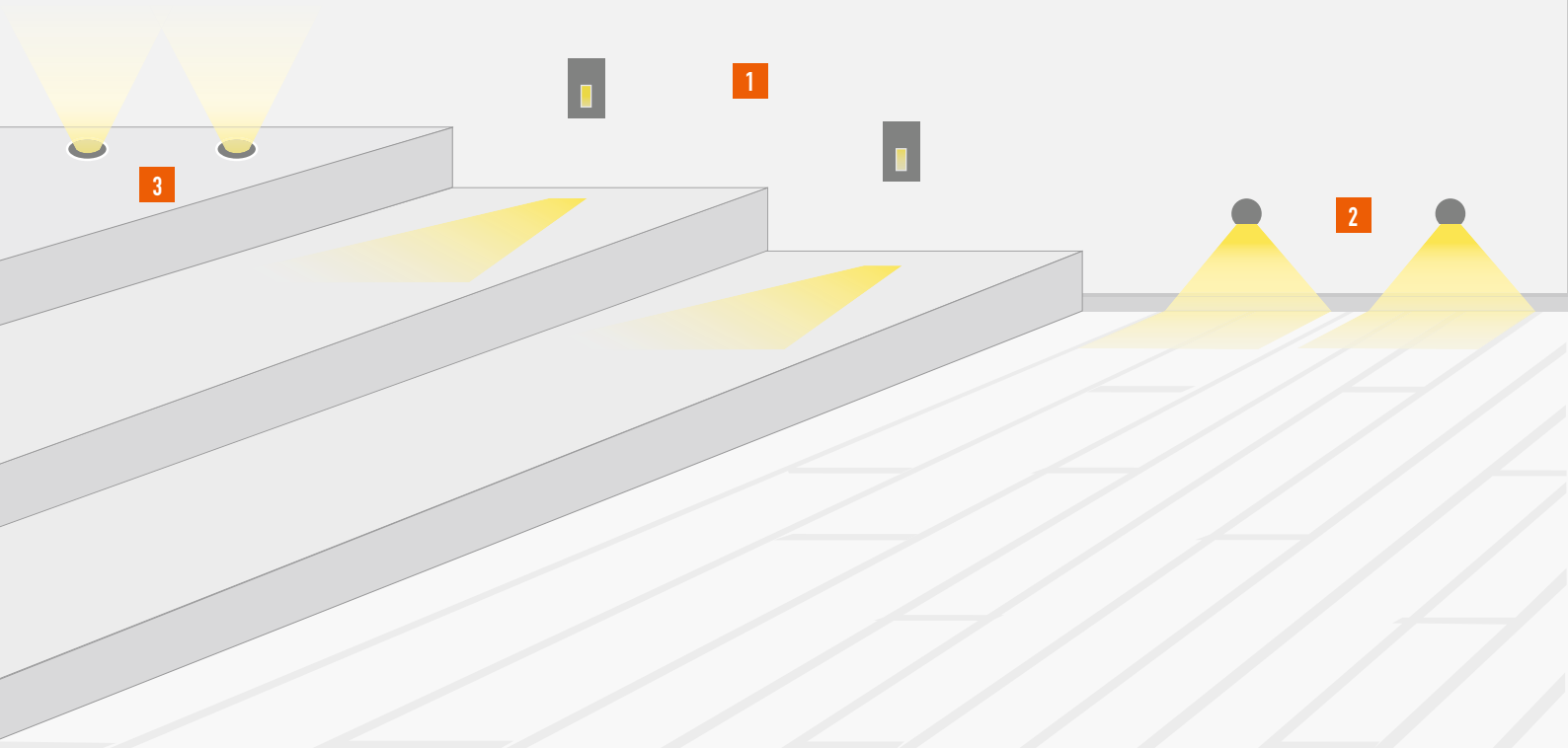
SNACK 3.3



kg 1.10 IP40

A A+ A++ NTC

	40W 24Vdc 1423 mm pitch 120 **SK3300 6 B** White **SK3300 6 A** Anodized grey
	S - 18° **M** - 26° **L** - 32° **W** - 22°x42°
	RGB
	3935 lm, R: 578 lm G: 1736 lm B: 1621 lm
	1832 lm, R: 304 lm G: 916 lm B: 612 lm (26°)
	12 RGB LED groups pitch 120 mm 50000h L90 B10 (Ta 25°C)
	body in anodized aluminium screen in transparent, serigraphed polycarbonate
	not included, see p. 847 and 855
	includes 1.5 m PVC cable, FROR 4x0.50 Ø5.0 mm
	surface mounted (ceiling, wall, floor)
	non-standard lengths available on request
	see p. 817



1 **LINE** p. 656

2 **STEP INSIDE** p. 662

3 **SIMPLY** p. 668

STEP LIGHTS

FOR INDOOR APPLICATIONS







		LINE see p. 656	**STEP INSIDE** see p. 662	**SIMPLY** see p. 668
APPLICATION		stairs and corridors	orientation light	orientation light
MOUNTING	RECESSED	●		●
	SEMI-RECESSED		●	
LUMINOUS INTENSITY		●	●	●
LIGHT COLOUR		2700K 3000K 4000K 5000K blue	2700K 3000K 4000K 5000K blue	2700K 3000K 4000K 5000K blue
SHAPE		▭	▭ ◠	○
POWER SUPPLY	CONSTANT CURRENT power supply unit not included	max 500mA	max 500mA	max 220mA
	CONSTANT VOLTAGE power supply unit not included		24Vdc	
IP		IP20	IP40	IP44
APPLIANCE CLASS		III	III	III



LINE

INDOOR STEP LIGHTS
LIGHTING FOR STAIRS AND CORRIDORS



diffuse

2700K 3000K 4000K 5000K blue

	RECESSED IN SOLID WALLS	RECESSED IN PLASTERBOARD WALLS
60x70 mm max 2W max 500mA	 LINE 1.0 p. 658	 LINE 1.1 p. 658
55x160 mm max 2W max 500mA	 LINE 2.0 p. 659	 LINE 2.1 p. 659

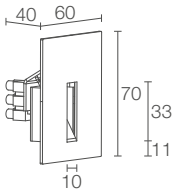
< LINE 1.0
3000K, 2W, satin

Interior design by / Cristian Turra
Photo by / Alessio Tamborini
Private residence, Brescia, Italy

LINE 1



LINE 1.0



Required outer casing, not included

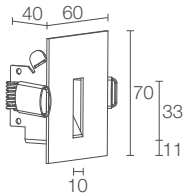
kg 0.16 IP20

A A+ A++

POWER / POWER SUPPLY	max 2W max 500mA
CODE	**FL1270 D B** White **FL1270 D S** Satin **FL1270 D T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	32 lm (3000K, 500mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and cover in steel
POWER SUPPLY UNIT	not included, see p. 660 and 844
POWER CABLES	terminal block
WIRING	series
MOUNTING	**recessed (solid walls)**
ACCESSORIES	see p. 660
PHOTOMETRIC DATA	see p. 779



LINE 1.1



150x150 mm
H 70 mm

38x55 mm

kg 0.18 IP20

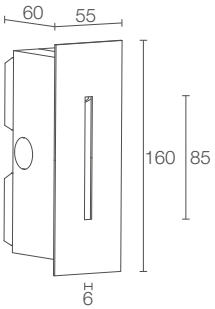
A A+ A++

	max 2W max 500mA
	LN1112 A B White **LN1112 A S** Satin **LN1112 A T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	diffuse
	145 lm (3000K, 500mA)
	32 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in steel
	not included, see p. 660 and 844
	terminal block
	series
	recessed (plasterboard)
	none
	see p. 779

LINE 2



LINE 2.0



Required outer casing, not included

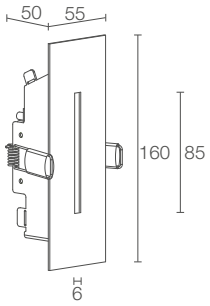
kg 0.21 IP20

A A+ A++

POWER / POWER SUPPLY	max 2W max 500mA
CODE	**LN2012 A B** White **LN2012 A S** Satin **LN2012 A T** Cor-ten
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	42 lm (3000K, 500mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and cover in steel
POWER SUPPLY UNIT	not included, see p. 660 and 844
POWER CABLES	terminal block
WIRING	series
MOUNTING	**recessed (solid walls)**
ACCESSORIES	see p. 660
PHOTOMETRIC DATA	see p. 779



LINE 2.1



150x210 mm
H 70 mm

45x125 mm

kg 0.32 IP20

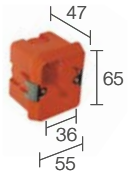
A A+ A++

	max 2W max 500mA
	LN2112 A B White **LN2112 A S** Satin **LN2112 A T** Cor-ten
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	diffuse
	145 lm (3000K, 500mA)
	42 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in steel
	not included, see p. 660 and 844
	terminal block
	series
	recessed (plasterboard)
	none
	see p. 779

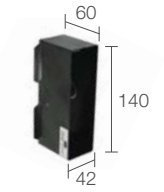
LINE

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0300
Outer casing for solid walls
(Line 1.0)



WC1600
Outer casing for solid walls
(Line 2.0)

POWER SUPPLY UNITS

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

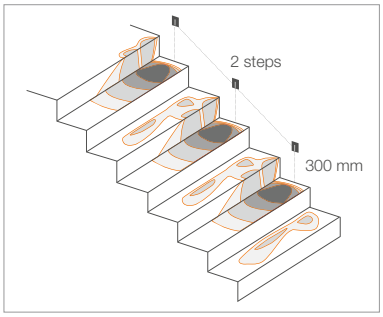
500mA

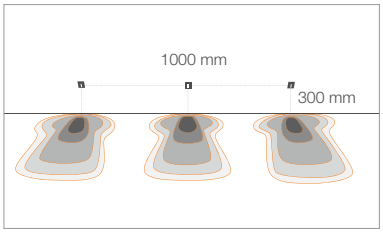
Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850

POSITIONING DIAGRAMS

LINE 1.0 / 1.1

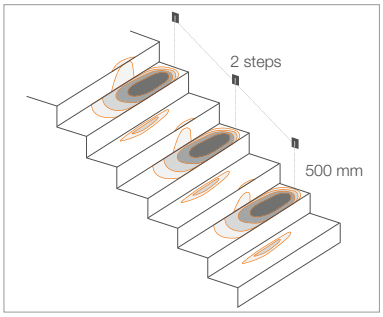
D - Diffuse

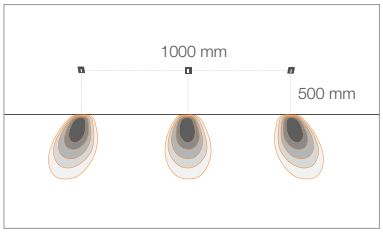




LINE 2.0 / 2.1

D - Diffuse







STEP INSIDE

INDOOR STEP LIGHTS
ORIENTATION LIGHT

SEMI-RECESSED





diffuse



2700K 3000K 4000K 5000K blue

CONSTANT CURRENT max 2W max 500mA	CONSTANT VOLTAGE 2W 24Vdc

SQUARE COVER







STEP INSIDE 2.2 p. 664	STEP INSIDE 2.8 p. 665

ROUND COVER







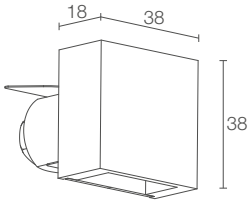
STEP INSIDE 2.3 p. 664	STEP INSIDE 2.9 p. 665

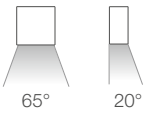
< STEP INSIDE 2.8
3000K, 2W, cor-ten

STEP INSIDE



STEP INSIDE 2.2





Ø 70 mm
H 70 mm

Ø 30 mm

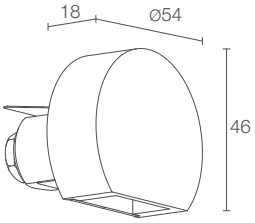
kg 0.18 IP40

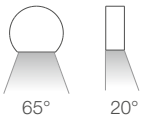
A A+ A++ EPS

POWER / POWER SUPPLY	**max 2W max 500mA**
CODE	**SP2212 D E** White **SP2212 D C** Chrome **SP2212 D S** Satin **SP2212 D N** Black **SP2212 D T** Cor-ten **SP2212 D 4** Light ivory
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	35 lm (3000K, 500mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and cover in aluminium screen in transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 666 and 844
POWER CABLES	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
WIRING	series
MOUNTING	semi-recessed (wall)
ACCESSORIES	see p. 666
NOTES	outdoor version: Step Outside 2.0, p. 362
PHOTOMETRIC DATA	see p. 821



STEP INSIDE 2.3





Ø 70 mm
H 70 mm

Ø 30 mm

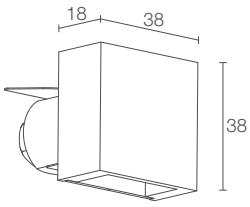
kg 0.20 IP40

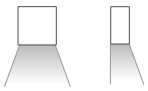
A A+ A++ EPS

	max 2W max 500mA
	SP2312 D E White **SP2312 D C** Chrome **SP2312 D S** Satin **SP2312 D N** Black **SP2312 D T** Cor-ten **SP2312 D 4** Light ivory
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	diffuse
	145 lm (3000K, 500mA)
	35 lm (3000K, 500mA)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in aluminium screen in transparent extra-clear glass
	not included, see p. 666 and 844
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	series
	semi-recessed (wall)
	see p. 666
	outdoor version: Step Outside 2.1, p. 362
	see p. 821



STEP INSIDE 2.8





Ø 70 mm
H 70 mm

Ø 30 mm

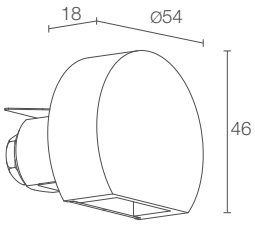
kg 0.18 IP40

A A+ A++ EPS

	2W 24Vdc
	SP2800 D E White
	SP2800 D C Chrome
	SP2800 D S Satin
	SP2800 D N Black
	SP2800 D T Cor-ten
	SP2800 D 4 Light ivory
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	diffuse
	145 lm (3000K)
	35 lm (3000K)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in aluminium screen in transparent extra-clear glass
	not included, see p. 666
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	semi-recessed (wall)
	see p. 666
	outdoor version: Step Outside 2.6, p. 363
	see p. 821



STEP INSIDE 2.9





Ø 70 mm
H 70 mm

Ø 30 mm

kg 0.20 IP40

A A+ A++ EPS

	2W 24Vdc
	SP2900 D E White
	SP2900 D C Chrome
	SP2900 D S Satin
	SP2900 D N Black
	SP2900 D T Cor-ten
	SP2900 D 4 Light ivory
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	diffuse
	145 lm (3000K)
	35 lm (3000K)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and cover in aluminium screen in transparent extra-clear glass
	not included, see p. 666
	includes 1.5 m PVC cable FROR 2x0.35/0.35 Ø3.5 mm
	parallel
	semi-recessed (wall)
	see p. 666
	outdoor version: Step Outside 2.7, p. 363
	see p. 821

STEP INSIDE

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WC0202

Outer casing for solid walls

POWER SUPPLY UNITS Step Inside 2.2 / 2.3

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
1/15	ACUNI020T1	20	844 845
3/9	A19350QL	20	845
5/12	A312350QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
2/6	A16350IP67	67	845
5/12	A312350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/10	ACUNI020T1	20	844 845
2/5	A15500QL	20	845
5/10	A310500QL	20	845
1/12 dimmer	ADUNITC	20	848 849 850
1/4	A14500IP67	67	845
5/10	A310500IP67	67	845

POWER SUPPLY UNITS Step Inside 2.8 / 2.9

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

STANDARD FINISHES


White


Chrome


Satin


Black


Cor-ten


Light ivory









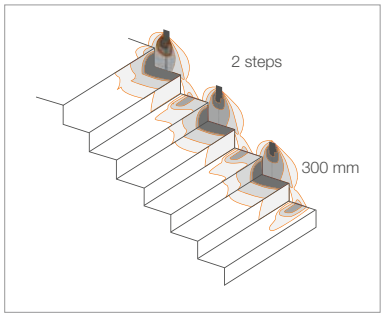


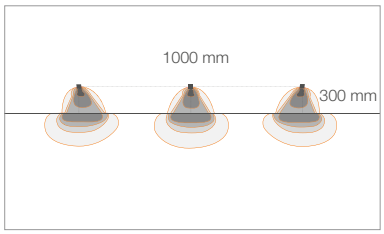


POSITIONING DIAGRAMS

STEP INSIDE 2.2 / 2.3 / 2.8 / 2.9

D - Diffuse





v

STEP INSIDE 2.3
3000K, 2W, white



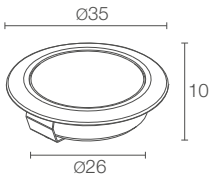


SIMPLY

INDOOR UPLIGHT
ORIENTATION LIGHT



SIMPLY 1.0



Ø 40 mm
H 10 mm

Ø 28 mm

kg 0.03 IP44

A A+ A++

T max 40°C

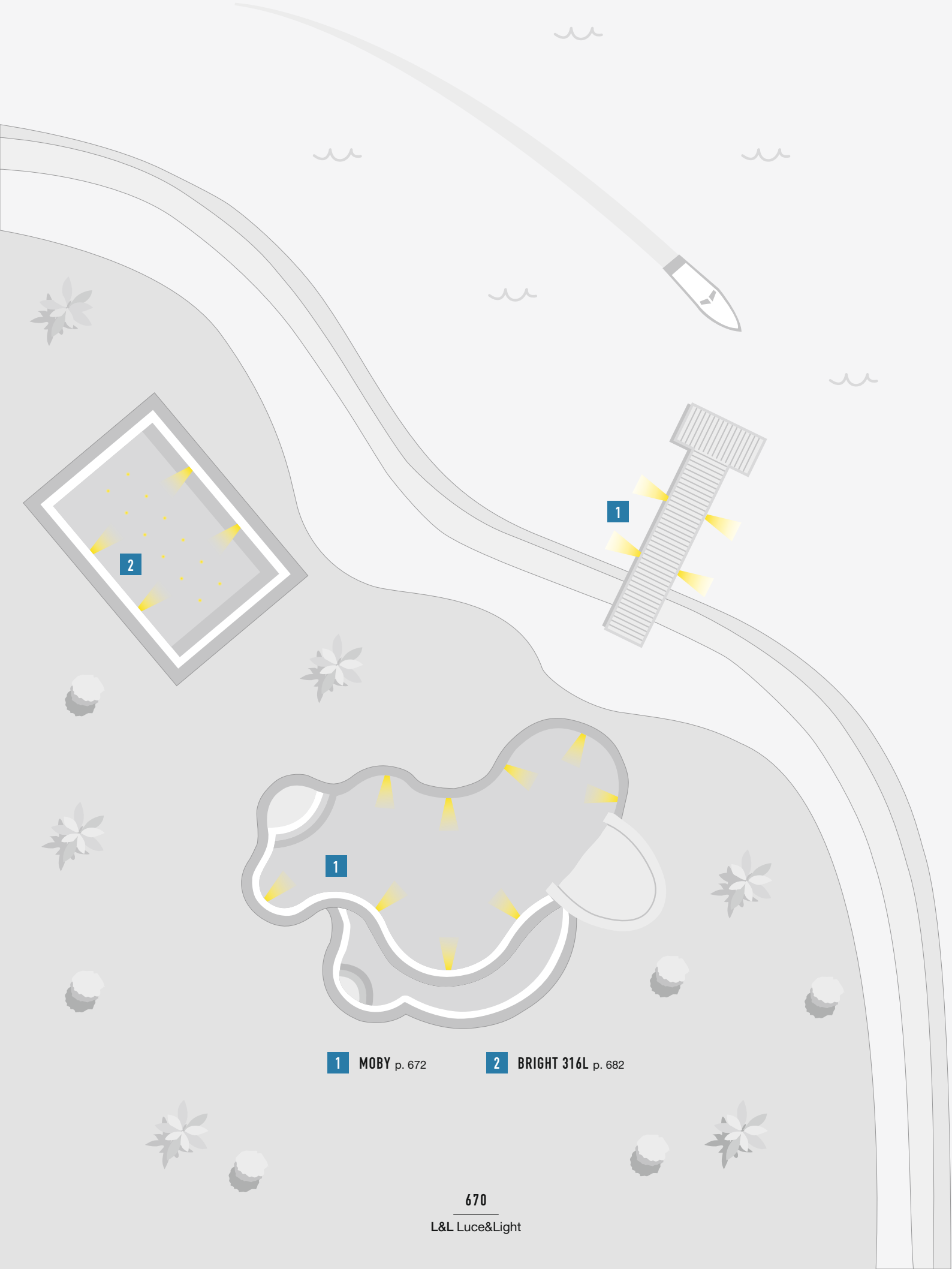
POWER / POWER SUPPLY	max 1W max 220mA
CODE	**SM1011 D C** Chrome **SM1011 D P** Pearl chrome
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	75 lm (3000K, 220mA)
DELIVERED LUMEN OUTPUT	37 lm (3000K, 220mA)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in anodized aluminium screen in opal polycarbonate
POWER SUPPLY UNIT	not included

Max no. fixtures	PSU	IP	Page
1/9	A19220TC	20	844
1/12 dimmer	ADUNITC	20	848 849 850

POWER CABLES	includes 2x0.30 m single-core cables
WIRING	series
MOUNTING	recessed (ceiling, wall, floor)
PHOTOMETRIC DATA	see p. 807

< **SIMPLY 1.0**
3000K, 1W, pearl chrome

Project and light planning by / DVDV Studio architetti
Photo by / Alessio Tamborini
Private residence, Milan, Italy



1 **MOBY** p. 672

2 **BRIGHT 316L** p. 682

RECESSED

FOR UNDERWATER APPLICATIONS



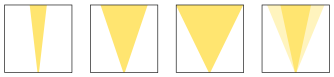


		MOBY see p. 672	BRIGHT 316L see p. 682
BEAM	DIFFUSE VERSION		•
	OPTICS VERSION	•	•
LIGHT COLOUR		2700K 3000K 4000K RGBW cyan	2700K 3000K 4000K 5000K blue RGB
POWER SUPPLY	CONSTANT CURRENT power supply unit not included		max 500mA (blue/white/RGB light)
	CONSTANT VOLTAGE power supply unit not included	24Vdc	12Vdc (RGB light) 24Vdc (blue/white light)
APPLIANCE CLASS		III	III
UNIQUE SELLING POINTS		glass cover with vitrified serigraphy suitable for use in seawater	


L&L

MOBY

PERMANENT UNDERWATER RECESSED
WHITE, RGBW AND CYAN LIGHTING SCENES IN POOLS AND FOUNTAINS



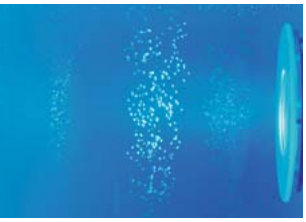
2700K 3000K 4000K RGBW cyan

	9W 24Vdc Ø180 mm	20W 24Vdc Ø232 mm	30W 24Vdc Ø270 mm
TRIM IN AISI 316L STAINLESS STEEL			
	MOBY 1.0 p. 676	MOBY 2.0 p. 677	MOBY 3.0 p. 679
GLASS COVER WITH VITRIFIED SERIGRAPHY			
	MOBY 1.1 p. 676	MOBY 2.1 p. 677	MOBY 3.1 p. 679

< MOBY 2.1
RGBW, 20W, 31°x64°









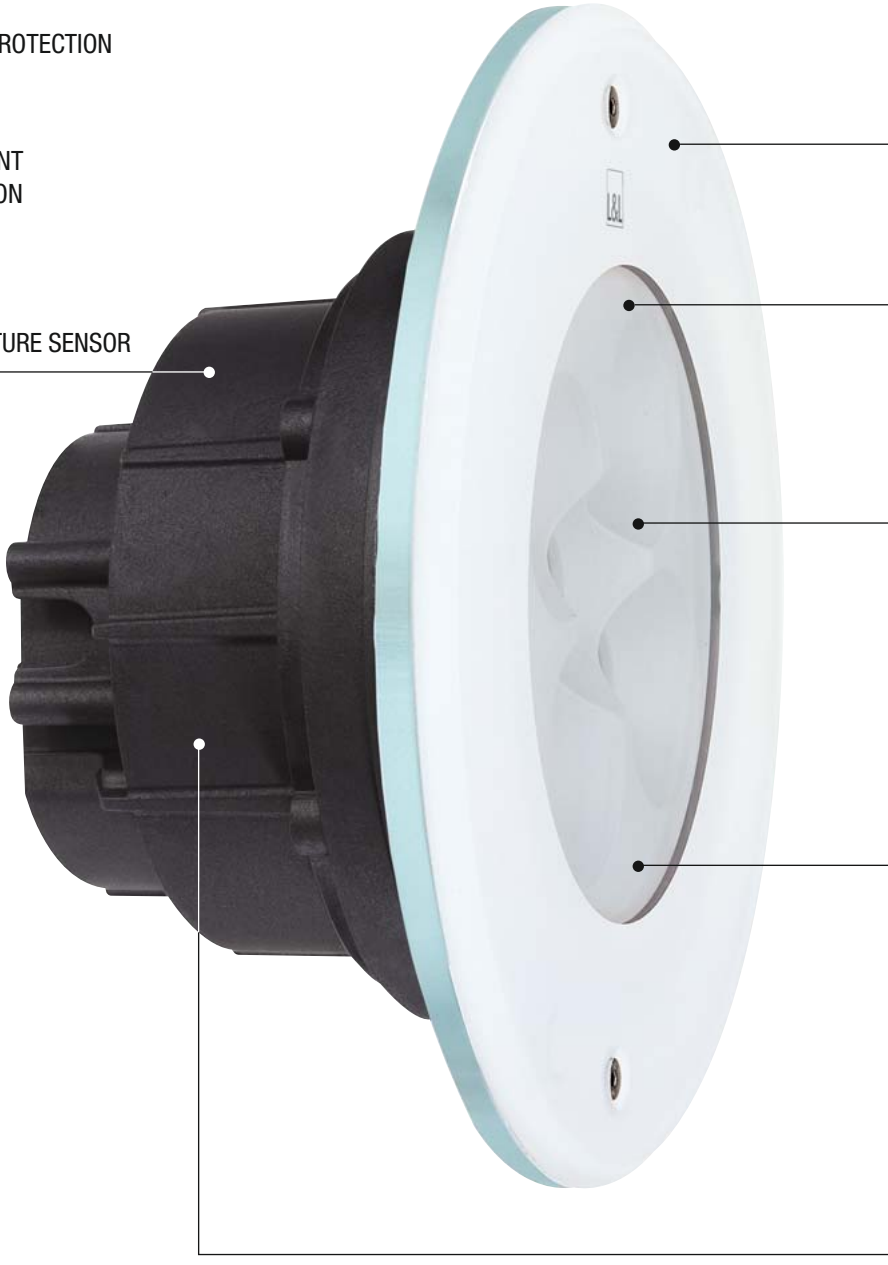


IF THE CYAN LED COLOUR
IS SELECTED, IT IS POSSIBLE
TO PLAY AROUND WITH
ITS DIFFERENT SHADES,
FROM TURQUOISE TO AZURE TO
AQUAMARINE, BY BLENDING THE
GREEN AND BLUE LED COLOURS

BUILT-IN PROTECTION
SYSTEMS:

IPS
INTELLIGENT
PROTECTION
SYSTEM

NTC
BUILT-IN
TEMPERATURE SENSOR





FOR PROJECTOR
VERSION MOBY P
P. 694

MOBY

UNIQUE SELLING POINTS

INSTALLATION IN SWIMMING POOLS AND FOUNTAINS AT GREAT DEPTHS: UP TO 10 M

10m

ANTI-GLARE RECESSED OPTICS

THE GLASS'S THICKNESS OF UP TO 16 MM GUARANTEES MAXIMUM IMPACT RESISTANCE

IK10

THE HIGH-TRANSMITTANCE, TEMPERED, TRANSPARENT EXTRA-CLEAR GLASS WITH VITRIFIED SERIGRAPHY AND THE MIXING CHAMBER ENSURE CHROMATIC UNIFORMITY OF THE WHITE, RGBW AND CYAN LIGHT

THERMALLY CONDUCTIVE TECHNOPOLYMER FOR EFFICIENT HEAT DISSIPATION AND TO PROTECT THE DEVICE FROM THE HIGHLY CORROSIVE SUBSTANCES FOUND IN WATER: CHLORINE (SWIMMING POOLS), SULPHUR (SPAS), AND SODIUM CHLORIDE AND OTHER SALTS (SEAWATER). SALT SPRAY TESTED (OVER 1500 HOURS)

VERSION WITH TRIM IN MICROBLASTED, PASSIVATED AND ELECTROPOLISHED AISI 316L STAINLESS STEEL, PRODUCED ENTIRELY ON A CNC LATHE: THE BEST CORROSION TREATMENT



VERSION WITH COVER IN GLASS WITH VITRIFIED SERIGRAPHY TO BLEND IN WITH THE UNDERWATER CLADDING: SUITABLE FOR USE IN SEAWATER, POOLS AND SPAS



INSTALLATION KIT SPECIFICALLY FOR SWIMMING POOLS WITH LINERS (MOBY WITH TRIM IN STAINLESS STEEL)



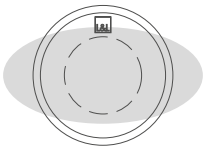
MOBY 1



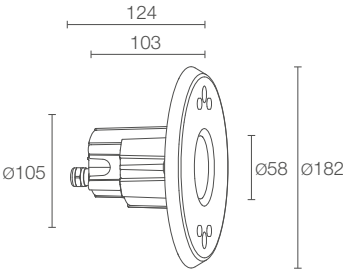
MOBY 1.0

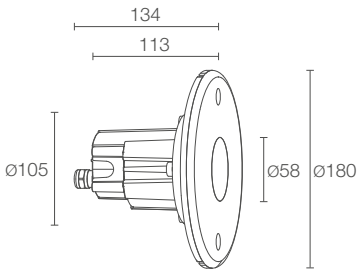


MOBY 1.1



31°x64° optics





kg 1.20 IP68 IK10

A A+ A++ IPS NTC

kg 1.42 IP68 IK10

A A+ A++ IPS NTC

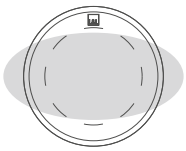
POWER / POWER SUPPLY	9W 24Vdc	9W 24Vdc
CODE	**MY1000** ■ ■ **I** Micro-blasted stainless steel	**MY1100** ■ ■ **V** Glass
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■ **OPTICS**	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
LUMEN OUTPUT AT SOURCE	507 lm (3000K) RGBW: 295 lm, R: 47 lm G: 85 lm B: 24 lm W: 139 lm (4000K) cyan: 260 lm	507 lm (3000K) RGBW: 295 lm, R: 47 lm G: 85 lm B: 24 lm W: 139 lm (4000K) cyan: 260 lm
DELIVERED LUMEN OUTPUT	359 lm (3000K, 34°) RGBW: 208 lm, R: 33 lm G: 61 lm B: 16 lm W: 98 lm (4000K, 34°) cyan: 184 lm (34°)	359 lm (3000K, 34°) RGBW: 208 lm, R: 33 lm G: 61 lm B: 16 lm W: 98 lm (4000K, 34°) cyan: 184 lm (34°)
NO. AND TYPE OF LED	1 power LED group, 2-step MacAdam RGBW: 1 RGBW power LED group cyan: 1 cyan power LED group 50000h L90 B10 (Ta 25°C)	1 power LED group, 2-step MacAdam RGBW: 1 RGBW power LED group cyan: 1 cyan power LED group 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass	body in thermally conductive plastic glass cover with vitrified serigraphy
POWER SUPPLY UNIT	not included, see p. 680	not included, see p. 680
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
MOUNTING	recessed (wall) max depth 10 m	recessed (wall) max depth 10 m
ACCESSORIES	see p. 680	see p. 680
NOTES	not suitable for use in salt water only suitable for underwater applications projector version: Moby P 1.0, p. 696	suitable for use in salt water only suitable for underwater applications projector version: Moby P 1.1, p. 696
PHOTOMETRIC DATA	see p. 787	see p. 787

MOBY 2

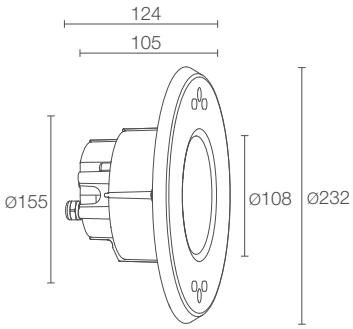




MOBY 2.0



31°x64° optics



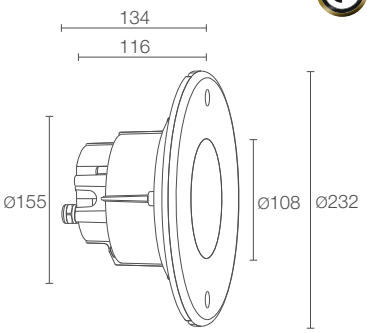
kg 1.60 IP68 IK10

A A+ A++ IPS NTC

POWER / POWER SUPPLY	20W 24Vdc
CODE	**MY2000** ■ ■ **I** Micro-blasted stainless steel
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■ **OPTICS**	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
LUMEN OUTPUT AT SOURCE	1522 lm (3000K) RGBW: 884 lm, R: 138 lm G: 259 lm B: 69 lm W: 418 lm (4000K) cyan: 782 lm
DELIVERED LUMEN OUTPUT	1078 lm (3000K, 34°) RGBW: 626 lm, R: 97 lm G: 184 lm B: 48 lm W: 297 lm (4000K, 34°) cyan: 552 lm (34°)
NO. AND TYPE OF LED	3 power LED groups, 2-step MacAdam RGBW: 3 RGBW power LED groups cyan: 3 cyan power LED groups 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 680
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
MOUNTING	recessed (wall) max depth 10 m
ACCESSORIES	see p. 680
NOTES	not suitable for use in salt water only suitable for underwater applications projector version: Moby P 2.0, p. 697
PHOTOMETRIC DATA	see p. 787

MOBY 2.1

GERMAN DESIGN AWARD WINNER 2019



kg 2.20 IP68 IK10

A A+ A++ IPS NTC

	20W 24Vdc
	MY2100 ■ ■ **V** Glass
■	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
	1522 lm (3000K) RGBW: 884 lm, R: 138 lm G: 259 lm B: 69 lm W: 418 lm (4000K) cyan: 782 lm
	1078 lm (3000K, 34°) RGBW: 626 lm, R: 97 lm G: 184 lm B: 48 lm W: 297 lm (4000K, 34°) cyan: 552 lm (34°)
	3 power LED groups, 2-step MacAdam RGBW: 3 RGBW power LED groups cyan: 3 cyan power LED groups 50000h L90 B10 (Ta 25°C)
	body in thermally conductive plastic glass cover with vitrified serigraphy
	not included, see p. 680
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
	recessed (wall) max depth 10 m
	see p. 680
	suitable for use in salt water only suitable for underwater applications projector version: Moby P 2.1, p. 697
	see p. 787



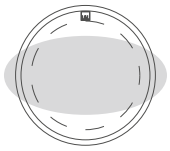
Project by / arch. Rocco Valentini
Tenuta di Sipio, Ripa Teatina, Chieti, Italy

MOBY 3

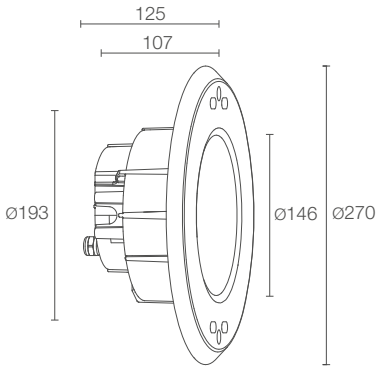




MOBY 3.0



31°x64° optics

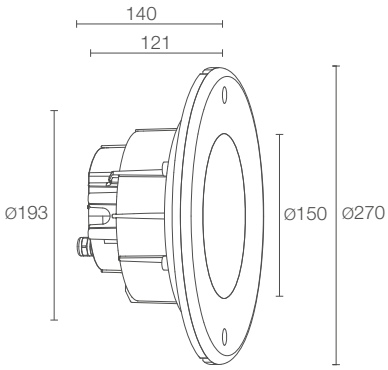


kg 2.40 IP68 IK10

A A+ A++ IPS NTC

POWER / POWER SUPPLY	30W 24Vdc
CODE	**MY3000** ■ ■ **I** Micro-blasted stainless steel
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■ **OPTICS**	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
LUMEN OUTPUT AT SOURCE	2537 lm (3000K) RGBW: 1474 lm, R: 231 lm G: 432 lm B: 118 lm W: 693 lm (4000K) cyan: 1303 lm
DELIVERED LUMEN OUTPUT	1876 lm (3000K, 34°) RGBW: 1090 lm, R: 171 lm G: 319 lm B: 87 lm W: 513 lm (4000K, 34°) cyan: 961 lm (34°)
NO. AND TYPE OF LED	5 power LED groups, 2-step MacAdam RGBW: 5 RGBW power LED groups cyan: 5 cyan power LED groups 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 680
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
MOUNTING	recessed (wall) max depth 10 m
ACCESSORIES	see p. 680
NOTES	not suitable for use in salt water only suitable for underwater applications projector version: Moby P 3.0, p. 698
PHOTOMETRIC DATA	see p. 787

MOBY 3.1



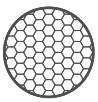
kg 3.00 IP68 IK10

A A+ A++ IPS NTC

	30W 24Vdc
	MY3100 ■ ■ **V** Glass
■	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
	2537 lm (3000K) RGBW: 1474 lm, R: 231 lm G: 432 lm B: 118 lm W: 693 lm (4000K) cyan: 1303 lm
	1876 lm (3000K, 34°) RGBW: 1090 lm, R: 171 lm G: 319 lm B: 87 lm W: 513 lm (4000K, 34°) cyan: 961 lm (34°)
	5 power LED groups, 2-step MacAdam RGBW: 5 RGBW power LED groups cyan: 5 cyan power LED groups 50000h L90 B10 (Ta 25°C)
	body in thermally conductive plastic glass cover with vitrified serigraphy
	not included, see p. 680
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
	recessed (wall) max depth 10 m
	see p. 680
	suitable for use in salt water only suitable for underwater applications projector version: Moby P 3.1, p. 698
	see p. 787

MOBY

ACCESSORIES AND POWER SUPPLY UNITS

	MOBY 1.0	MOBY 1.1	MOBY 2.0	MOBY 2.1	MOBY 3.0	MOBY 3.1
ANTI-GLARE ACCESSORIES						
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture	**WH0401**	**WH0401**	**WH0402**	**WH0402**	**WH0403**	**WH0403**
ACCESSORIES FOR INSTALLATION						
 Outer casing	**WC5201**	**WC5201**				
 Outer casing			**WC5202**	**WC5202**		
 Outer casing					**WC5203**	**WC5203**
 Accessory for PVC liner	**WC5301**		**WC5302**		**WC5303**	

POWER SUPPLY UNITS

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860
-	Cyan controller	-	855 - 860



v
BRIGHT 3.0 316L
3000K, 9W, 45°



2700K 3000K 4000K 5000K blue

BLUE / WHITE LIGHT
CONSTANT CURRENT

2700K 3000K 4000K 5000K blue

BLUE / WHITE LIGHT
CONSTANT VOLTAGE

Ø35 mm



BRIGHT 1.0 316L p. 684
max 2W max 500mA

narrow medium wide diffuse



BRIGHT 1.6 316L p. 685
2W 24Vdc

narrow medium wide diffuse

Ø80 mm

Ø133 mm



BRIGHT 2.0 316L p. 686
max 6W max 500mA RGB

narrow medium wide



BRIGHT 2.6 316L p. 686
6W 24Vdc

narrow medium wide

Ø201 mm

BRIGHT 316L

UNDERWATER RECESSED
LIGHTING FOR POOLS AND FOUNTAINS

RGB

RGB LIGHT
CONSTANT VOLTAGE

2700K 3000K 4000K RGB

WHITE LIGHT – CONSTANT VOLTAGE
RGB LIGHT – CONSTANT CURRENT

2700K 3000K 4000K 5000K blue RGB

BLUE/WHITE LIGHT – CONSTANT VOLTAGE
RGB LIGHT – CONSTANT CURRENT



BRIGHT 1.8 316L p. 685
1.2W 12Vdc



diffuse sandblasted | diffuse transparent



BRIGHT 3.0 316L p. 688
7W / 9W 24Vdc
RGB: max 5W max 500mA



narrow | medium | wide | ultra-wide | elliptical



BRIGHT 5.0 316L p. 689
12W / 18W 24Vdc
RGB: max 18W max 500mA



narrow | medium | wide



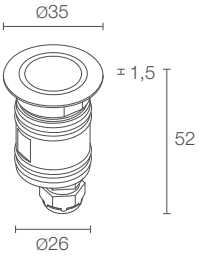
BRIGHT 1 316L

BRIGHT 1.6 316L >
2700K, 2W, 40°
BRIGHT 2.6 316L
2700K, 6W, 38°
BRIGHT 1.6
2700K, 2W, 10°

Private residence
Côte d'Azur, France



BRIGHT 1.0 316L



Ø 30 mm

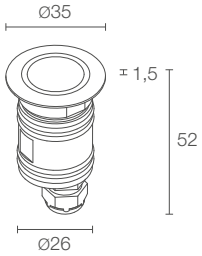
kg 0.48 IP68 IK10

A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY **CODE**	**max 2W max 500mA** **CW1012 A I -**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 10° **M** - 20° **L** - 40° **D** - diffuse
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	88 lm (3000K, 500mA, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	not included, see p. 691 and 844
WIRING	series
MOUNTING	recessed (wall, ground) max depth 10 m
ACCESSORIES	see p. 690
NOTES	suitable for use out of water version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 738



BRIGHT 1.6 316L



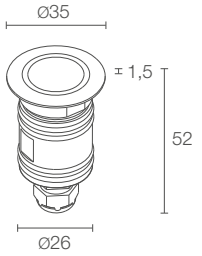
Ø 30 mm

kg 0.48 IP68 IK10

A A+ A++ IPS T max 50°C

	2W 24Vdc **CW1600** ■ ■ **I** - ■
■	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
■	**S** - 10° **M** - 20° **L** - 40° **D** - diffuse
■	includes 5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **2** - 10 m **3** - 15 m **4** - 20 m
	145 lm (3000K)
	88 lm (3000K, 20°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L95 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (optics version) screen in acid-etched, tempered extra-clear glass (diffuse version)
	not included, see p. 691
	parallel
	recessed (wall, ground) max depth 10 m
	see p. 690
	suitable for use out of water version with elliptical optics available on request
	see p. 738

BRIGHT 1.8 316L



Ø 30 mm

kg 0.48 IP68 IK10

A A+ A++ IPS T max 50°C

	1.2W 12Vdc **CW1800 6** ■ **I** - ■
	RGB
■	**DT** - diffuse transparent **DS** - diffuse sandblasted
■	includes 5 m neoprene cable 05RN-F 4x0.50/0.50 Ø6.3 mm **2** - 10 m **3** - 15 m **4** - 20 m
	15 lm, R: 4 lm G: 8 lm B: 3 lm
	11 lm, R: 3 lm G: 6 lm B: 2 lm (diffuse transparent optics)
	1 mid-power, full-colour LED 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass (diffuse transparent optics version) screen in acid-etched, tempered extra-clear glass (diffuse sandblasted optics version)
	not included, see p. 691
	parallel
	recessed (wall, ground) max depth 10 m
	see p. 690
	suitable for use out of water
	see p. 738



BRIGHT 2 316L

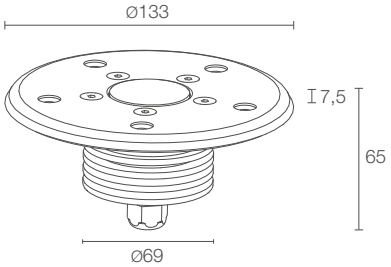
Project by / arch. Francesco Mancini
Corte Martinelli, Andria, Italy



BRIGHT 2.0 316L



Installation with accessory
for PVC liner

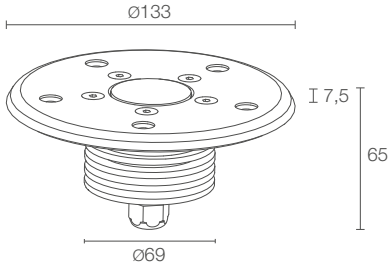


kg 1.60 IP68 IK10

A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY **CODE**	**max 6W max 500mA** **CW2032 A I**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **6** - RGB
OPTICS	**S** - 10° **M** - 24° **L** - 38°
LUMEN OUTPUT AT SOURCE	436 lm (3000K, 500mA) RGB: 277 lm, R: 102 lm G: 132 lm B: 43 lm (500mA)
DELIVERED LUMEN OUTPUT	314 lm (3000K, 500mA, 24°) RGB: 198 lm, R: 73 lm G: 94 lm B: 31 lm (500mA, 24°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 691 and 844
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	series
MOUNTING	recessed (wall, ground) max depth 10 m
ACCESSORIES	see p. 690
NOTES	suitable for use out of water version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 738

BRIGHT 2.6 316L

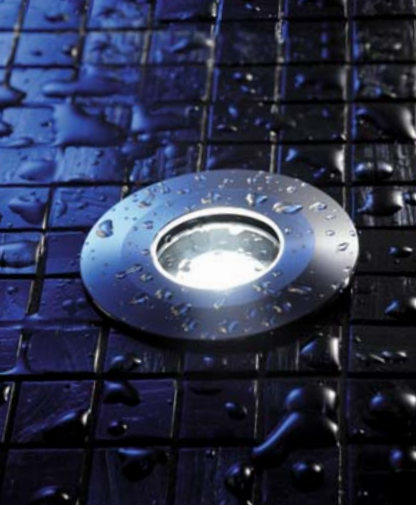


kg 1.60 IP68 IK10

A A+ A++ IPS T max 50°C

	6W 24Vdc **CW2600 I**
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	S - 10° **M** - 24° **L** - 38°
	436 lm (3000K)
	314 lm (3000K, 24°)
	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
	not included, see p. 691
	includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
	parallel
	recessed (wall, ground) max depth 10 m
	see p. 690
	suitable for use out of water version with elliptical optics available on request
	see p. 738

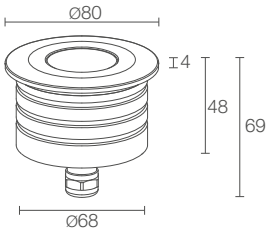




BRIGHT 3 316L



BRIGHT 3.0 316L



kg 1.15 IP68 IK10

A A+ A++ IPS T max 50°C

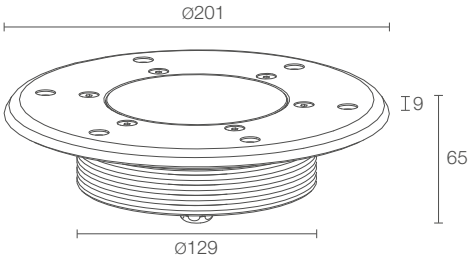
POWER / POWER SUPPLY CODE	7W 24Vdc white light **CW30000** ■ ■ **I** 9W 24Vdc white light **CW30010** ■ ■ **I** max 5W max 500mA RGB light **CW3032 6** ■ **I**	
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K	
■ **OPTICS**	**S** - 11° **M** - 34° **L** - 45° **K** - 68° **W** - 13°x52°	RGB: **S** - 20° **M** - 34° **L** - 45° **W** - 21°x42°
LUMEN OUTPUT AT SOURCE	683 lm (3000K, 7W) 845 lm (3000K, 9W) RGB: 253 lm, R: 82 lm G: 114 lm B: 57 lm (500mA)	
DELIVERED LUMEN OUTPUT	463 lm (3000K, 34°, 7W) 602 lm (3000K, 34°, 9W) RGB: 191 lm, R: 70 lm G: 90 lm B: 31 lm (500mA, 34°)	
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)	
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass	
POWER SUPPLY UNIT	not included, see p. 691	
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00/1.00 Ø7.0 mm RGB: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm	
WIRING	parallel RGB: series	
MOUNTING	recessed (wall, ground) max depth 10 m	
ACCESSORIES	see p. 690	
NOTES	suitable for use in sea water the 7W version and the RGB version can also be used out of the water	
PHOTOMETRIC DATA	see p. 739	



BRIGHT 5 316L



BRIGHT 5.0 316L





Installation with accessory for PVC liner

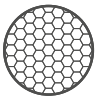
kg 3.50 IP68 IK09

A A+ A++ IPS T max 50°C

POWER / POWER SUPPLY CODE	12W 24Vdc blue/white light **CW5062 A I** 18W 24Vdc blue/white light **CW5092 A I** max 18W max 500mA RGB light **CW5092 6 A I**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 10° **M** - 20° **L** - 40°
LUMEN OUTPUT AT SOURCE	872 lm (3000K, 12W) 1308 lm (3000K, 18W) RGB: 785 lm, R: 288 lm G: 373 lm B: 124 lm (500mA)
DELIVERED LUMEN OUTPUT	590 lm (3000K, 20°, 12W) 885 lm (3000K, 20°, 18W) RGB: 561 lm, R: 206 lm G: 266 lm B: 89 lm (500mA, 20°)
NO. AND TYPE OF LED	6, 9 power LEDs, 1/4 ANSI BIN (white LED colour) RGB: 9 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 691
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	recessed (wall, ground) max depth 10 m
ACCESSORIES	see p. 690
NOTES	suitable for use out of water version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 739

BRIGHT 316L

ACCESSORIES AND POWER SUPPLY UNITS

	BRIGHT 1.0 316L	BRIGHT 1.6 316L	BRIGHT 1.8 316L	BRIGHT 2.0 316L	BRIGHT 2.6 316L	BRIGHT 3.0 316L	BRIGHT 5.0 316L
ANTI-GLARE ACCESSORIES							
 Honeycomb louvre built into the lighting fixture order together with the lighting fixture						**WH0201**	
ACCESSORIES FOR INSTALLATION							
 Outer casing	**WC5003**	**WC5003**	**WC5003**				
 Outer casing				**WC5002**	**WC5002**		
 Outer casing						**WC5004**	
 Outer casing						**WC5006**	
 Outer casing							**WC5005**
 Accessory for PVC liner				**WC5102**	**WC5102**		**WC5105**

for spare parts, see p. 866

POWER CABLES

to order the power cable, add the suffix -2, -3 or -4
to the code for the lighting fixture

-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

(Bright 2.0 316L / 2.6 316L / 5.0 316L)

-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x1.00/1.00 Ø7.0 mm IPS

(Bright 3.0 316L)

RGB

Cables in FEP+RUB (equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

(Bright 2.0 316L / 3.0 316L / 5.0 316L)

POWER SUPPLY UNITS Bright 1.0 316L

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
1/4	A14500IP67	20	845
2/5	A15500QL	20	845

POWER SUPPLY UNITS Bright 1.8 316L

Max no. fixtures	PSU	IP	Page
1...n	12Vdc	20	847
1...n	12Vdc	67	847
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Bright 2.0 316L

350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
-	RGB controller	-	855 - 860

500mA

Max no. fixtures	PSU	IP	Page
1	A13500TC	20	845
1	A14500IP67	67	845
-	RGB controller	-	855 - 860

POWER SUPPLY UNITS Bright 1.6 316L / 2.6 316L

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Bright 3.0 316L / 5.0 316L

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860



1 **MOBY P** p. 694 2 **SPOT 316L** p. 700

PROJECTORS

FOR UNDERWATER APPLICATIONS



MOBY P
see p. 694



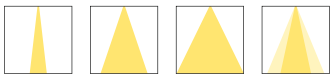
SPOT 316L
see p. 700

LIGHT COLOUR		2700K 3000K 4000K RGBW cyan	2700K 3000K 4000K 5000K blue RGB
POWER SUPPLY	**CONSTANT CURRENT** power supply unit not included		max 500mA (blue/white/RGB light)
	CONSTANT VOLTAGE power supply unit not included	24Vdc	24Vdc (blue/white light)
APPLIANCE CLASS		III	III
UNIQUE SELLING POINTS		glass cover with vitrified serigraphy	



MOBY P

PERMANENT UNDERWATER PROJECTORS
WHITE, RGBW AND CYAN LIGHTING SCENES IN FOUNTAINS



2700K 3000K 4000K RGBW cyan

	9W 24Vdc Ø105 mm	20W 24Vdc Ø155 mm	30W 24Vdc Ø193 mm
TRIM IN AISI 316L STAINLESS STEEL			
	MOBY P 1.0 p. 696	**MOBY P 2.0** p. 697	**MOBY P 3.0** p. 698
GLASS COVER WITH VITRIFIED SERIGRAPHY			
	MOBY P 1.1 p. 696	**MOBY P 2.1** p. 697	**MOBY P 3.1** p. 698

< **MOBY P 1.1**
3000K, 9W, 34°

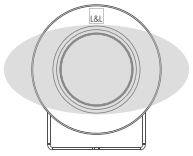
MOBY P 1



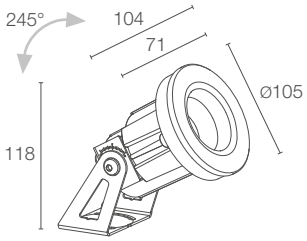
MOBY P 1.0

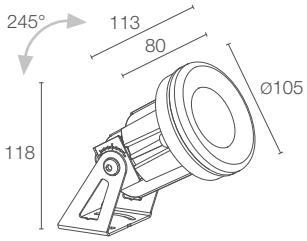


MOBY P 1.1



31°x64° optics





kg 1.35 IP68 IK10

A A+ A++ IPS NTC

kg 1.75 IP68 IK10

A A+ A++ IPS NTC

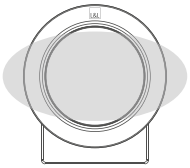
POWER / POWER SUPPLY	9W 24Vdc	9W 24Vdc
CODE	**MP1000** **I** Micro-blasted stainless steel	**MP1100** **V** Glass
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
OPTICS	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
LUMEN OUTPUT AT SOURCE	507 lm (3000K) RGBW: 295 lm, R: 47 lm G: 85 lm B: 24 lm W: 139 lm (4000K) cyan: 260 lm	507 lm (3000K) RGBW: 295 lm, R: 47 lm G: 85 lm B: 24 lm W: 139 lm (4000K) cyan: 260 lm
DELIVERED LUMEN OUTPUT	359 lm (3000K, 34°) RGBW: 208 lm, R: 33 lm G: 61 lm B: 16 lm W: 98 lm (4000K, 34°) cyan: 184 lm (34°)	359 lm (3000K, 34°) RGBW: 208 lm, R: 33 lm G: 61 lm B: 16 lm W: 98 lm (4000K, 34°) cyan: 184 lm (34°)
NO. AND TYPE OF LED	1 power LED group, 2-step MacAdam RGBW: 1 RGBW LED group cyan: 1 cyan power LED group 50000h L90 B10 (Ta 25°C)	1 power LED group, 2-step MacAdam RGBW: 1 RGBW LED group cyan: 1 cyan power LED group 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel bracket in AISI 316L stainless steel screen in tempered, transparent extra-clear glass	body in thermally conductive plastic bracket in AISI 316L stainless steel glass cover with vitrified serigraphy
POWER SUPPLY UNIT	not included, see p. 699	not included, see p. 699
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
MOUNTING	surface mounted (wall, ground) max depth 10 m	surface mounted (wall, ground) max depth 10 m
ACCESSORIES	see p. 699	see p. 699
NOTES	not suitable for use in salt water only suitable for underwater applications recessed version: Moby 1.0, p. 676	not suitable for use in salt water only suitable for underwater applications recessed version: Moby 1.1, p. 676
PHOTOMETRIC DATA	see p. 787	see p. 787

MOBY P 2

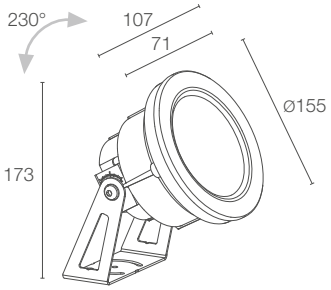




MOBY P 2.0



31°x64° optics

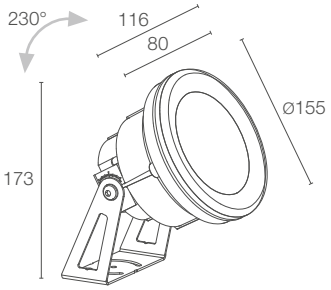


kg 1.55 IP68 IK10

A A+ A++ IPS NTC

POWER / POWER SUPPLY **CODE**	20W 24Vdc **MP2000** ■ ■ **I** Micro-blasted stainless steel
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■ **OPTICS**	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
LUMEN OUTPUT AT SOURCE	1522 lm (3000K) RGBW: 884 lm, R: 138 lm G: 259 lm B: 69 lm W: 418 lm (4000K) cyan: 782 lm
DELIVERED LUMEN OUTPUT	1078 lm (3000K, 34°) RGBW: 626 lm, R: 97 lm G: 184 lm B: 48 lm W: 297 lm (4000K, 34°) cyan: 552 lm (34°)
NO. AND TYPE OF LED	3 power LED groups, 2-step MacAdam RGBW: 3 RGBW LED groups cyan: 3 cyan power LED groups 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel bracket in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 699
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
MOUNTING	surface mounted (wall, ground) max depth 10 m
ACCESSORIES	see p. 699
NOTES	not suitable for use in salt water only suitable for underwater applications recessed version: Moby 2.0, p. 677
PHOTOMETRIC DATA	see p. 787

MOBY P 2.1



kg 2.20 IP68 IK10

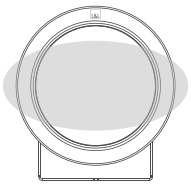
A A+ A++ IPS NTC

	20W 24Vdc **MP2100** ■ ■ **V** Glass
■	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
	1522 lm (3000K) RGBW: 884 lm, R: 138 lm G: 259 lm B: 69 lm W: 418 lm (4000K) cyan: 782 lm
	1078 lm (3000K, 34°) RGBW: 626 lm, R: 97 lm G: 184 lm B: 48 lm W: 297 lm (4000K, 34°) cyan: 552 lm (34°)
	3 power LED groups, 2-step MacAdam RGBW: 3 RGBW LED groups cyan: 3 cyan power LED groups 50000h L90 B10 (Ta 25°C)
	body in thermally conductive plastic bracket in AISI 316L stainless steel glass cover with vitrified serigraphy
	not included, see p. 699
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
	surface mounted (wall, ground) max depth 10 m
	see p. 699
	not suitable for use in salt water only suitable for underwater applications recessed version: Moby 2.1, p. 677
	see p. 787

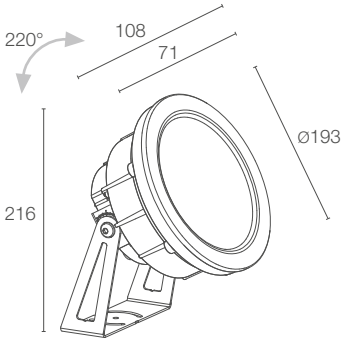
MOBY P 3



MOBY P 3.0



31°x64° optics



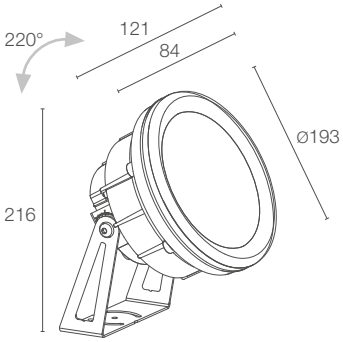
kg 2.66 IP68 IK10

A A+ A++ IPS NTC

POWER / POWER SUPPLY **CODE**	30W 24Vdc **MP3000** ■ ■ **I** Micro-blasted stainless steel
■ **LED COLOUR**	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■ **OPTICS**	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
LUMEN OUTPUT AT SOURCE	2537 lm (3000K) RGBW: 1474 lm, R: 231 lm G: 432 lm B: 118 lm W: 693 lm (4000K) cyan: 1303 lm
DELIVERED LUMEN OUTPUT	1876 lm (3000K, 34°) RGBW: 1090 lm, R: 171 lm G: 319 lm B: 87 lm W: 513 lm (4000K, 34°) cyan: 961 lm (34°)
NO. AND TYPE OF LED	5 power LED groups, 2-step MacAdam RGBW: 5 RGBW LED groups cyan: 5 cyan power LED groups 50000h L90 B10 (Ta 25°C)
MATERIAL	body in thermally conductive plastic trim in AISI 316L stainless steel bracket in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 699
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
MOUNTING	surface mounted (wall, ground) max depth 10 m
NOTES	not suitable for use in salt water only suitable for underwater applications recessed version: Moby 3.0, p. 679
PHOTOMETRIC DATA	see p. 787



MOBY P 3.1



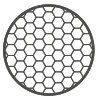
kg 3.50 IP68 IK10

A A+ A++ IPS NTC

	30W 24Vdc **MP3100** ■ ■ **V** Glass
■	**F** - 2700K **5** - 3000K **9** - 4000K **7** - RGBW **Y** - shades of cyan
■	**S** - 22° **M** - 34° **L** - 62° **W** - 31°x64°
	2537 lm (3000K) RGBW: 1474 lm, R: 231 lm G: 432 lm B: 118 lm W: 693 lm (4000K) cyan: 1303 lm
	1876 lm (3000K, 34°) RGBW: 1090 lm, R: 171 lm G: 319 lm B: 87 lm W: 513 lm (4000K, 34°) cyan: 961 lm (34°)
	5 power LED groups, 2-step MacAdam RGBW: 5 RGBW LED groups cyan: 5 cyan power LED groups 50000h L90 B10 (Ta 25°C)
	body in thermally conductive plastic bracket in AISI 316L stainless steel cover in glass with vitrified serigraphy
	not included, see p. 699
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGBW, cyan: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50 Ø6.3 mm
	surface mounted (wall, ground) max depth 10 m
	not suitable for use in salt water only suitable for underwater applications recessed version: Moby 3.1, p. 679
	see p. 787

MOBY P

ACCESSORIES AND POWER SUPPLY UNITS

	MOBY P 1.0	MOBY P 1.1	MOBY P 2.0	MOBY P 2.1	MOBY P 3.0	MOBY P 3.1
ANTI-GLARE ACCESSORIES						
	**WH0401**	**WH0401**	**WH0402**	**WH0402**	**WH0403**	**WH0403**
Honeycomb louvre built into the lighting fixture						
order together with the lighting fixture						

POWER SUPPLY UNITS

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGBW controller	-	855 - 860
-	Cyan controller	-	855 - 860

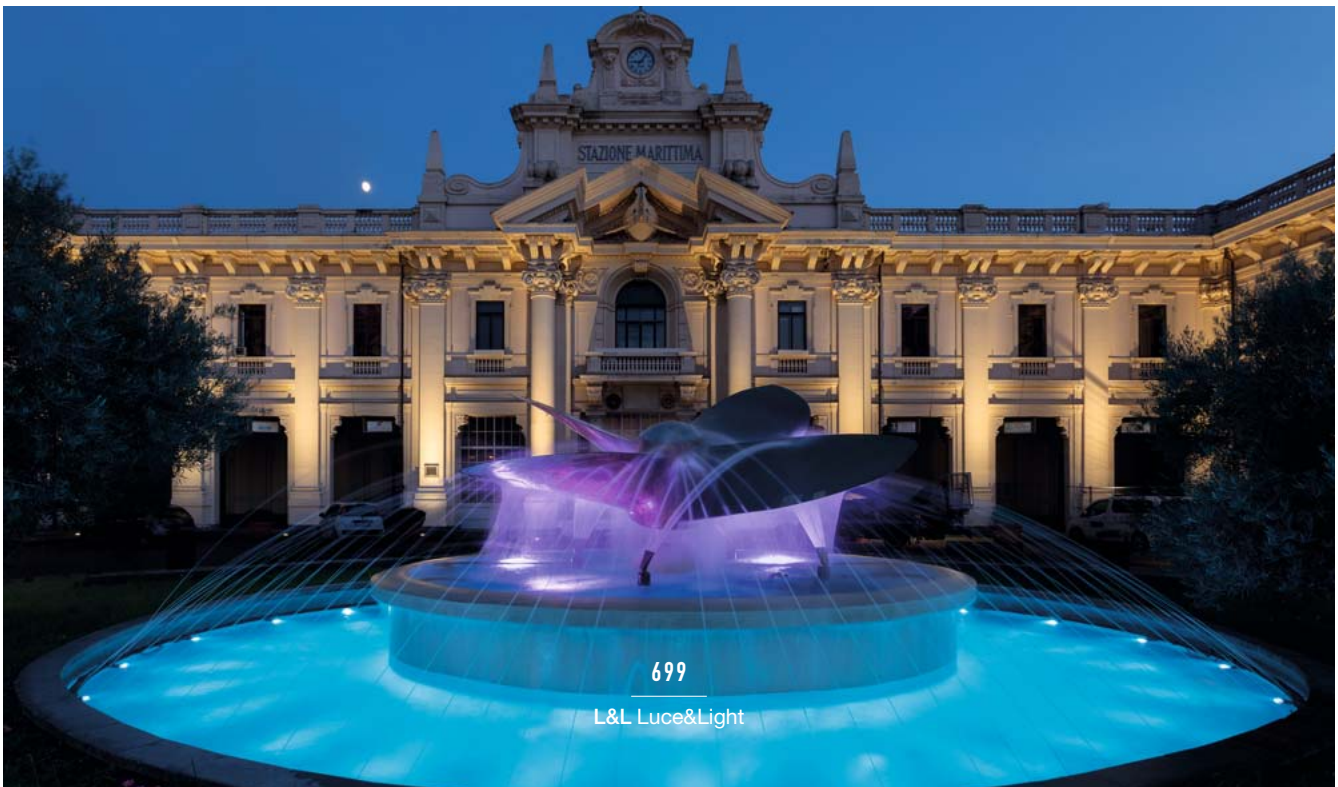
v

MOBY P 1.1
RGBW, 9W, 31°X64°

MOBY P 2.1
RGBW, 20W, 62°

STRA 3.0
3000K, 25W, 30°+14°

Light planning / Studio Luce, Gruppo Sacchi
Photo by / Alessio Tamborini
Stazione marittima, Genoa, Italy





SPOT 316L

OUTDOOR AND UNDERWATER PROJECTORS
FOUNDATIONS AND HARSH ENVIRONMENTS



2700K 3000K 4000K 5000K blue

	COVER Ø30 mm	COVER Ø69 mm	COVER Ø124 mm
CONSTANT CURRENT	 **SPOT 1.0 316L** p. 702 max 2W max 500mA	 **SPOT 2.0 316L** p. 703 max 6W max 500mA RGB	
CONSTANT VOLTAGE	 **SPOT 1.6 316L** p. 702 2W 24Vdc	 **SPOT 2.6 316L** p. 703 6W 24Vdc	
WHITE AND BLUE LIGHT: CONSTANT VOLTAGE **RGB LIGHT: CONSTANT CURRENT**			 **SPOT 3.0 316L** p. 704 12W/18W 24Vdc RGB: max 18W max 500mA RGB

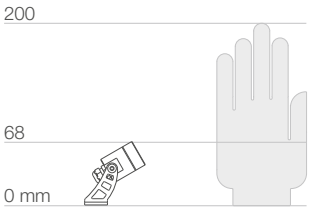
< **SPOT 3.0 316L**
3000K, 12W, 40°

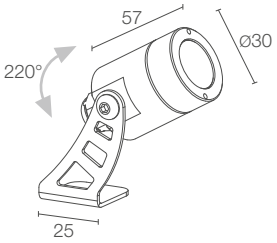
Light planning by / Ing. Paolo Saracino
and Ing. Donato Saracino
Grotta Zinzulusa, Castro Marina, Lecce, Italy

SPOT 1 316L



SPOT 1.0 316L



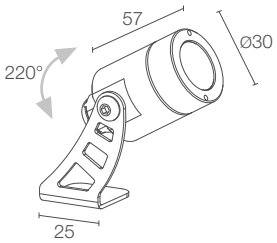


kg 0.48 IP68 IK10

A A+ A++ IPS

POWER / POWER SUPPLY **CODE**	**max 2W max 500mA** **PW1012 A I -**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 10° **M** - 20° **L** - 40°
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **2** - 10 m **3** - 15 m **4** - 20 m
LUMEN OUTPUT AT SOURCE	145 lm (3000K, 500mA)
DELIVERED LUMEN OUTPUT	88 lm (3000K, 500mA, 20°)
NO. AND TYPE OF LED	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent glass
POWER SUPPLY UNIT	not included, see p. 706 and 844
WIRING	**series**
MOUNTING	surface mounted (ceiling, wall, ground, spike) max depth 10 m
ACCESSORIES	see p. 706
NOTES	suitable for use out of water version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 820

SPOT 1.6 316L



kg 0.48 IP68 IK10

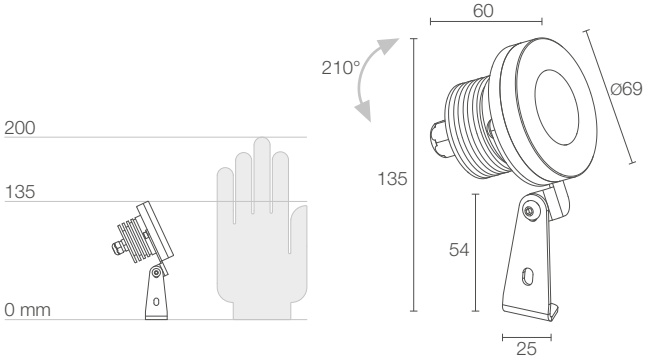
A A+ A++ IPS

	2W 24Vdc **PW1600 I -**
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	S - 10° **M** - 20° **L** - 40°
	includes 5 m neoprene cable H05RN-F 2x0.35/0.75 Ø6.3 mm **2** - 10 m **3** - 15 m **4** - 20 m
	145 lm (3000K)
	88 lm (3000K, 20°)
	1 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent glass
	not included, see p. 706
	parallel
	surface mounted (ceiling, wall, ground, spike) max depth 10 m
	see p. 706
	suitable for use out of water version with elliptical optics available on request
	see p. 820

SPOT 2 316L



SPOT 2.0 316L

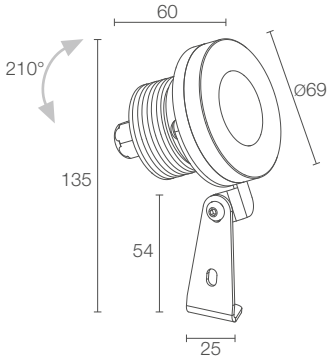


kg 1.00 IP68 IK10

A A+ A++ IPS

POWER / POWER SUPPLY	**max 6W max 500mA**
CODE	**PW2032 A I**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue **6** - RGB
OPTICS	**S** - 10° **M** - 24° **L** - 38°
LUMEN OUTPUT AT SOURCE	436 lm (3000K, 500mA) RGB: 277 lm, R: 102 lm G: 132 lm B: 43 lm (500mA)
DELIVERED LUMEN OUTPUT	314 lm (3000K, 500mA, 24°) RGB: 198 lm, R: 73 lm G: 94 lm B: 31 lm (500mA, 24°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 706 and 844
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	**series**
MOUNTING	surface mounted (ceiling, wall, ground, spike) max depth 10 m
ACCESSORIES	see p. 706
NOTES	suitable for use out of water version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 820

SPOT 2.6 316L



kg 1.00 IP68 IK10

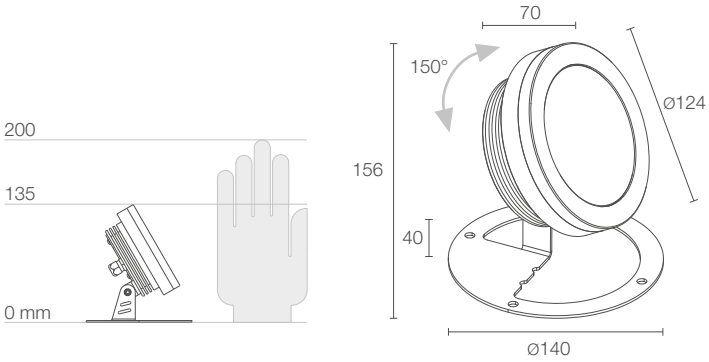
A A+ A++ IPS

	6W 24Vdc
	PW2600 I
	F - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
	S - 10° **M** - 24° **L** - 38°
	436 lm (3000K)
	314 lm (3000K, 24°)
	3 power LED 1/4 ANSI BIN (white LED colour) 50000h L90 B10 (Ta 25°C)
	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
	not included, see p. 706
	includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm
	parallel
	surface mounted (ceiling, wall, ground, spike) max depth 10 m
	see p. 706
	suitable for use out of water version with elliptical optics available on request
	see p. 820

Light planning by / Garofoli
Bari Palese airport, Bari, Italy



SPOT 3.0 316L



kg 3.05 IP68 IK09

A A+ A++ IPS

POWER / POWER SUPPLY CODE	12W 24Vdc blue/white light **PW3062 A I** 18W 24Vdc blue/white light **PW3092 A I** max 18W max 500mA RGB light **PW3092 6 A I**
LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K **0** - 5000K **1** - blue
OPTICS	**S** - 10° **M** - 20° **L** - 40°
LUMEN OUTPUT AT SOURCE	872 lm (3000K, 12W) 1308 lm (3000K, 18W) RGB: 791 lm, R: 291 lm G: 375 lm B: 125 lm (500mA)
DELIVERED LUMEN OUTPUT	596 lm (3000K, 20°, 12W) 893 lm (3000K, 20°, 18W) RGB: 565 lm, R: 208 lm G: 268 lm B: 89 lm (500mA, 20°)
NO. AND TYPE OF LED	6, 9 power LEDs, 1/4 ANSI BIN (white LED colour) RGB: 9 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel screen in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	not included, see p. 706
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.75/0.75 Ø6.3 mm RGB: includes 5 m FEP+RUB cable (equivalent to H05RN-F) 6x0.50/0.50 Ø6.3 mm
WIRING	parallel RGB: series
MOUNTING	surface mounted (ceiling, wall, ground) max depth 10 m
ACCESSORIES	see p. 706
NOTES	suitable for use out of water version with elliptical optics available on request
PHOTOMETRIC DATA	see p. 820

SPOT 3 316L



SPOT 316L

Project by / LiV & 5M
Light planning by / Igor Pauška Studio
Otruševec Cave, Samobor, Croatia

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WP0100

Spike for installation in the ground

(Spot 1.0 316L / 1.6 316L /
2.0 316L / 2.6 316L)

POWER CABLES Spot 2.0 316L / 2.6 316L / 3.0 316L

to order the power cable, add the suffix -2, -3 or -4
to the code for the lighting fixture

-2 length 10 m
-3 length 15 m
-4 length 20 m

white LED colour

Neoprene cables
H05RN-F 2x0.75/0.75 Ø6.3 mm IPS

RGB

FEP+RUB cables (equivalent to H05RN-F)
6x0.50/0.50 Ø6.3 mm IPS

POWER SUPPLY UNITS Spot 1.0 316L

350mA

Max no. fixtures	PSU	IP	Page
1/3	A13350VL	20	845
2/5	A16350IP67	67	845

500mA

Max no. fixtures	PSU	IP	Page
1/3	A13500TC	20	845
2/5	A15500QL	20	845
1/4	A14500IP67	67	845

POWER SUPPLY UNITS Spot 2.0 316L

350mA

Max no. fixtures	PSU	IP	Page
1	A13350VL	20	845
1/2	A16350IP67	67	845
-	RGB controller	-	855 - 860

500mA

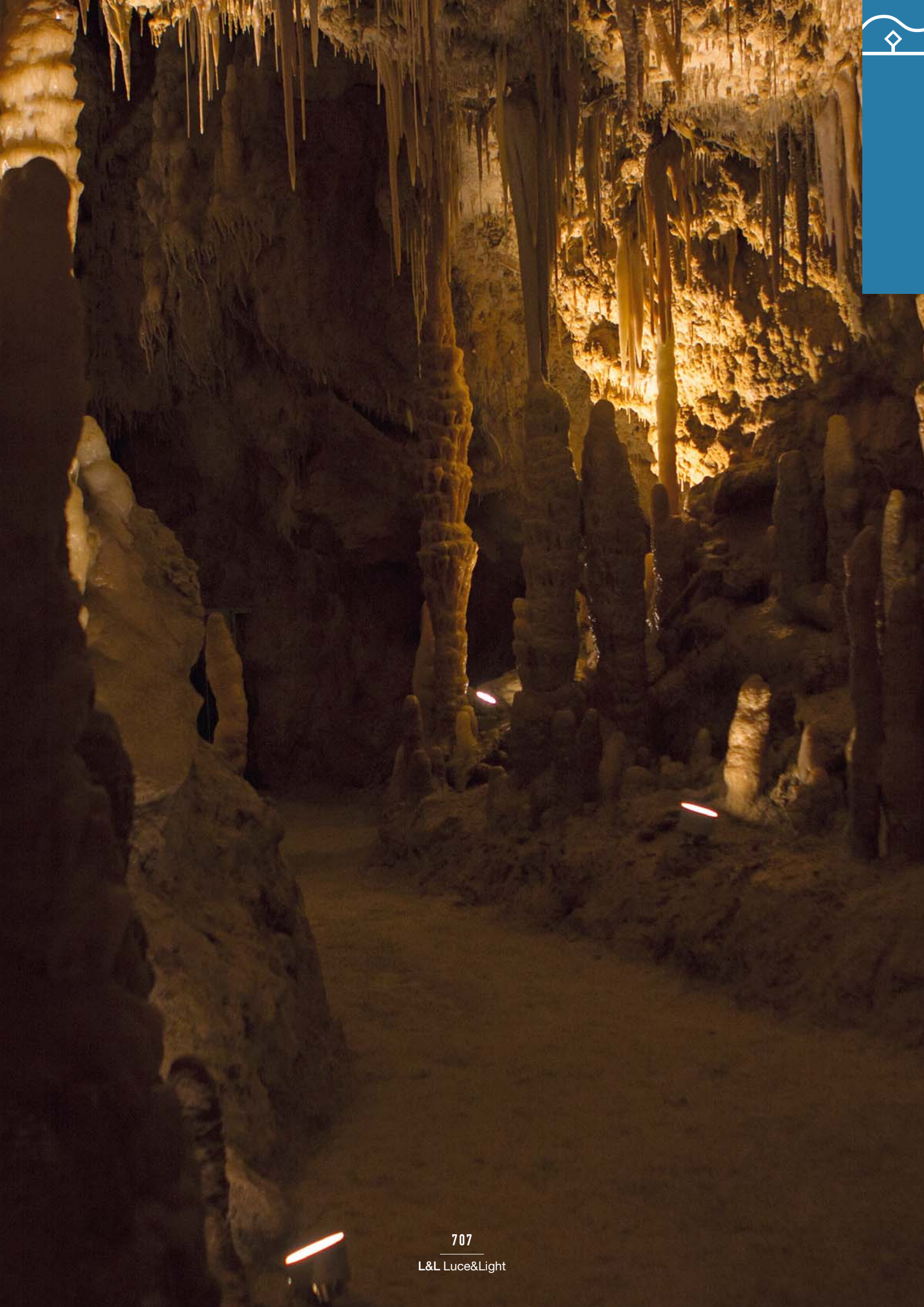
Max no. fixtures	PSU	IP	Page
1	A15500QL	20	845
1	A14500IP67	67	845
-	RGB controller	-	855 - 860

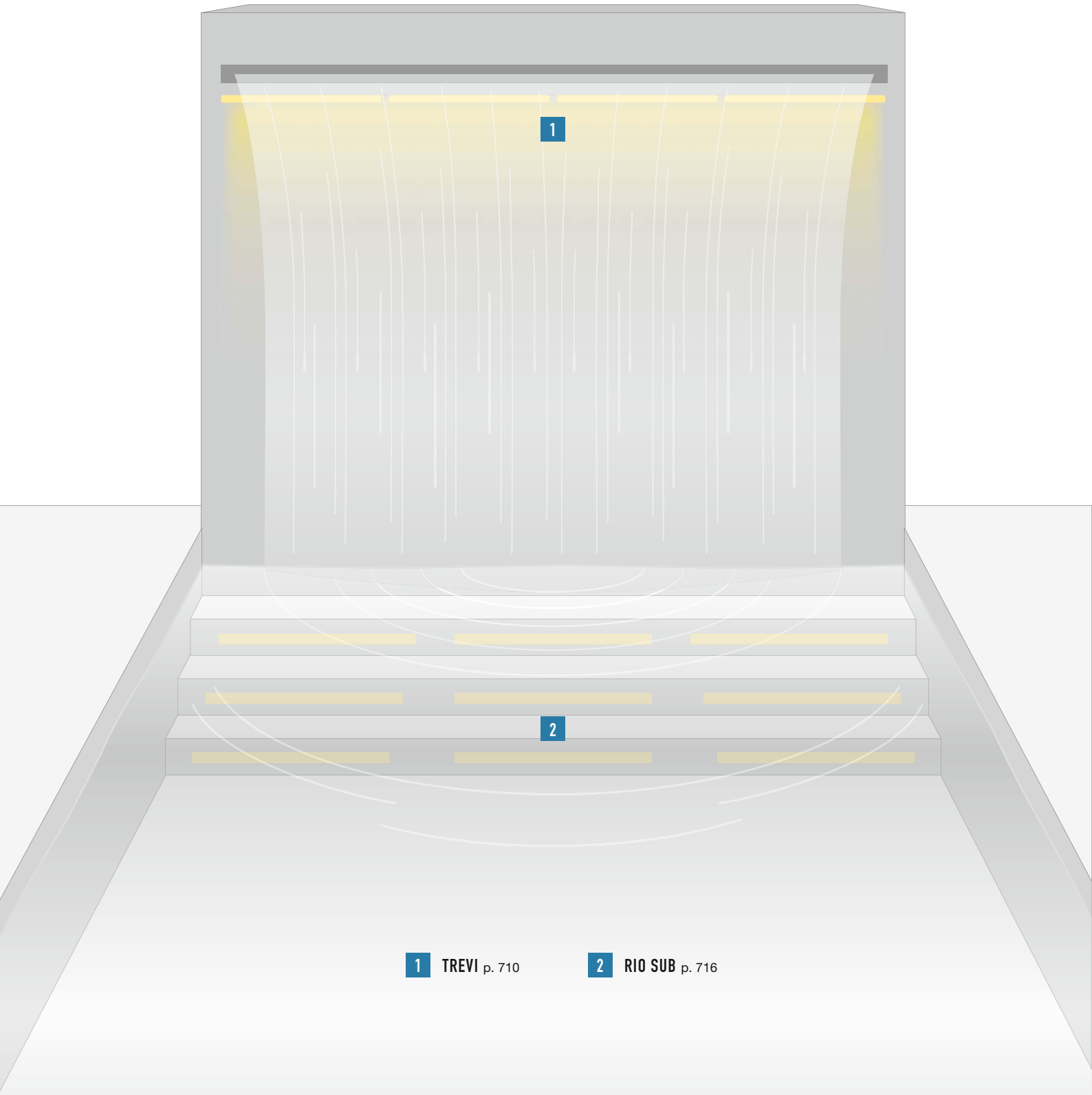
POWER SUPPLY UNITS Spot 1.6 316L / 2.6 316L

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847

POWER SUPPLY UNITS Spot 3.0 316L

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860





1 **TREVI** p. 710

2 **RIO SUB** p. 716

LINEAR PROFILES

FOR UNDERWATER APPLICATIONS



TREVI
see p. 710



RIO SUB
see p. 716

MOUNTING	RECESSED		•
	SURFACE MOUNTED WITH BRACKETS	•	
BEAM	DIFFUSE VERSION	•	•
	OPTICS VERSION	•	
LIGHT COLOUR		2700K 3000K 4000K RGB	2600K 2800K 3700K RGB
POWER SUPPLY	CONSTANT VOLTAGE power supply unit not included	24Vdc	24Vdc
PITCH		100	
APPLIANCE CLASS		III	III



TREVI

OUTDOOR AND UNDERWATER LINEAR PROFILES
DIFFUSE LIGHT OR WITH OPTICS IN POOLS AND FOUNTAINS





2700K 3000K 4000K RGB

613 mm	**TREVI 1.0** p. 712 white light: 7W 24Vdc (optics version) white light: 10W 24Vdc (diffuse version) RGB light: 11W 24Vdc (diffuse version)
1208 mm	**TREVI 1.1** p. 713 white light: 14W 24Vdc (optics version) white light: 21W 24Vdc (diffuse version) RGB light: 24W 24Vdc (diffuse version)
1803 mm	**TREVI 1.2** p. 713 white light: 21W 24Vdc (optics version) white light: 32W 24Vdc (diffuse version) RGB light: 37W 24Vdc (diffuse version)

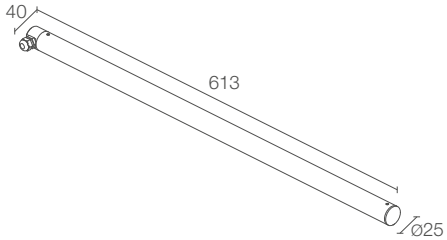
< TREVI 1.0
3000K, 7W, 40°



^
TREVI 1.2
3000K, 32W, diffuse

Project and light planning by / traverso-vighy architetti
Photo by / Alessandra Chemollo
Corte Bertesina, Vicenza, Italy

TREVI 1.0



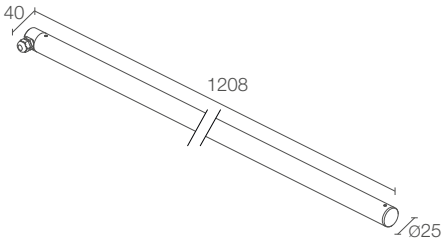
kg 0.40 IP68 IK10

A A+ A++ IPS

POWER / POWER SUPPLY	7W 24Vdc white light 613 mm pitch 100 10W 24Vdc white light 613 mm diffuse
CODE	**TR1000 ■ ■ A** 11W 24Vdc RGB light 613 mm diffuse **TR1000 6 D A**
■ LED COLOUR	**F** - 2700K **5** - 3000K **9** - 4000K
■ OPTICS	**M** - 40° **L** - 65° **W** - 20°x50° **D** - diffuse
LUMEN OUTPUT AT SOURCE	619 lm (3000K, optics version) 1092 lm (3000K, diffuse version) RGB: 526 lm, R: 118 lm G: 336 lm B: 72 lm (diffuse version)
DELIVERED LUMEN OUTPUT	504 lm (3000K, 40°) 548 lm (3000K, diffuse optics) RGB: 376 lm, R: 84 lm G: 240 lm B: 52 lm (diffuse optics)
NO. AND TYPE OF LED	6 power LEDs, pitch 100, 1/4 ANSI BIN (optics version) 78 mid-power LEDs, 3-step MacAdam (diffuse version) RGB: 42 low-power, full-colour LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	screen in transparent polycarbonate (optics version) screen in opal polycarbonate (diffuse version) end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 714
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
MOUNTING	surface mounted (ceiling, wall, ground)
ACCESSORIES	see p. 714
NOTES	available on request in the following versions: 313 mm and 4W power (optics version) 313 mm and 5W power (diffuse version) 313 mm and 5W power (RGB version)
PHOTOMETRIC DATA	see p. 830



TREVI 1.1

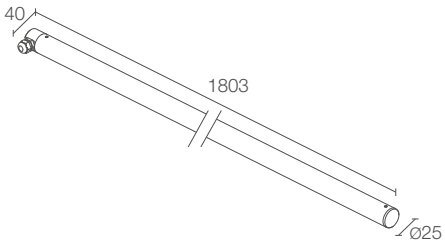


kg 0.80 IP68 IK10

A A+ A++ IPS

	14W 24Vdc white light 1208 mm pitch 100 21W 24Vdc white light 1208 mm diffuse **TR1100** ■ ■ **A** 24W 24Vdc RGB light 1208 mm diffuse **TR1100 6 D A**
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**M** - 40° **L** - 65° **W** - 20°x50° **D** - diffuse
	1237 lm (3000K, optics version) 2268 lm (3000K, diffuse version) RGB: 1100 lm, R: 245 lm G: 703 lm B: 152 lm (diffuse version)
	1008 lm (3000K, 40°) 1138 lm (3000K, diffuse optics) RGB: 786 lm, R: 175 lm G: 502 lm B: 109 lm (diffuse optics)
	12 power LEDs, pitch 100, 1/4 ANSI BIN (optics version) 162 mid-power LEDs, 3-step MacAdam (diffuse version) RGB: 90 low-power, full-colour LEDs 50000h L90 B10 (Ta 25°C)
	screen in transparent polycarbonate (optics version) screen in opal polycarbonate (diffuse version) end caps in AISI 316L stainless steel
	not included, see p. 714
	includes 5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground)
	see p. 714
	available on request in the following versions: 313 mm and 4W power (optics version) 313 mm and 5W power (diffuse version) 313 mm and 5W power (RGB version)
	see p. 830

TREVI 1.2



kg 2.10 IP68 IK10

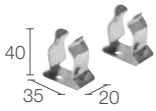
A A+ A++ IPS

	21W 24Vdc white light 1803 mm pitch 100 32W 24Vdc white light 1803 mm diffuse **TR1200** ■ ■ **A** 37W 24Vdc RGB light 1803 mm diffuse **TR1200 6 D A**
■	**F** - 2700K **5** - 3000K **9** - 4000K
■	**M** - 40° **L** - 65° **W** - 20°x50° **D** - diffuse
	1856 lm (3000K, optics version) 3444 lm (3000K, diffuse version) RGB: 1676 lm, R: 372 lm G: 1071 lm B: 233 lm (diffuse version)
	1512 lm (3000K, 40°) 1728 lm (3000K, diffuse optics) RGB: 1197 lm, R: 266 lm G: 765 lm B: 166 lm (diffuse optics)
	18 power LEDs, pitch 100, 1/4 ANSI BIN (optics version) 246 mid-power LEDs, 3-step MacAdam (diffuse version) RGB: 138 low-power, full-colour LEDs 50000h L90 B10 (Ta 25°C)
	screen in transparent polycarbonate (optics version) screen in opal polycarbonate (diffuse version) end caps in AISI 316L stainless steel
	not included, see p. 714
	includes 5 m neoprene cable H05RN-F 2x0.75 Ø6.3 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
	surface mounted (ceiling, wall, ground)
	see p. 714
	available on request in the following versions: 313 mm and 4W power (optics version) 313 mm and 5W power (diffuse version) 313 mm and 5W power (RGB version)
	see p. 830

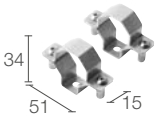
TREVI

ACCESSORIES AND POWER SUPPLY UNITS

ACCESSORIES FOR INSTALLATION



WM0501
Pair of clips



WM0502
Pair of tamper-resistant clips

POWER SUPPLY UNITS

Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860





RIO SUB

UNDERWATER LINEAR PROFILES
FOR RECESSED LINES OF LIGHT IN POOLS AND FOUNTAINS

diffuse

2600K 2800K 3700K RGB

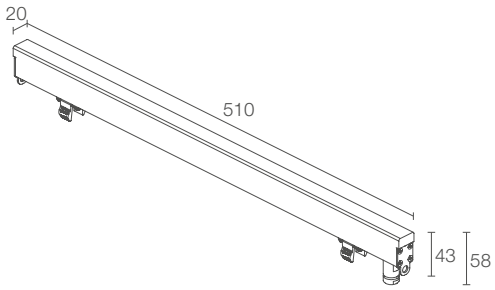
	WIDTH 20 mm	WIDTH 37 mm
510 mm	 **RIO SUB 1.1** p. 718 white light: 6W 24Vdc RGB light: 8.5W 24Vdc	 **RIO SUB 2.1** p. 719 white light: 10W 24Vdc RGB light: 8.5W 24Vdc
1010 mm	 **RIO SUB 1.2** p. 718 white light: 12W 24Vdc RGB light: 17W 24Vdc	 **RIO SUB 2.2** p. 719 white light: 19W 24Vdc RGB light: 17W 24Vdc

< RIO SUB 2.1
2800K, 10W

RIO SUB 1



RIO SUB 1.1

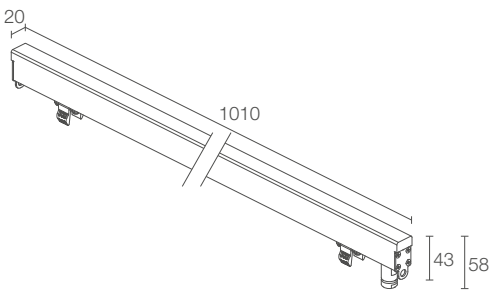


kg 0.74 IP68 IK10

A A+ A++ IPS T max 40°C

POWER / POWER SUPPLY	6W 24Vdc white light 510 mm 8.5W 24Vdc RGB light 510 mm
CODE	**RS1100 D B**
LED COLOUR	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	672 lm (2800K) RGB: 140 lm, R: 30 lm G: 90 lm B: 20 lm
DELIVERED LUMEN OUTPUT	140 lm (2800K) RGB: 100 lm, R: 22 lm G: 64 lm B: 14 lm
NO. AND TYPE OF LED	48 low-power SMD LEDs 3-step MacAdam RGB: full-colour SDM LEDs 50000h L95 B10 (Ta 25°C)
MATERIAL	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 720
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
MOUNTING	recessed (wall, ground) max depth 10 m
ACCESSORIES	see p. 720
PHOTOMETRIC DATA	see p. 804

RIO SUB 1.2



kg 1.47 IP68 IK10

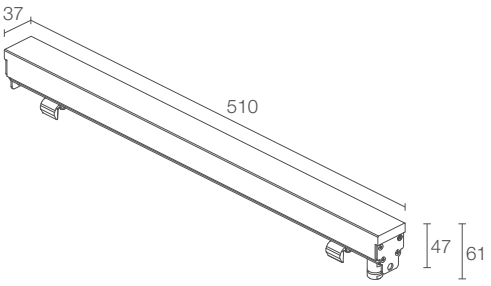
A A+ A++ IPS T max 40°C

	12W 24Vdc white light 1010 mm 17W 24Vdc RGB light 1010 mm
	RS1200 D B
	F - 2600K **5** - 2800K **9** - 3700K **6** - RGB
	diffuse
	1344 lm (2800K) RGB: 280 lm, R: 60 lm G: 180 lm B: 40 lm
	280 lm (2800K) RGB: 200 lm, R: 44 lm G: 128 lm B: 28 lm
	96 low-power SMD LEDs 3-step MacAdam RGB: full-colour SDM LEDs 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 720
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
	recessed (wall, ground) max depth 10 m
	see p. 720
	see p. 804

RIO SUB 2



RIO SUB 2.1

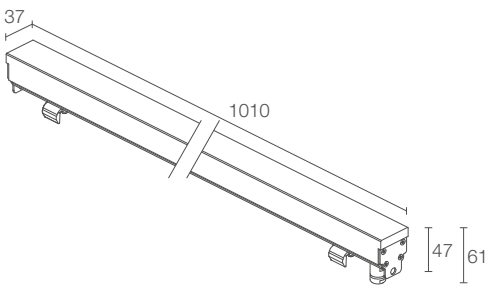


kg 1.37 IP68 IK10

A A+ A++ IPS T max 40°C

POWER / POWER SUPPLY	10W 24Vdc white light 510 mm 8.5W 24Vdc RGB light 510 mm
CODE	**RS2100 D B**
LED COLOUR	**F** - 2600K **5** - 2800K **9** - 3700K **6** - RGB
OPTICS	diffuse
LUMEN OUTPUT AT SOURCE	1056 lm (2800K) RGB: 140 lm, R: 30 lm G: 90 lm B: 20 lm
DELIVERED LUMEN OUTPUT	290 lm (2800K) RGB: 100 lm, R: 22 lm G: 64 lm B: 14 lm
NO. AND TYPE OF LED	96 low-power SMD LEDs 3-step MacAdam RGB: full-colour SDM LEDs 50000h L95 B10 (Ta 25°C)
MATERIAL	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
POWER SUPPLY UNIT	not included, see p. 720
POWER CABLES	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
MOUNTING	recessed (wall, ground) max depth 10 m
ACCESSORIES	see p. 720
PHOTOMETRIC DATA	see p. 804

RIO SUB 2.2



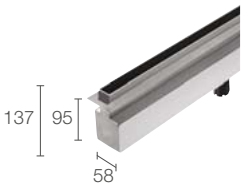
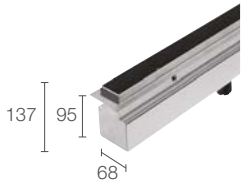
kg 2.72 IP68 IK10

A A+ A++ IPS T max 40°C

	19W 24Vdc white light 1010 mm 17W 24Vdc RGB light 1010 mm
	RS2200 D B
	F - 2600K **5** - 2800K **9** - 3700K **6** - RGB
	diffuse
	2112 lm (2800K) RGB: 280 lm, R: 60 lm G: 180 lm B: 40 lm
	580 lm (2800K) RGB: 200 lm, R: 44 lm G: 128 lm B: 28 lm
	192 low-power SMD LEDs 3-step MacAdam RGB: full-colour SDM LEDs 50000h L95 B10 (Ta 25°C)
	body in PMMA screen in opal PMMA end caps in AISI 316L stainless steel
	not included, see p. 720
	includes 5 m neoprene cable H05RN-F 2x1.00 Ø6.8 mm RGB: includes 5 m FEP+PCP cable (equivalent to H05RN-F) 4x0.50/0.50 Ø6.3 mm
	recessed (wall, ground) max depth 10 m
	see p. 720
	see p. 804

RIO SUB

ACCESSORIES AND POWER SUPPLY UNITS

	RIO SUB 1.1	RIO SUB 1.2	RIO SUB 2.1	RIO SUB 2.2
ACCESSORIES FOR INSTALLATION				
 Stainless steel outer casing	**WC8551** 545 mm	**WC8552** 1045 mm		
 Stainless steel outer casing			**WC8651** 545 mm	**WC8652** 1045 mm

POWER SUPPLY UNITS

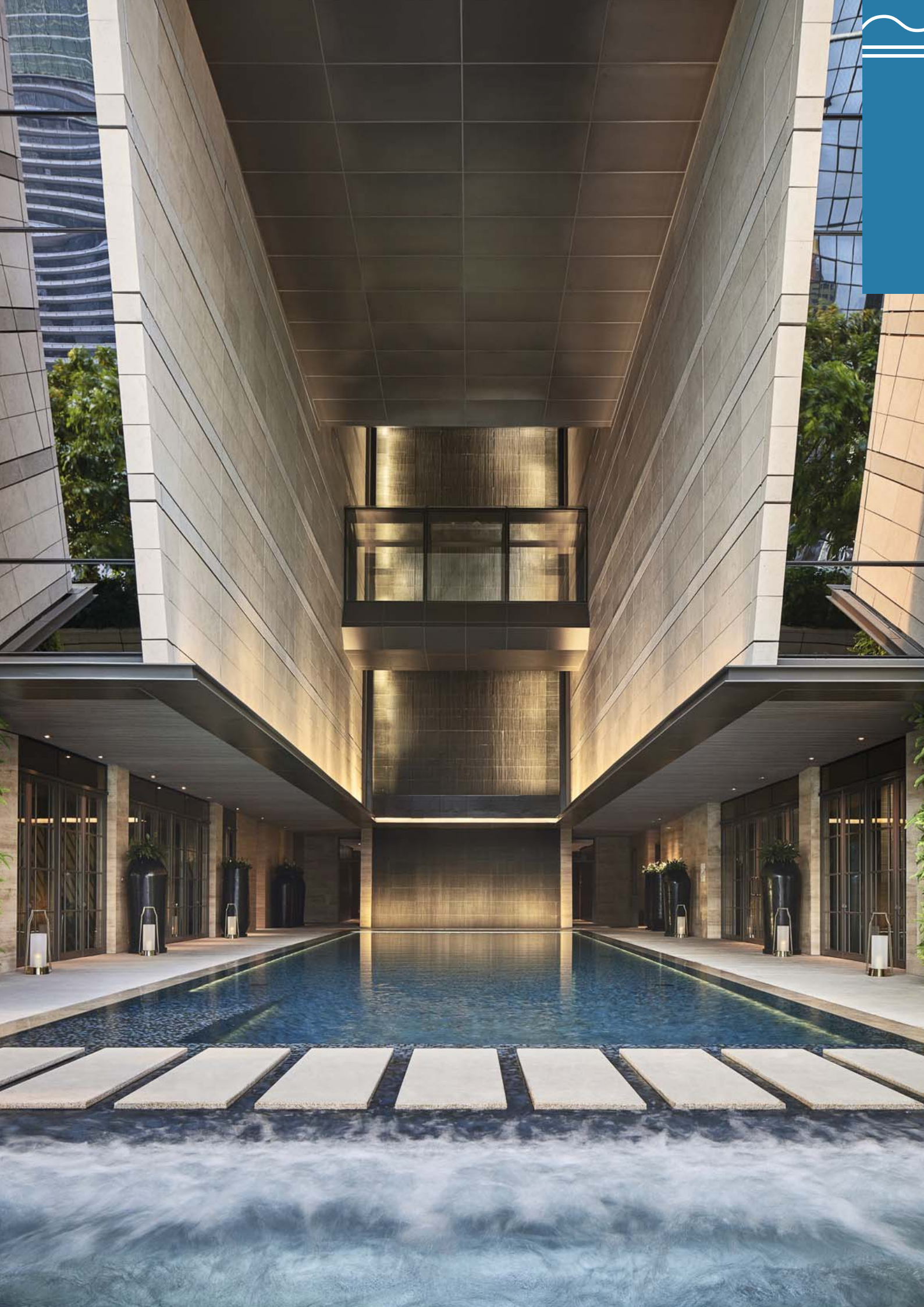
Max no. fixtures	PSU	IP	Page
1...n	24Vdc	20	847
1...n	24Vdc	67	847
-	RGB controller	-	855 - 860

RIO SUB 2 >
3700K, 19W/m, version with customized lengths and installation

Project by / KPF, Tandem Architects
Light planning by / Be Lit
Lighting supplier / Mosaic Eins
Rosewood Hotel, Bangkok, Thailand

v
RIO SUB 2.2
2800K, 19W
MOBY 1.1
RGBW, 9W, 62°





PHOTOMETRIC DATA

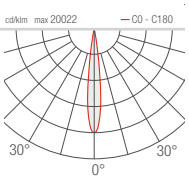
AKRO

OUTDOOR PROJECTORS

AKRO 1.0
1.1
1.2

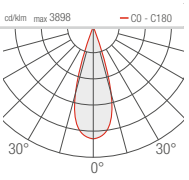
R1 - 13° (13°–32°) CRI 80

H (m)	Ø (m)	Lux max (3000K)
6,00	1,37	385
12,00	2,74	96
18,00	4,12	43
24,00	5,49	24
30,00	6,86	15



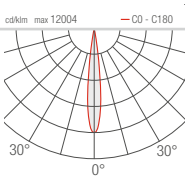
R1 - 32° (13°–32°) CRI 80

H (m)	Ø (m)	Lux max (3000K)
6,00	3,53	73
12,00	7,05	18
18,00	10,58	8
24,00	14,10	5
30,00	17,63	3



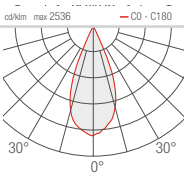
R2 - 16° (16°–42°) CRI 80

H (m)	Ø (m)	Lux max (3000K)
6,00	1,67	396
12,00	3,33	99
18,00	5,00	44
24,00	6,67	25
30,00	8,33	16



R2 - 42° (16°–42°) CRI 80

H (m)	Ø (m)	Lux max (3000K)
6,00	4,63	80
12,00	9,26	20
18,00	13,89	9
24,00	18,52	5
30,00	23,15	3



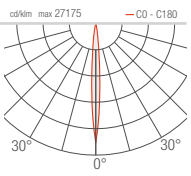
BEAM

OUTDOOR RECESSED

BEAM 1.0

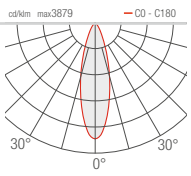
S - 8°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,14	3098
2,00	0,28	774
3,00	0,41	344
4,00	0,55	194
5,00	0,69	124



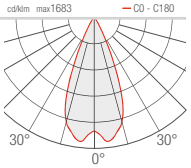
M - 26°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,46	415
2,00	0,92	104
3,00	1,39	46
4,00	1,85	26
5,00	2,31	17



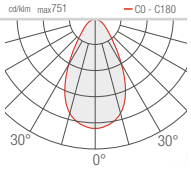
L - 44°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,80	202
2,00	1,61	51
3,00	2,41	22
4,00	3,21	13
5,00	4,02	8



D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
1,00	1,19	38
2,00	2,38	10
3,00	3,57	4
4,00	4,76	2
5,00	5,95	2

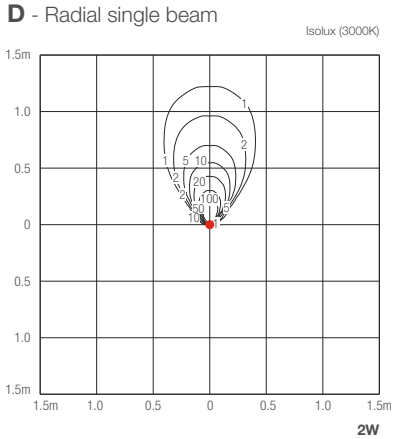


BEAM

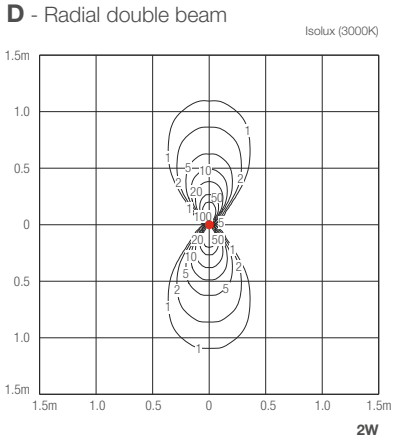
OUTDOOR STEP LIGHTS

BEAM 2.0
2.1
2.6
2.7

D - Radial single beam



D - Radial double beam



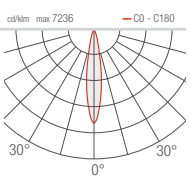
BITPOP

INDOOR RECESSED

BITPOP 1.0

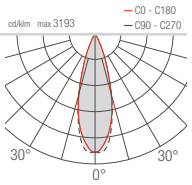
S - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	10414
1,00	0,31	2604
1,50	0,46	1157
2,00	0,62	651
2,50	0,77	417
3,00	1,24	290



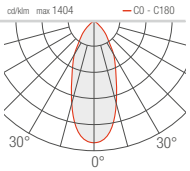
F - 30°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,28	4262
1,00	0,55	1066
1,50	0,83	474
2,00	1,10	266
2,50	1,38	170
3,00	2,20	118



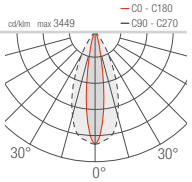
L - 42°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,39	1902
1,00	0,78	475
1,50	1,17	211
2,00	1,56	119
2,50	1,95	76
3,00	3,12	53



W - 17°x45°

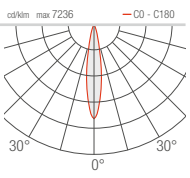
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,15	0,42	4874
1,00	0,30	0,83	1219
1,50	0,46	1,25	542
2,00	0,61	1,66	305
2,50	0,76	2,08	195
3,00	0,91	2,49	135



BITPOP 2.1

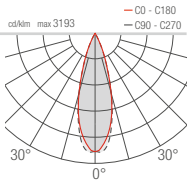
S - 17°

H (m)	Ø (m)	Lux max (3000K) 10W	15W
0,50	0,15	17142	24032
1,00	0,31	4286	6008
1,50	0,46	1904	2670
2,00	0,62	1071	1502
2,50	0,77	686	961
3,00	1,24	476	668



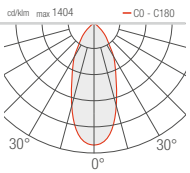
F - 30°

H (m)	Ø (m)	Lux max (3000K) 10W	15W
0,50	0,28	7016	9836
1,00	0,55	1754	2459
1,50	0,83	779	1093
2,00	1,10	439	615
2,50	1,38	281	393
3,00	2,20	194	273



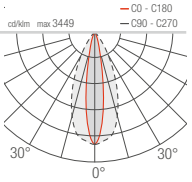
L - 42°

H (m)	Ø (m)	Lux max (3000K) 10W	15W
0,50	0,39	3131	4389
1,00	0,78	783	1097
1,50	1,17	348	488
2,00	1,56	196	274
2,50	1,95	125	175
3,00	3,12	87	122



W - 17°x45°

H (m)	Ø (m)	Ø (m)	Lux max (3000K) 10W	15W
0,50	0,15	0,42	8023	11248
1,00	0,30	0,83	2006	2812
1,50	0,46	1,25	891	1250
2,00	0,61	1,66	502	703
2,50	0,76	2,08	321	450
3,00	0,91	2,49	223	312

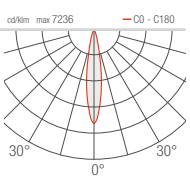


BITPOP 2.2 4.1

S - 17°

Lux max (3000K)

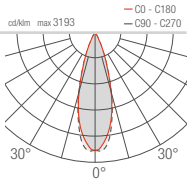
H (m)	Ø (m)	18W	26W
0,50	0,15	30856	41656
1,00	0,31	7714	10414
1,50	0,46	3428	4628
2,00	0,62	1929	2604
2,50	0,77	1234	1666
3,00	1,24	857	1157



F - 30°

Lux max (3000K)

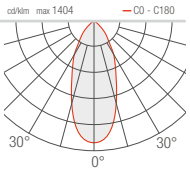
H (m)	Ø (m)	18W	26W
0,50	0,28	12629	17049
1,00	0,55	3157	4262
1,50	0,83	1403	1894
2,00	1,10	790	1066
2,50	1,38	505	682
3,00	2,20	350	473



L - 42°

Lux max (3000K)

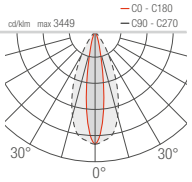
H (m)	Ø (m)	18W	26W
0,50	0,39	5635	7608
1,00	0,78	1409	1902
1,50	1,17	626	845
2,00	1,56	352	475
2,50	1,95	225	304
3,00	3,12	156	211



W - 17°x45°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	18W	26W
0,50	0,15	0,42	14442	19497
1,00	0,30	0,83	3610	4874
1,50	0,46	1,25	1604	2166
2,00	0,61	1,66	903	1219
2,50	0,76	2,08	578	780
3,00	0,91	2,49	401	541

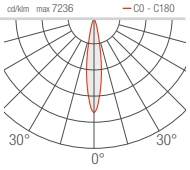


BITPOP 8.1

S - 17°

Lux max (3000K)

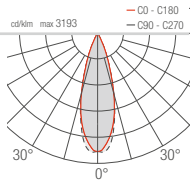
H (m)	Ø (m)	35W	50W
0,50	0,15	60748	86783
1,00	0,31	15190	21700
1,50	0,46	6749	9642
2,00	0,62	3798	5425
2,50	0,77	2433	3475
3,00	1,24	1692	2417



F - 30°

Lux max (3000K)

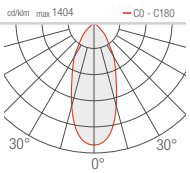
H (m)	Ø (m)	35W	50W
0,50	0,28	24862	35517
1,00	0,55	6218	8883
1,50	0,83	2765	3950
2,00	1,10	1552	2217
2,50	1,38	992	1417
3,00	2,20	688	983



L - 42°

Lux max (3000K)

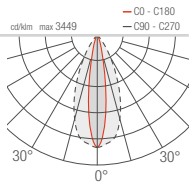
H (m)	Ø (m)	35W	50W
0,50	0,39	11095	15850
1,00	0,78	2771	3958
1,50	1,17	1231	1758
2,00	1,56	694	992
2,50	1,95	443	633
3,00	3,12	309	442



W - 17°x45°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	35W	50W
0,50	0,15	0,42	28432	40617
1,00	0,30	0,83	7111	10158
1,50	0,46	1,25	3162	4517
2,00	0,61	1,66	1779	2542
2,50	0,76	2,08	1138	1625
3,00	0,91	2,49	788	1125



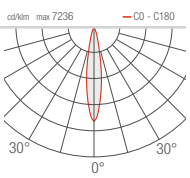
BITPOP C

INDOOR CEILING MOUNTED

BITPOP C 1.0

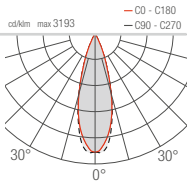
S - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	10414
1,00	0,31	2604
1,50	0,46	1157
2,00	0,62	651
2,50	0,77	417
3,00	1,24	290



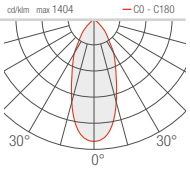
F - 30°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,28	4262
1,00	0,55	1066
1,50	0,83	474
2,00	1,10	266
2,50	1,38	170
3,00	2,20	118



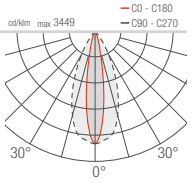
L - 42°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,39	1902
1,00	0,78	475
1,50	1,17	211
2,00	1,56	119
2,50	1,95	76
3,00	3,12	53



W - 17°x45°

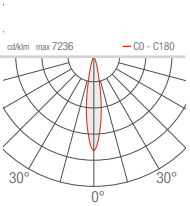
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,15	0,42	4874
1,00	0,30	0,83	1219
1,50	0,46	1,25	542
2,00	0,61	1,66	305
2,50	0,76	2,08	195
3,00	0,91	2,49	135



BITPOP C 2.2 4.1

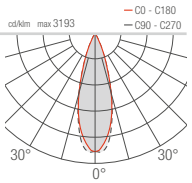
S - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	30856
1,00	0,31	7714
1,50	0,46	3428
2,00	0,62	1929
2,50	0,77	1234
3,00	1,24	857



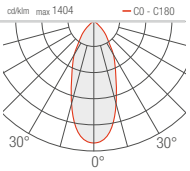
F - 30°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,28	12629
1,00	0,55	3157
1,50	0,83	1403
2,00	1,10	790
2,50	1,38	505
3,00	2,20	350



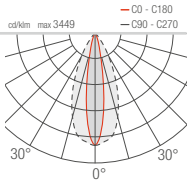
L - 42°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,39	5635
1,00	0,78	1409
1,50	1,17	626
2,00	1,56	352
2,50	1,95	225
3,00	3,12	156



W - 17°x45°

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,15	0,42	14442
1,00	0,30	0,83	3610
1,50	0,46	1,25	1604
2,00	0,61	1,66	903
2,50	0,76	2,08	578
3,00	0,91	2,49	401

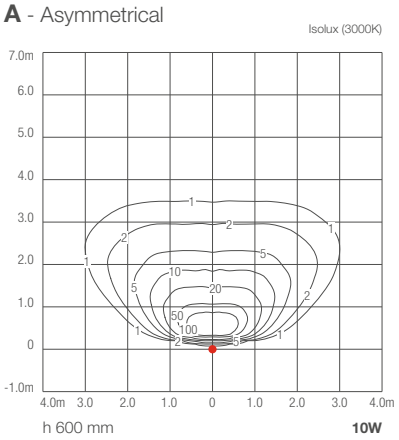


BITTA

OUTDOOR BOLLARDS

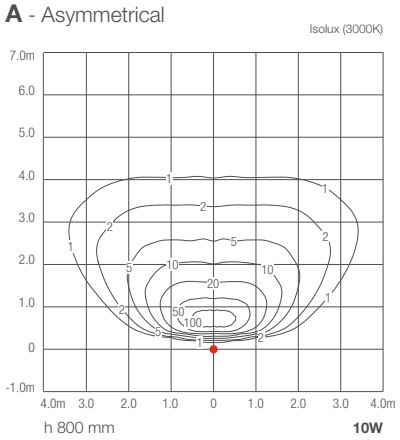
BITTA 1.0

A - Asymmetrical



h 600 mm **10W**

A - Asymmetrical



h 800 mm **10W**

BRENTA

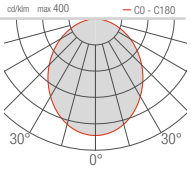
INDOOR LINEAR PROFILES

BRENTA 1

Diffuse
flush installation - 562 mm

Lux max (3000K) cd/klm max 400 — C0 - C180

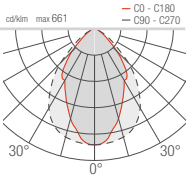
H (m)	Ø (m)	11W	15W
1,00	2,31	246	345
2,00	4,62	62	86
3,00	6,93	27	38
4,00	9,24	15	22
5,00	11,55	10	14



Microprismatic
flush installation - 562 mm

Lux max (3000K) cd/klm max 661 — C0 - C180 — C90 - C270

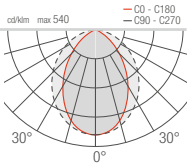
H (m)	Ø (m)	11W	15W
1,00	1,35	371	519
2,00	2,71	93	130
3,00	4,06	41	58
4,00	5,42	23	32
5,00	6,77	15	21



Diffuse
deep-set installation - 562 mm

Lux max (3000K) cd/klm max 540 — C0 - C180 — C90 - C270

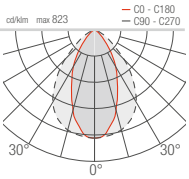
H (m)	Ø (m)	11W	15W
1,00	1,44	226	316
2,00	2,89	56	79
3,00	4,33	25	35
4,00	5,77	14	20
5,00	7,21	9	13



Microprismatic
deep-set installation - 562 mm

Lux max (3000K) cd/klm max 823 — C0 - C180 — C90 - C270

H (m)	Ø (m)	11W	15W
1,00	0,93	373	522
2,00	1,86	93	130
3,00	2,79	41	58
4,00	3,72	23	33
5,00	4,64	15	21

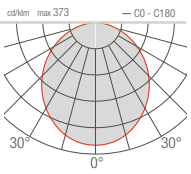


BRENTA 2

Diffuse
flush installation - 562 mm

Lux max (3000K) cd/klm max 373 — C0 - C180

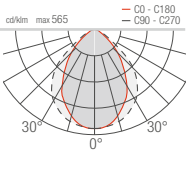
H (m)	Ø (m)	15W	30W
1,00	2,64	323	645
2,00	5,27	81	161
3,00	7,91	36	72
4,00	10,55	20	40
5,00	13,18	13	26



Microprismatic
flush installation - 562 mm

Lux max (3000K) cd/klm max 565 — C0 - C180 — C90 - C270

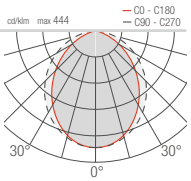
H (m)	Ø (m)	15W	30W
1,00	1,48	476	952
2,00	2,97	119	238
3,00	4,45	53	106
4,00	5,93	30	60
5,00	7,42	19	38



Diffuse
deep-set installation - 562 mm

Lux max (3000K) cd/klm max 444 — C0 - C180 — C90 - C270

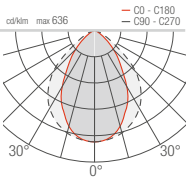
H (m)	Ø (m)	15W	30W
1,00	1,94	305	610
2,00	3,87	76	153
3,00	5,81	34	68
4,00	7,74	19	38
5,00	9,68	12	24



Microprismatic
deep-set installation - 562 mm

Lux max (3000K) cd/klm max 636 — C0 - C180 — C90 - C270

H (m)	Ø (m)	15W	30W
1,00	1,28	481	962
2,00	2,56	120	240
3,00	3,84	53	107
4,00	5,12	30	60
5,00	6,40	19	38



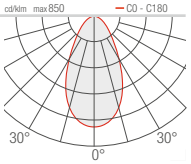
BRIGHT

OUTDOOR RECESSED

BRIGHT MINI 1.0 1.1

D - Diffuse

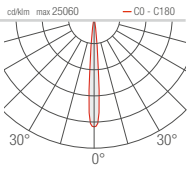
H (m)	Ø (m)	Lux max (3000K)
0,50	0,54	68
1,00	1,07	17
1,50	1,61	8
2,00	2,14	4
2,50	2,68	3
3,00	3,22	2



BRIGHT 1.0 1.1 1.2 1.6 1.7

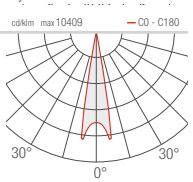
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	2180
2,00	0,33	545
3,00	0,50	242
4,00	0,66	136
5,00	0,83	87



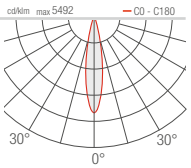
V - 19° sharp (Bright 1.0 / 1.6)

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	341
2,00	0,68	85
3,00	1,01	38
4,00	1,35	21
5,00	1,69	14



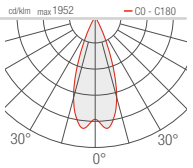
M - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	483
2,00	0,69	121
3,00	1,03	54
4,00	1,38	30
5,00	1,72	19



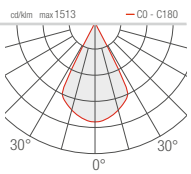
L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,71	181
2,00	1,42	45
3,00	2,13	20
4,00	2,84	11
5,00	3,55	7



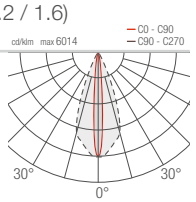
T - 54° sharp (Bright 1.0 / 1.6)

H (m)	Ø (m)	Lux max (3000K)
1,00	1,02	48
2,00	2,05	12
3,00	3,07	5
4,00	4,10	3
5,00	5,12	2



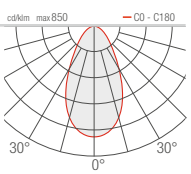
W - 10°x45° (Bright 1.0 / 1.2 / 1.6)

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,17	0,71	434
2,00	0,33	1,42	108
3,00	0,50	2,13	48
4,00	0,66	2,84	27
5,00	0,83	3,55	17



D - Diffuse

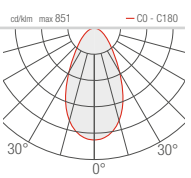
H (m)	Ø (m)	Lux max (3000K)
1,00	1,08	32
2,00	2,15	8
3,00	3,23	4
4,00	4,30	2
5,00	5,38	1



BRIGHT 1.8 1.9

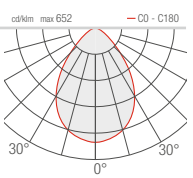
DT - Transparent diffuse

H (m)	Ø (m)	Lux max (white*)
0,50	0,54	37
1,00	1,08	9
1,50	1,61	4
2,00	2,15	2
2,50	2,69	1
3,00	3,23	-



DS - Sandblasted diffuse

H (m)	Ø (m)	Lux max (white*)
0,50	0,77	29
1,00	1,54	7
1,50	2,31	3
2,00	3,08	2
2,50	3,85	1
3,00	4,63	-



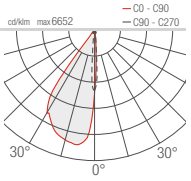
* White created by mixing the colours

BRIGHT 2.4
2.5

Z - Asymmetrical 8° CRI 80

Lux max (3000K)

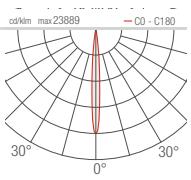
H (m)	Ø (m)	5W	7W
1,00	0,14	272	349
2,00	0,27	68	87
3,00	0,41	30	39
4,00	0,54	17	22
5,00	0,68	11	14



V - 8° CRI 80

Lux max (3000K)

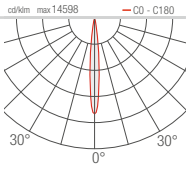
H (m)	Ø (m)	5W	7W
1,00	0,15	6998	9219
2,00	0,30	1749	2305
3,00	0,45	778	1024
4,00	0,60	437	576
5,00	0,75	280	369



T - 11° CRI 80

Lux max (3000K)

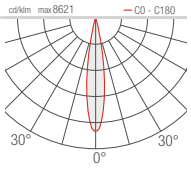
H (m)	Ø (m)	5W	7W
1,00	0,19	4904	6466
2,00	0,38	1226	1617
3,00	0,57	545	718
4,00	0,76	307	404
5,00	0,95	196	259



S - 17° CRI 80

Lux max (3000K)

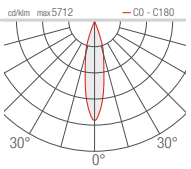
H (m)	Ø (m)	5W	7W
1,00	0,30	2914	3845
2,00	0,60	728	962
3,00	0,91	324	427
4,00	1,21	182	240
5,00	1,51	117	154



P - 21° sharp CRI 80

Lux max (3000K)

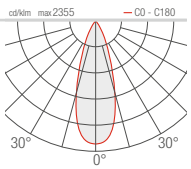
H (m)	Ø (m)	5W	7W
1,00	0,38	1400	1845
2,00	0,75	350	461
3,00	1,13	156	205
4,00	1,51	87	115
5,00	1,89	56	74



M - 34° CRI 80

Lux max (3000K)

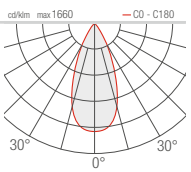
H (m)	Ø (m)	5W	7W
1,00	0,61	829	1091
2,00	1,23	207	273
3,00	1,84	92	122
4,00	2,45	52	69
5,00	3,06	33	44



L - 45° CRI 80

Lux max (3000K)

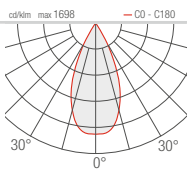
H (m)	Ø (m)	5W	7W
1,00	0,82	469	619
2,00	1,63	117	155
3,00	2,47	52	69
4,00	3,27	29	39
5,00	4,08	19	25



J - 47° CRI 80

Lux max (3000K)

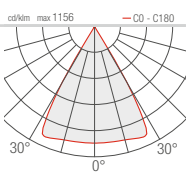
H (m)	Ø (m)	5W	7W
1,00	0,88	477	628
2,00	1,76	119	157
3,00	2,64	53	70
4,00	3,51	30	39
5,00	4,39	19	25



Q - 61° sharp CRI 80

Lux max (3000K)

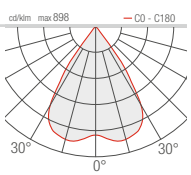
H (m)	Ø (m)	5W	7W
1,00	1,18	239	315
2,00	2,36	60	79
3,00	3,55	27	35
4,00	4,73	15	20
5,00	5,91	10	13



K - 68° CRI 80

Lux max (3000K)

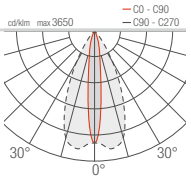
H (m)	Ø (m)	5W	7W
1,00	1,35	204	270
2,00	2,70	51	68
3,00	4,05	23	30
4,00	5,40	13	17
5,00	6,75	8	11



W - 13°x52° CRI 80

Lux max (3000K)

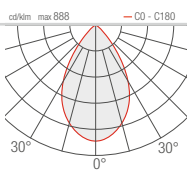
H (m)	Ø (m)	Ø (m)	5W	7W
1,00	0,23	0,98	1123	1478
2,00	0,43	1,96	281	370
3,00	0,70	2,93	125	164
4,00	0,93	3,91	70	92
5,00	1,17	4,89	45	59



D - Diffuse CRI 80

Lux max (3000K)

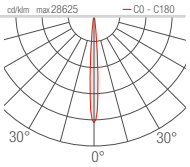
H (m)	Ø (m)	5W	7W
1,00	1,27	182	241
2,00	2,54	46	60
3,00	3,81	20	27
4,00	5,08	11	15
5,00	6,34	7	10



BRIGHT 2.8
2.9

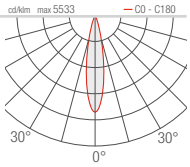
S - 8°

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,17	3242	4085
2,00	0,34	810	1021
3,00	0,51	360	454
4,00	0,69	202	255
5,00	0,86	129	163



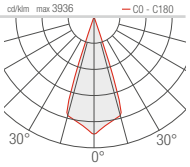
M - 20°

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,36	629	792
2,00	0,72	157	198
3,00	1,08	70	88
4,00	1,44	40	50
5,00	1,80	25	32



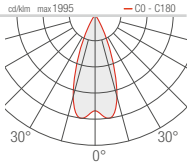
P - 36° sharp

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,66	143	180
2,00	1,31	36	45
3,00	1,97	16	20
4,00	2,62	9	11
5,00	3,28	6	7



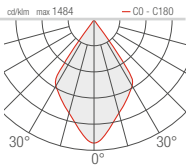
L - 41°

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,75	229	288
2,00	1,51	57	72
3,00	2,26	25	32
4,00	3,01	14	18
5,00	3,76	10	12



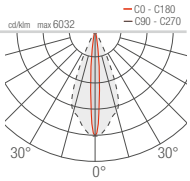
Q - 68° sharp

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	1,36	63	79
2,00	2,71	16	20
3,00	4,07	7	9
4,00	5,42	4	5
5,00	6,78	3	4



W - 10°x44°

		Lux max (3000K)		
H (m)	Ø (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,17	0,80	693	873
2,00	0,34	1,60	173	218
3,00	0,50	2,40	77	97
4,00	0,67	3,19	43	55
5,00	0,84	3,99	28	35

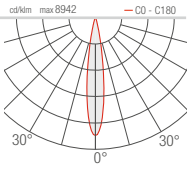


BRIGHT 3.F

S - 16° CRI 80

Lux max (3000K)

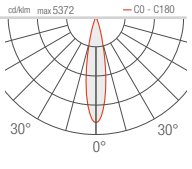
H (m)	Ø (m)	10W	13W
1,00	0,28	5580	7431
2,00	0,56	1395	1858
3,00	0,84	620	826
4,00	1,13	349	464
5,00	1,41	223	297



M- 21° CRI 80

Lux max (3000K)

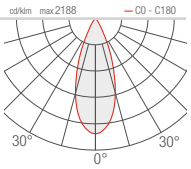
H (m)	Ø (m)	10W	13W
1,00	0,37	3304	4405
2,00	0,74	826	1101
3,00	1,11	367	489
4,00	1,49	206	275
5,00	1,86	132	176



L - 38° CRI 80

Lux max (3000K)

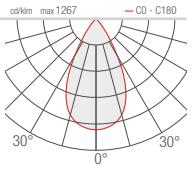
H(m)	Ø (m)	10W	13W
1,00	0,69	1755	2330
2,00	1,38	439	582
3,00	2,07	195	259
4,00	2,76	110	146
5,00	3,45	70	93



K- 55° CRI 80

Lux max (3000K)

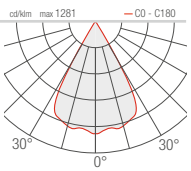
H (m)	Ø (m)	10W	13W
1,00	1,04	1070	1425
2,00	2,08	268	356
3,00	3,12	119	158
4,00	4,16	67	89
5,00	5,20	43	57



P - 58° sharp CRI 80

Lux max (3000K)

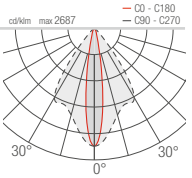
H(m)	Ø (m)	10W	13W
1,00	1,12	513	681
2,00	2,25	128	170
3,00	3,37	57	76
4,00	4,50	32	43
5,00	5,62	21	27



W - 16°x69° adjustable CRI 80

Lux max (3000K)

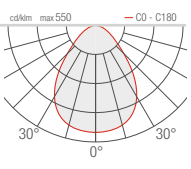
H (m)	Ø (m)	Ø (m)	10W	13W
1,00	0,28	1,37	1537	2048
2,00	0,56	2,74	384	512
3,00	0,84	4,11	171	228
4,00	1,12	5,48	96	128
5,00	1,40	6,85	61	82



D - Diffuse CRI 80

Lux max (3000K)

H (m)	Ø (m)	10W	13W
1,00	1,69	305	407
2,00	3,37	76	102
3,00	5,06	34	45
4,00	6,75	19	25
5,00	8,43	12	16

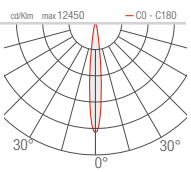


BRIGHT 3.G

S - 12° CRI 80

Lux max (3000K)

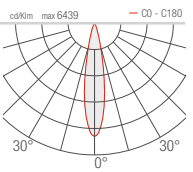
H (m)	Ø (m)	5W	9W
1,00	0,21	3498	6300
2,00	0,42	875	1575
3,00	0,63	389	700
4,00	0,84	219	394
5,00	1,06	140	252



M - 20° CRI 80

Lux max (3000K)

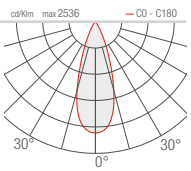
H (m)	Ø (m)	5W	9W
1,00	0,35	1719	3097
2,00	0,69	430	774
3,00	1,04	191	344
4,00	1,39	107	194
5,00	1,73	69	124



L - 35° CRI 80

Lux max (3000K)

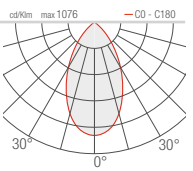
H (m)	Ø (m)	5W	9W
1,00	0,63	715	1288
2,00	1,27	179	322
3,00	1,90	79	143
4,00	2,53	45	81
5,00	3,17	29	52



K - 57° CRI 80

Lux max (3000K)

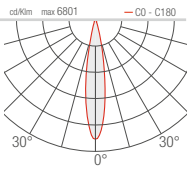
H (m)	Ø (m)	5W	9W
1,00	1,08	225	406
2,00	2,16	56	101
3,00	3,24	25	45
4,00	4,32	14	25
5,00	5,40	9	16



BRIGHT 3.H

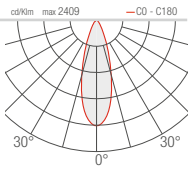
S - 18°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,32	1891
2,00	0,64	473
3,00	0,95	210
4,00	1,27	118
5,00	1,59	76



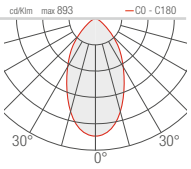
M - 32°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,57	655
2,00	1,14	164
3,00	1,71	73
4,00	2,28	41
5,00	2,85	26



L - 58°

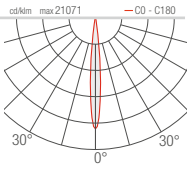
H (m)	Ø (m)	Lux max (4000K)
1,00	1,10	241
2,00	2,20	60
3,00	3,30	27
4,00	4,40	15
5,00	5,49	10



BRIGHT 5.F

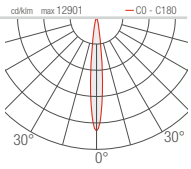
V- 10° CRI 80

H (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	0,36	4014	5905
4,00	0,71	1003	1476
6,00	1,07	446	656
8,00	1,43	251	369
10,00	1,78	161	236



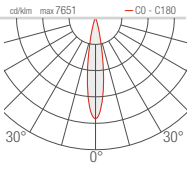
T- 12° CRI 80

H (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	0,41	2648	3896
4,00	0,82	662	974
6,00	1,24	294	433
8,00	1,65	165	244
10,00	2,06	106	156



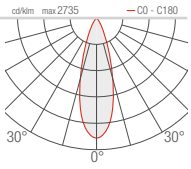
S- 18° CRI 80

H (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	0,63	1532	2230
4,00	1,26	383	558
6,00	1,89	170	248
8,00	2,52	96	139
10,00	3,15	61	89



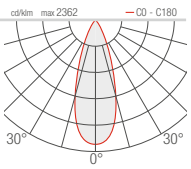
M- 31° CRI 80

H (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	1,11	500	734
4,00	2,23	125	183
6,00	3,34	56	82
8,00	4,45	31	46
10,00	5,56	20	29



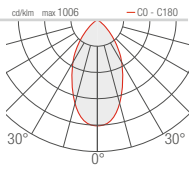
L- 35° CRI 80

H (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	1,28	453	666
4,00	2,55	113	167
6,00	3,83	50	74
8,00	5,10	28	42
10,00	6,38	18	27



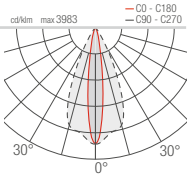
K- 56° CRI 80

H (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	2,14	184	268
4,00	4,29	46	67
6,00	6,43	20	30
8,00	8,58	12	17
10,00	10,72	7	11



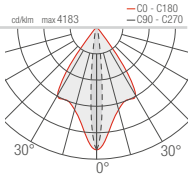
W- 15°x47° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	0,51	1,73	799	1171
4,00	1,02	3,45	200	293
6,00	1,53	5,18	89	130
8,00	2,04	6,91	50	73
10,00	2,56	8,63	32	47



X - 67°x11° adjustable CRI 80

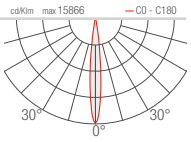
H (m)	Ø (m)	Ø (m)	Lux max (3000K) 14W	19W
2,00	2,64	0,37	749	1102
4,00	5,27	0,74	187	276
6,00	7,91	1,11	83	122
8,00	10,54	1,48	47	69
10,00	13,18	1,85	30	44



BRIGHT 5.G

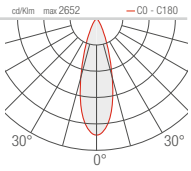
S - 12° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**16W**
1,00	0,20	8663	13121
2,00	0,41	2166	3280
3,00	0,61	963	1458
4,00	0,81	541	820
5,00	1,02	347	525



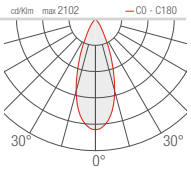
M - 31° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**16W**
1,00	0,56	1384	2098
2,00	1,11	346	524
3,00	1,67	154	233
4,00	2,22	87	131
5,00	2,78	55	84



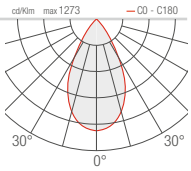
L - 38° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**16W**
1,00	0,69	1627	2464
2,00	1,39	407	616
3,00	2,08	181	274
4,00	2,78	102	154
5,00	3,47	65	99



K - 55° CRI 80

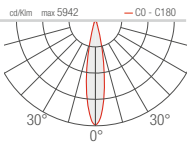
		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**16W**
1,00	1,04	1038	1572
2,00	2,08	260	393
3,00	3,12	115	175
4,00	4,16	65	98
5,00	5,20	42	63



BRIGHT 5.H

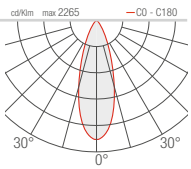
S - 20°

		Lux max (4000K)
H (m)	Ø (m)	
1,00	0,34	1640
2,00	0,68	410
3,00	1,02	182
4,00	1,36	103
5,00	1,70	66



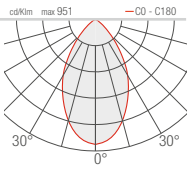
M - 34°

		Lux max (4000K)
H (m)	Ø (m)	
1,00	0,61	593
2,00	1,21	148
3,00	1,82	66
4,00	2,42	37
5,00	3,03	24



L - 61°

		Lux max (4000K)
H (m)	Ø (m)	
1,00	1,18	229
2,00	2,36	57
3,00	3,54	25
4,00	4,72	14
5,00	5,90	9

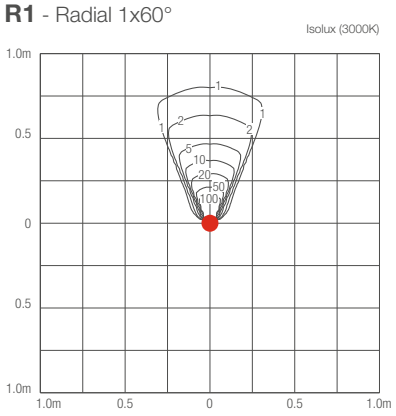


BRIGHT

OUTDOOR STEP LIGHTS

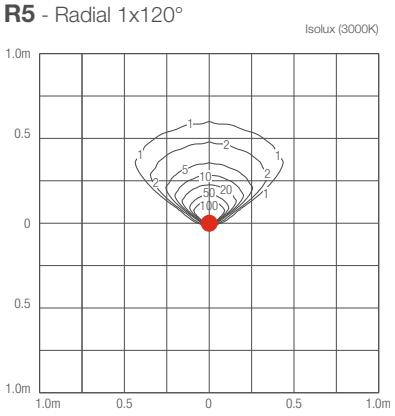
BRIGHT 1.A
1.B

R1 - Radial 1x60°



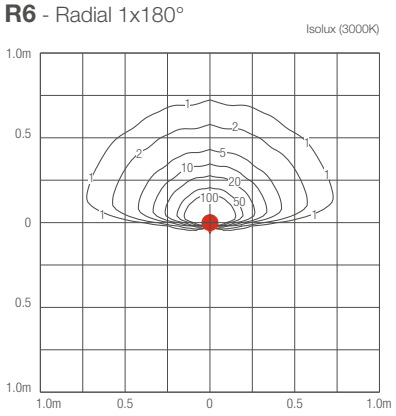
Bright 1.A **2W**
Bright 1.B **3.5W**

R5 - Radial 1x120°



Bright 1.A **2W**
Bright 1.B **3.5W**

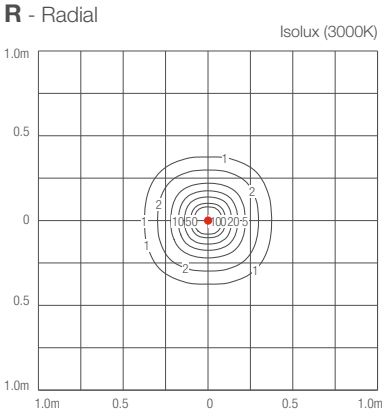
R6 - Radial 1x180°



Bright 1.A **2W**
Bright 1.B **3.5W**

BRIGHT 4.7

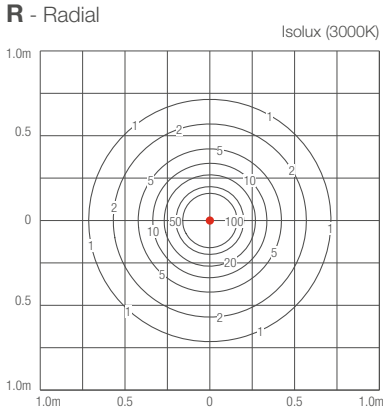
R - Radial



2W

BRIGHT 9.7

R - Radial



4W

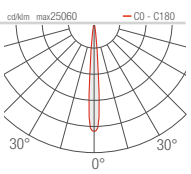
BRIGHT 316L

UNDERWATER RECESSED

BRIGHT 1.0 316L
1.6 316L

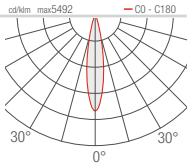
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	2180
2,00	0,33	545
3,00	0,50	242
4,00	0,66	136
5,00	0,83	87



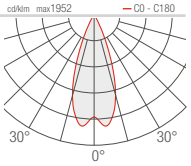
M - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	483
2,00	0,69	121
3,00	1,03	54
4,00	1,38	30
5,00	1,72	19



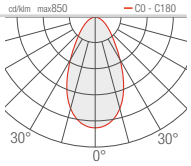
L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,71	181
2,00	1,42	45
3,00	2,13	20
4,00	2,84	11
5,00	3,55	7



D - Diffuse

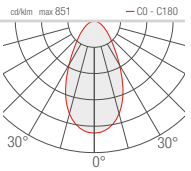
H (m)	Ø (m)	Lux max (3000K)
1,00	1,08	32
2,00	2,15	8
3,00	3,23	4
4,00	4,30	2
5,00	5,38	1



BRIGHT 1.8 316L

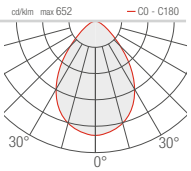
DT - Diffuse transparent

H (m)	Ø (m)	Lux max (white*)
0,50	0,54	37
1,00	1,08	9
1,50	1,61	4
2,00	2,15	2
2,50	2,69	1
3,00	3,23	-



DS - Diffuse sandblasted

H (m)	Ø (m)	Lux max (white*)
0,50	0,77	29
1,00	1,54	7
1,50	2,31	3
2,00	3,08	2
2,50	3,85	1
3,00	4,63	-

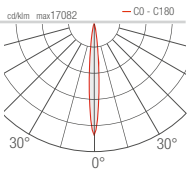


* White created by mixing the colours

BRIGHT 2.0 316L
2.6 316L

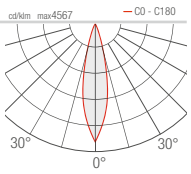
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	5329
2,00	0,33	1332
3,00	0,50	592
4,00	0,66	333
5,00	0,83	213



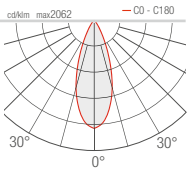
M - 24°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,42	1434
2,00	0,83	359
3,00	1,25	159
4,00	1,67	90
5,00	2,09	57



L - 38°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,67	588
2,00	1,35	147
3,00	2,02	65
4,00	2,69	37
5,00	3,37	24

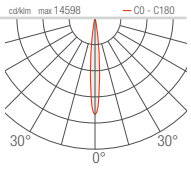


BRIGHT 3.0 316L

S - 11°

Lux max (3000K)

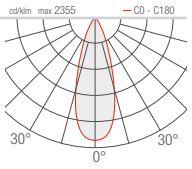
H (m)	Ø (m)	7W	9W
1,00	0,19	6466	8827
2,00	0,38	1617	2207
3,00	0,57	718	981
4,00	0,76	404	553
5,00	0,95	259	353



M - 34°

Lux max (3000K)

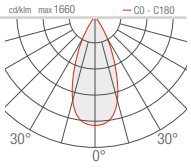
H (m)	Ø (m)	7W	9W
1,00	0,61	951	1301
2,00	1,23	238	326
3,00	1,84	106	144
4,00	2,45	59	81
5,00	3,06	38	52



L - 45°

Lux max (3000K)

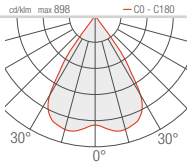
H (m)	Ø (m)	7W	9W
1,00	0,82	619	844
2,00	1,63	155	211
3,00	2,47	69	94
4,00	3,27	39	52
5,00	4,08	25	45



K - 68°

Lux max (3000K)

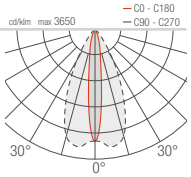
H (m)	Ø (m)	7W	9W
1,00	1,35	270	367
2,00	2,70	68	92
3,00	4,05	30	41
4,00	5,40	17	23
5,00	6,75	11	14



W - 13°x52°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	7W	9W
1,00	0,23	0,98	1478	2021
2,00	0,43	1,96	370	506
3,00	0,70	2,93	164	225
4,00	0,93	3,91	92	126
5,00	1,17	4,89	59	81

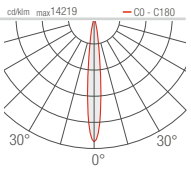


BRIGHT 5.0 316L

S - 10°

Lux max (3000K)

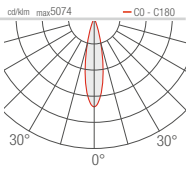
H (m)	Ø (m)	12W	18W
1,00	0,21	8318	12456
2,00	0,42	2080	3114
3,00	0,63	924	1384
4,00	0,84	520	779
5,00	1,06	333	498



M - 20°

Lux max (3000K)

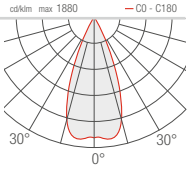
H (m)	Ø (m)	12W	18W
1,00	0,40	2994	4491
2,00	0,80	748	1123
3,00	1,20	333	499
4,00	1,60	187	281
5,00	2,00	120	180



L - 40°

Lux max (3000K)

H (m)	Ø (m)	12W	18W
1,00	0,79	962	1444
2,00	1,59	241	361
3,00	2,38	107	160
4,00	3,18	60	90
5,00	3,97	38	58



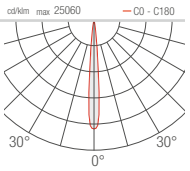
BROM

OUTDOOR WALL MOUNTED

BROM 1.0

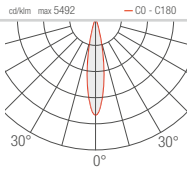
S - 10°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,08	8721
1,00	0,16	2180
2,00	0,33	545
2,50	0,41	349
3,00	0,49	242



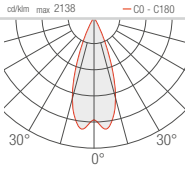
M - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,17	1933
1,00	0,34	483
2,00	0,68	121
2,50	0,85	77
3,00	1,03	54



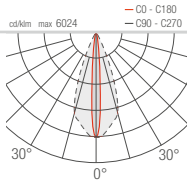
L - 40°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,35	724
1,00	0,71	181
2,00	1,42	45
2,50	1,77	29
3,00	2,12	20



W - 10°x45°

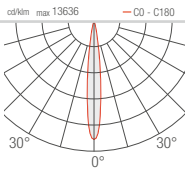
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,17	0,35	1734
1,00	0,34	0,71	434
2,00	0,68	1,42	108
2,50	0,85	1,77	69
3,00	1,03	2,12	48



BROM 3.0

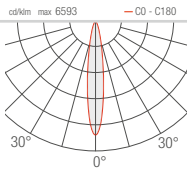
S - 12°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,11	15164
1,00	0,22	3791
2,00	0,45	948
2,50	0,56	607
3,00	0,67	421



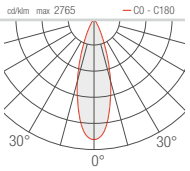
M - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,14	6620
1,00	0,28	1655
2,00	0,56	414
2,50	0,70	265
3,00	0,84	184



L - 35°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,28	2673
1,00	0,56	668
2,00	1,12	167
2,50	1,41	107
3,00	1,69	74



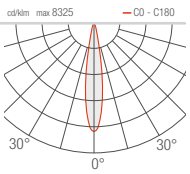
CAMEO

INDOOR RECESSED

CAMEO 1.0
1.1
1.6
1.7

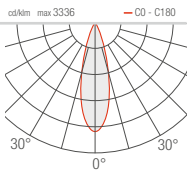
S - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	4510
1,00	0,30	1127
1,50	0,45	501
2,00	0,60	282
2,50	0,75	180
3,00	0,89	125



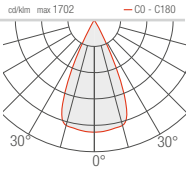
M - 29°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,26	1859
1,00	0,52	465
1,50	0,78	207
2,00	1,04	116
2,50	1,30	74
3,00	1,56	52



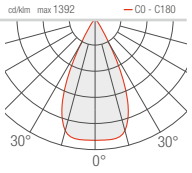
P - 48° sharp

H (m)	Ø (m)	Lux max (3000K)
0,50	0,45	381
1,00	0,91	95
1,50	1,36	42
2,00	1,81	24
2,50	2,26	15
3,00	2,72	11



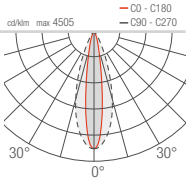
L - 52°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,48	779
1,00	0,97	195
1,50	1,45	87
2,00	1,93	49
2,50	2,41	31
3,00	2,90	22



W - 16°x34°

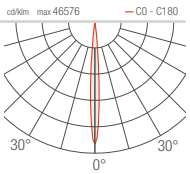
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,14	0,31	2516
1,00	0,28	0,62	629
1,50	0,42	0,93	280
2,00	0,56	1,24	157
2,50	0,70	1,55	101
3,00	0,84	1,86	70



CAMEO 1.2
1.8

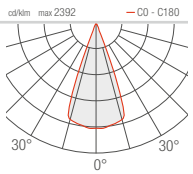
R1 - 8° (8°–40°)

H (m)	Ø (m)	Lux max (3000K)
0,50	0,07	2422
1,00	0,14	605
1,50	0,21	269
2,00	0,27	151
2,50	0,34	97
3,00	0,41	67



R1 - 40° (8°–40°)

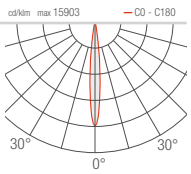
H (m)	Ø (m)	Lux max (3000K)
0,50	0,37	334
1,00	0,73	84
1,50	1,10	37
2,00	1,47	21
2,50	1,84	13
3,00	2,20	9



CAMEO 2.6
2.7

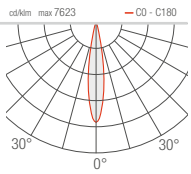
S - 11°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,10	19320
1,00	0,19	4830
1,50	0,29	2147
2,00	0,38	1208
2,50	0,48	773
3,00	0,58	537



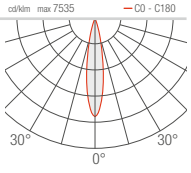
M - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	8789
1,00	0,31	2197
1,50	0,46	977
2,00	0,61	549
2,50	0,78	352
3,00	0,92	244



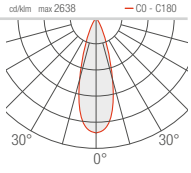
P - 19° sharp

H (m)	Ø (m)	Lux max (3000K)
0,50	0,17	4546
1,00	0,34	1136
1,50	0,51	505
2,00	0,67	284
2,50	0,84	182
3,00	1,01	126



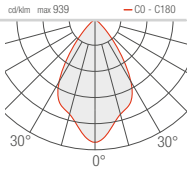
L - 32°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,29	3156
1,00	0,58	789
1,50	0,86	351
2,00	1,15	197
2,50	1,44	126
3,00	1,73	88



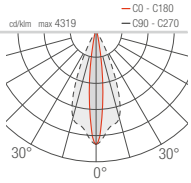
J - 65°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,64	1084
1,00	1,28	271
1,50	1,92	120
2,00	2,56	68
2,50	3,20	43
3,00	3,84	30



W - 13°x43°

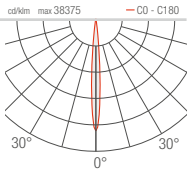
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,12	0,40	4899
1,00	0,24	0,79	1225
1,50	0,35	1,19	544
2,00	0,47	1,58	306
2,50	0,59	1,98	196
3,00	0,71	2,38	136



CAMEO 2.8

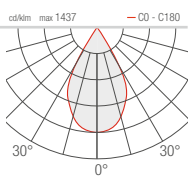
R1 - 8° (8°–58°)

H (m)	Ø (m)	Lux max (3000K)
0,50	0,07	15811
1,00	0,15	3953
1,50	0,22	1757
2,00	0,30	988
2,50	0,37	632
3,00	0,44	439



R1 - 58° (8°–58°)

H (m)	Ø (m)	Lux max (3000K)
0,50	0,55	1333
1,00	1,10	333
1,50	1,64	148
2,00	2,19	83
2,50	2,74	53
3,00	3,29	37



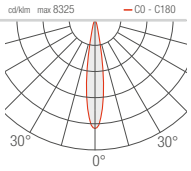
CIAK

INDOOR RECESSED

CIAK 1.0 1.1 1.6 1.7

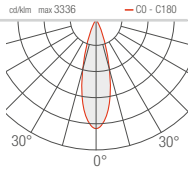
S - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	4510
1,00	0,30	1127
1,50	0,45	501
2,00	0,60	282
2,50	0,75	180
3,00	0,89	125



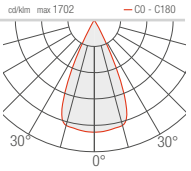
M - 29°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,26	1859
1,00	0,52	465
1,50	0,78	207
2,00	1,04	116
2,50	1,30	74
3,00	1,56	52



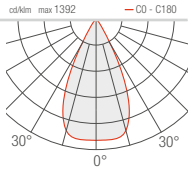
P - 48° sharp

H (m)	Ø (m)	Lux max (3000K)
0,50	0,45	381
1,00	0,91	95
1,50	1,36	42
2,00	1,81	24
2,50	2,26	15
3,00	2,72	11



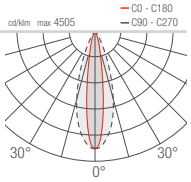
L - 52°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,48	779
1,00	0,97	195
1,50	1,45	87
2,00	1,93	49
2,50	2,41	31
3,00	2,90	22



W - 16°x34°

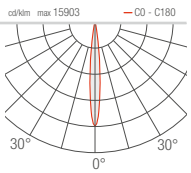
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,14	0,31	2516
1,00	0,28	0,62	629
1,50	0,42	0,93	280
2,00	0,56	1,24	157
2,50	0,70	1,55	101
3,00	0,84	1,86	70



CIAK 2.6 2.7

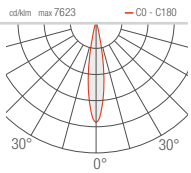
S - 11°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,10	19320
1,00	0,19	4830
1,50	0,29	2147
2,00	0,38	1208
2,50	0,48	773
3,00	0,58	537



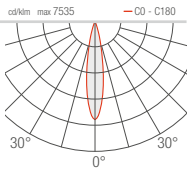
M - 17°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	8789
1,00	0,31	2197
1,50	0,46	977
2,00	0,61	549
2,50	0,78	352
3,00	0,92	244



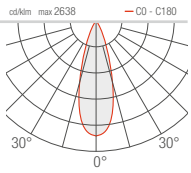
P - 19° sharp

H (m)	Ø (m)	Lux max (3000K)
0,50	0,17	4546
1,00	0,34	1136
1,50	0,51	505
2,00	0,67	284
2,50	0,84	182
3,00	1,01	126



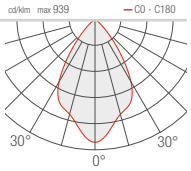
L - 32°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,29	3156
1,00	0,58	789
1,50	0,86	351
2,00	1,15	197
2,50	1,44	126
3,00	1,73	88



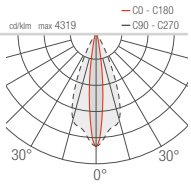
J - 65°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,64	1084
1,00	1,28	271
1,50	1,92	120
2,00	2,56	68
2,50	3,20	43
3,00	3,84	30



W - 13°x43°

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,12	0,40	4899
1,00	0,24	0,79	1225
1,50	0,35	1,19	544
2,00	0,47	1,58	306
2,50	0,59	1,98	196
3,00	0,71	2,38	136



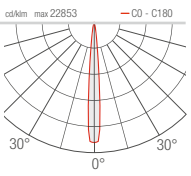
CITY

INDOOR PROJECTORS

CITY 1.0

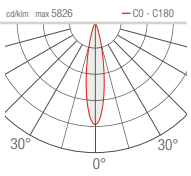
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	5142
2,00	0,34	1285
3,00	0,52	571
4,00	0,69	321
5,00	0,86	206



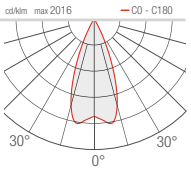
M - 25°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,35	1288
2,00	0,70	322
3,00	1,05	143
4,00	1,40	80
5,00	1,75	52



L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,77	438
2,00	1,53	110
3,00	2,30	49
4,00	3,06	27
5,00	3,83	18



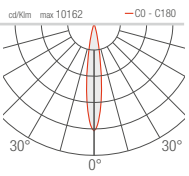
COMBINA D

INDOOR RECESSED

COMBINA D 1.0
1.1

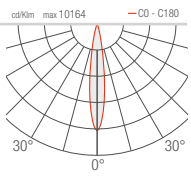
S - 16° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,29	2977
2,00	0,57	744
3,00	0,86	331
4,00	1,15	186
5,00	1,43	119



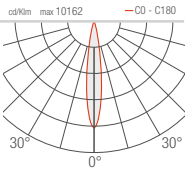
S - 16° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,27	2978
2,00	0,55	745
3,00	0,82	331
4,00	1,09	186
5,00	1,37	119



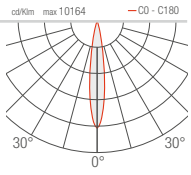
S - 16° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,29	2977
2,00	0,57	744
3,00	0,86	331
4,00	1,15	186
5,00	1,43	119



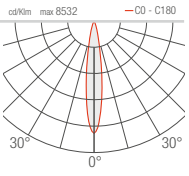
S - 16° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,27	2978
2,00	0,55	745
3,00	0,82	331
4,00	1,09	186
5,00	1,37	119



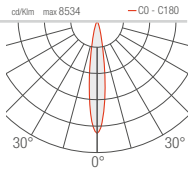
S - 16° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,29	2944
2,00	0,58	736
3,00	0,87	327
4,00	1,16	184
5,00	1,45	118



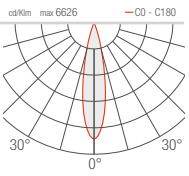
S - 16° CRI 90 - deep, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,28	2944
2,00	0,56	736
3,00	0,83	327
4,00	1,11	184
5,00	1,39	118



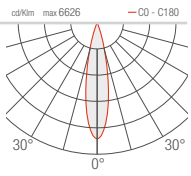
M - 22° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,38	1597
2,00	0,77	399
3,00	1,15	177
4,00	1,54	100
5,00	1,92	64



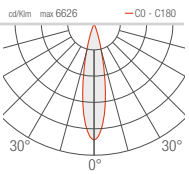
M - 22° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,38	1597
2,00	0,75	399
3,00	1,13	177
4,00	1,50	100
5,00	1,88	64



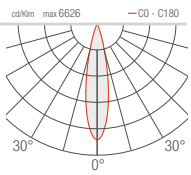
M - 22° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,38	1597
2,00	0,77	399
3,00	1,15	177
4,00	1,54	100
5,00	1,92	64



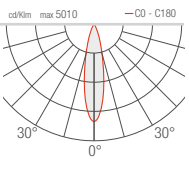
M - 22° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,38	1597
2,00	0,75	399
3,00	1,13	177
4,00	1,50	100
5,00	1,88	64



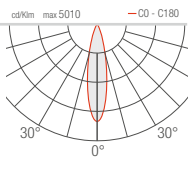
M - 23° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,40	1613
2,00	0,80	403
3,00	1,20	179
4,00	1,60	101
5,00	2,00	65



M - 23° CRI 90 - deep, square cover

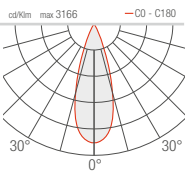
H (m)	Ø (m)	Lux max (3000K)
1,00	0,40	1613
2,00	0,80	403
3,00	1,20	179
4,00	1,60	101
5,00	2,01	65



COMBINA D 1.0
1.1

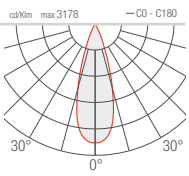
L - 33° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,60	481
2,00	1,21	120
3,00	1,81	53
4,00	2,41	30
5,00	3,02	19



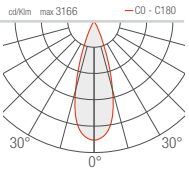
L - 33° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,57	483
2,00	1,15	121
3,00	1,72	54
4,00	2,30	30
5,00	2,87	19



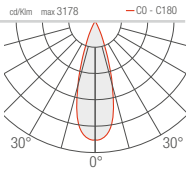
L - 33° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,60	481
2,00	1,21	120
3,00	1,81	53
4,00	2,41	30
5,00	3,02	19



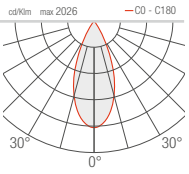
L - 33° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,57	483
2,00	1,15	121
3,00	1,72	54
4,00	2,30	30
5,00	2,87	19



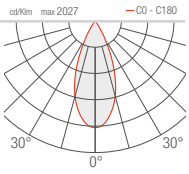
L - 42° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,77	503
2,00	1,54	126
3,00	2,32	56
4,00	3,09	31
5,00	3,86	20



L - 42° CRI 90 - deep, square cover

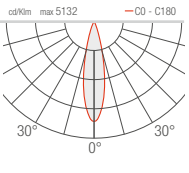
H (m)	Ø (m)	Lux max (3000K)
1,00	0,77	503
2,00	1,54	126
3,00	2,31	56
4,00	3,08	31
5,00	3,85	20



COMBINA D 2.0
2.1

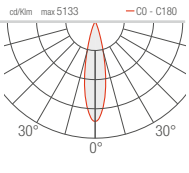
S - 25° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,42	2058
2,00	0,84	514
3,00	1,26	229
4,00	1,68	129
5,00	2,09	82



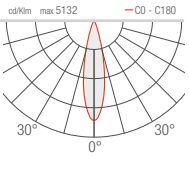
S - 25° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,39	2058
2,00	0,79	515
3,00	1,18	229
4,00	1,58	129
5,00	1,97	82



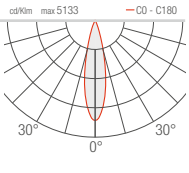
S - 25° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,42	2058
2,00	0,84	514
3,00	1,26	229
4,00	1,68	129
5,00	2,09	82



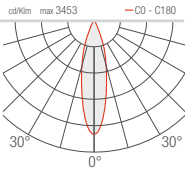
S - 25° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,39	2058
2,00	0,79	515
3,00	1,18	229
4,00	1,58	129
5,00	1,97	82



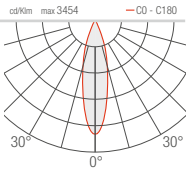
S - 25° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,45	2238
2,00	0,90	559
3,00	1,35	249
4,00	1,79	140
5,00	2,24	90



S - 25° CRI 90 - deep, square cover

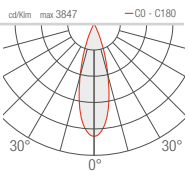
H (m)	Ø (m)	Lux max (3000K)
1,00	0,44	2238
2,00	0,88	560
3,00	1,33	249
4,00	1,77	140
5,00	2,21	90



COMBINA D 2.0
2.1

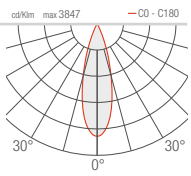
M - 30° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	2701
2,00	1,04	675
3,00	1,56	300
4,00	2,08	169
5,00	2,60	108



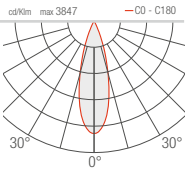
M - 30° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,50	2701
2,00	1,01	675
3,00	1,51	300
4,00	2,01	169
5,00	2,52	108



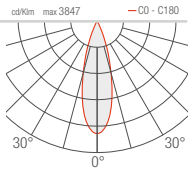
M - 30° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	2701
2,00	1,04	675
3,00	1,56	300
4,00	2,08	169
5,00	2,60	108



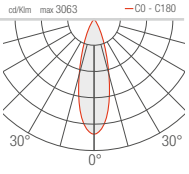
M - 30° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,50	2701
2,00	1,01	675
3,00	1,51	300
4,00	2,01	169
5,00	2,52	108



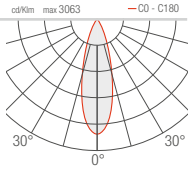
M - 30° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,54	2735
2,00	1,07	684
3,00	1,61	304
4,00	2,14	171
5,00	2,68	109



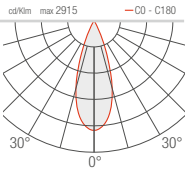
M - 30° CRI 90 - deep, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,53	2735
2,00	1,06	684
3,00	1,59	304
4,00	2,12	171
5,00	2,65	109



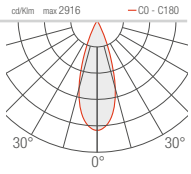
L - 36° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,63	2204
2,00	1,26	551
3,00	1,90	245
4,00	2,53	138
5,00	3,16	88



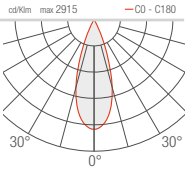
L - 36° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,61	2204
2,00	1,21	551
3,00	1,82	245
4,00	2,43	138
5,00	3,03	88



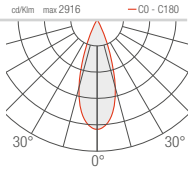
L - 36° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,63	2204
2,00	1,26	551
3,00	1,90	245
4,00	2,53	138
5,00	3,16	88



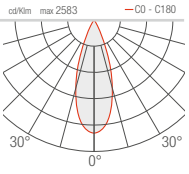
L - 36° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,61	2204
2,00	1,21	551
3,00	1,82	245
4,00	2,43	138
5,00	3,03	88



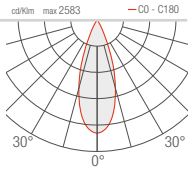
L - 36° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,64	2343
2,00	1,29	586
3,00	1,93	260
4,00	2,58	146
5,00	3,22	94



L - 36° CRI 90 - deep, square cover

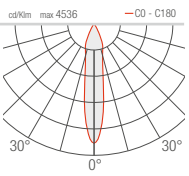
H (m)	Ø (m)	Lux max (3000K)
1,00	0,64	2343
2,00	1,28	586
3,00	1,92	260
4,00	2,55	146
5,00	3,19	94



COMBINA D 3.0
3.1

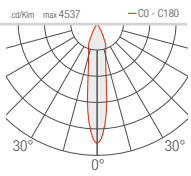
S- 18° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	3951
2,00	0,64	988
3,00	0,96	439
4,00	1,28	247
5,00	1,60	158



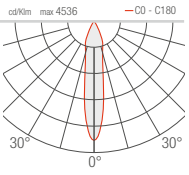
S- 18° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	3951
2,00	0,63	988
3,00	0,95	439
4,00	1,26	247
5,00	1,58	158



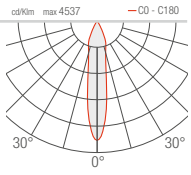
S - 18° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	3951
2,00	0,64	988
3,00	0,96	439
4,00	1,28	247
5,00	1,60	158



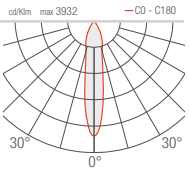
S - 18° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	3951
2,00	0,63	988
3,00	0,95	439
4,00	1,26	247
5,00	1,58	158



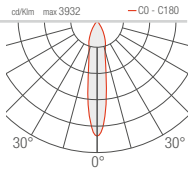
S- 18° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	4007
2,00	0,64	1002
3,00	0,96	445
4,00	1,28	250
5,00	1,60	160



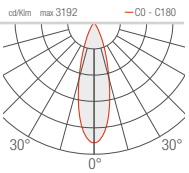
S- 18° CRI 90 - deep, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,31	4007
2,00	0,62	1002
3,00	0,93	445
4,00	1,24	250
5,00	1,55	160



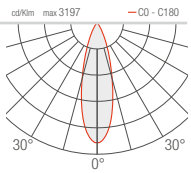
M- 29° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3385
2,00	1,05	846
3,00	1,57	376
4,00	2,09	212
5,00	2,62	135



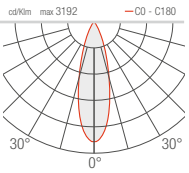
M- 29° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3389
2,00	1,03	847
3,00	1,55	377
4,00	2,06	212
5,00	2,58	136



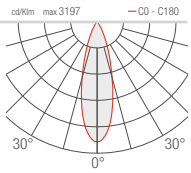
M- 29° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3385
2,00	1,05	846
3,00	1,57	376
4,00	2,09	212
5,00	2,62	135



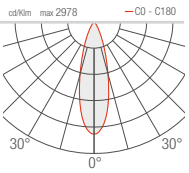
M- 29° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3389
2,00	1,03	847
3,00	1,55	377
4,00	2,06	212
5,00	2,58	136



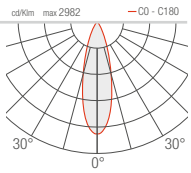
M- 29° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3389
2,00	1,05	847
3,00	1,57	377
4,00	2,10	212
5,00	2,62	136



M- 29° CRI 90 - deep, square cover

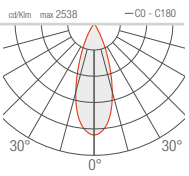
H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3391
2,00	1,03	848
3,00	1,55	377
4,00	2,07	212
5,00	2,58	136



COMBINA D 3.0
3.1

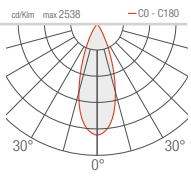
L - 36° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,65	2776
2,00	1,30	694
3,00	1,95	308
4,00	2,60	174
5,00	3,25	111



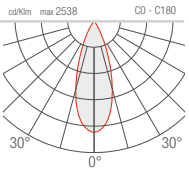
L - 36° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,64	2776
2,00	1,28	694
3,00	1,92	308
4,00	2,57	174
5,00	3,21	111



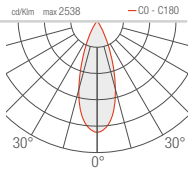
L - 36° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,65	2776
2,00	1,30	694
3,00	1,95	308
4,00	2,60	174
5,00	3,25	111



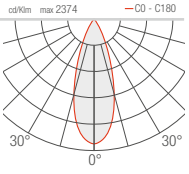
L - 36° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,64	2776
2,00	1,28	694
3,00	1,92	308
4,00	2,57	174
5,00	3,21	111



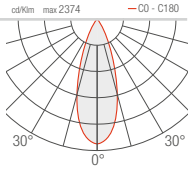
L - 36° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,65	2797
2,00	1,30	699
3,00	1,95	311
4,00	2,60	175
5,00	3,24	112



L - 36° CRI 90 - deep, square cover

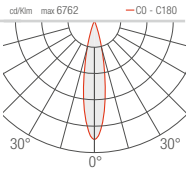
H (m)	Ø (m)	Lux max (3000K)
1,00	0,64	2795
2,00	1,28	699
3,00	1,92	311
4,00	2,56	175
5,00	3,20	112



COMBINA D 4.0
4.1

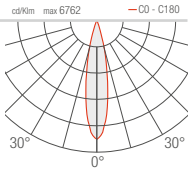
S - 20° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,36	15282
2,00	0,72	3820
3,00	1,09	1698
4,00	1,45	955
5,00	1,81	611



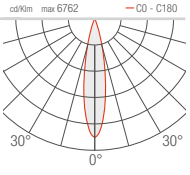
S - 20° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,37	15281
2,00	0,73	3820
3,00	1,10	1698
4,00	1,46	955
5,00	1,83	611



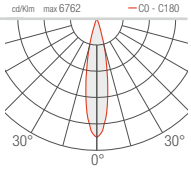
S - 20° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,36	15282
2,00	0,72	3820
3,00	1,09	1698
4,00	1,45	955
5,00	1,81	611



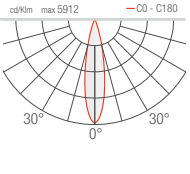
S - 20° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,37	15281
2,00	0,73	3820
3,00	1,10	1698
4,00	1,46	955
5,00	1,83	611



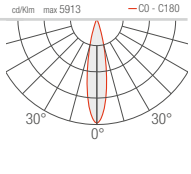
S - 21° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,38	13970
2,00	0,76	3493
3,00	1,14	1552
4,00	1,52	873
5,00	1,89	559



S - 21° CRI 90 - deep, square cover

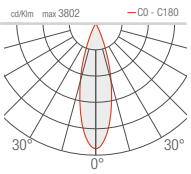
H (m)	Ø (m)	Lux max (3000K)
1,00	0,37	13972
2,00	0,74	3493
3,00	1,12	1552
4,00	1,49	873
5,00	1,86	559



COMBINA D 4.0
4.1

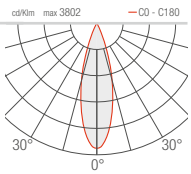
M - 29° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	7878
2,00	1,03	1970
3,00	1,55	875
4,00	2,06	492
5,00	2,58	315



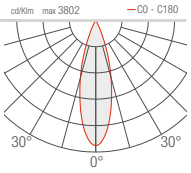
M - 29° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	7878
2,00	1,03	1969
3,00	1,55	875
4,00	2,06	492
5,00	2,58	315



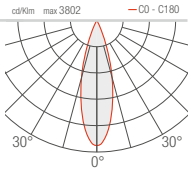
M - 29° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	7878
2,00	1,03	1970
3,00	1,55	875
4,00	2,06	492
5,00	2,58	315



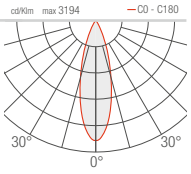
M - 29° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	7878
2,00	1,03	1969
3,00	1,55	875
4,00	2,06	492
5,00	2,58	315



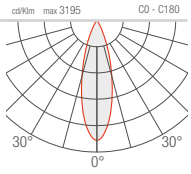
M - 30° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,53	7497
2,00	1,06	1874
3,00	1,59	833
4,00	2,12	469
5,00	2,66	300



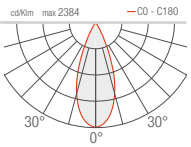
M - 30° CRI 90 - deep, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	7498
2,00	1,04	1874
3,00	1,56	833
4,00	2,08	469
5,00	2,60	300



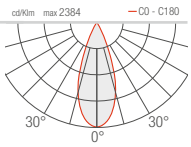
L - 38° CRI 90 - flat, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,72	4197
2,00	1,44	1049
3,00	2,16	466
4,00	2,87	262
5,00	3,59	168



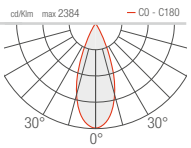
L - 38° CRI 90 - flat, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,69	4198
2,00	1,38	1049
3,00	2,07	466
4,00	2,76	262
5,00	3,45	168



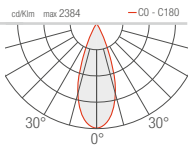
L - 38° CRI 90 - shallow, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,72	4197
2,00	1,44	1049
3,00	2,16	466
4,00	2,87	262
5,00	3,59	168



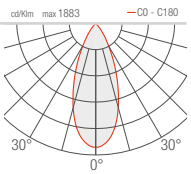
L - 38° CRI 90 - shallow, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,69	4198
2,00	1,38	1049
3,00	2,07	466
4,00	2,76	262
5,00	3,45	168



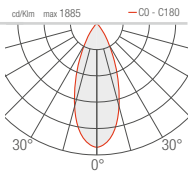
L - 41° CRI 90 - deep, round cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,75	4191
2,00	1,50	1048
3,00	2,25	466
4,00	2,99	262
5,00	3,74	168



L - 41° CRI 90 - deep, square cover

H (m)	Ø (m)	Lux max (3000K)
1,00	0,74	4195
2,00	1,47	1049
3,00	2,21	466
4,00	2,95	262
5,00	3,68	168



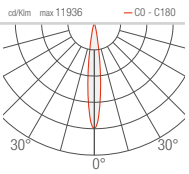
CORSO

OUTDOOR RECESSED

CORSO 1.0

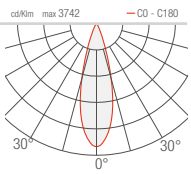
S - 13°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,24	2125
2,00	0,47	531
3,00	0,71	236
4,00	0,95	133
5,00	1,19	85



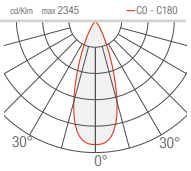
M - 28°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,51	651
2,00	1,02	163
3,00	1,53	72
4,00	2,04	41
5,00	2,55	26



L - 37°

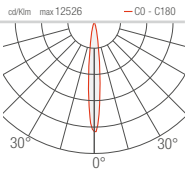
H (m)	Ø (m)	Lux max (3000K)
1,00	0,66	394
2,00	1,32	98
3,00	1,99	44
4,00	2,65	25
5,00	3,31	16



CORSO 2.0

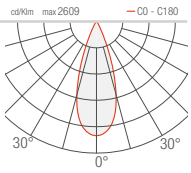
S - 12°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,21	5580
2,00	0,41	1395
3,00	0,62	620
4,00	0,82	349
5,00	1,03	223



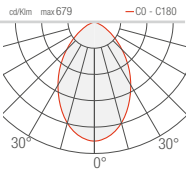
M - 36°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,65	1315
2,00	1,30	329
3,00	1,96	146
4,00	2,61	82
5,00	3,26	53



L - 70°

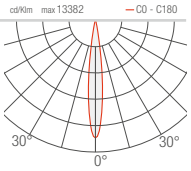
H (m)	Ø (m)	Lux max (3000K)
1,00	1,44	315
2,00	2,88	79
3,00	4,32	35
4,00	5,77	20
5,00	7,21	13



CORSO 3.0

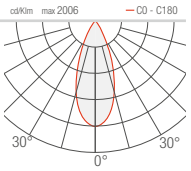
S - 13°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,23	10585
2,00	0,46	2646
3,00	0,70	1176
4,00	0,93	662
5,00	1,16	423



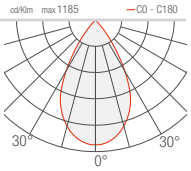
M - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,73	2148
2,00	1,47	537
3,00	2,20	239
4,00	2,93	134
5,00	3,67	86



L - 58°

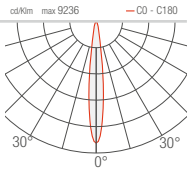
H (m)	Ø (m)	Lux max (3000K)
1,00	1,12	1314
2,00	2,25	328
3,00	3,37	146
4,00	4,49	82
5,00	5,61	53



CORSO 4.0

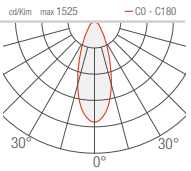
S - 13°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,23	16071
2,00	0,46	4018
3,00	0,70	1786
4,00	0,93	1004
5,00	1,16	643



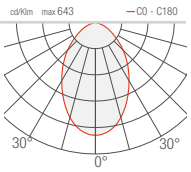
M - 38°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,69	2618
2,00	1,38	655
3,00	2,07	291
4,00	2,76	164
5,00	3,45	105



L - 71°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,43	1079
2,00	2,86	270
3,00	4,30	120
4,00	5,73	67
5,00	7,16	43



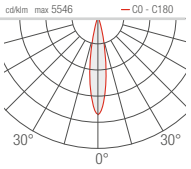
CUBE C / CUBE W

OUTDOOR CEILING MOUNTED / OUTDOOR WALL MOUNTED

CUBE C 1.2
CUBE W 1.0

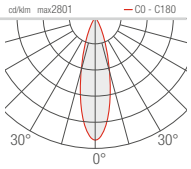
S - 18°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,33	1873
2,00	0,67	468
3,00	1,00	208
4,00	1,34	117
5,00	1,67	75



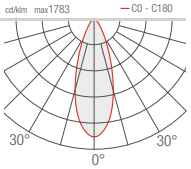
M - 28°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,50	944
2,00	1,00	236
3,00	1,50	105
4,00	2,00	59
5,00	2,50	38



L - 36°

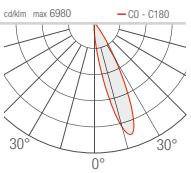
H (m)	Ø (m)	Lux max (3000K)
1,00	0,66	574
2,00	1,32	144
3,00	1,98	64
4,00	2,64	36
5,00	3,30	23



CUBE C 1.3
CUBE W 1.1

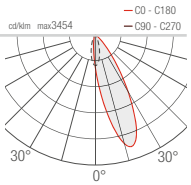
S - 18° tilted 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,37	1842
2,00	0,73	461
3,00	1,10	205
4,00	1,46	115
5,00	1,83	74



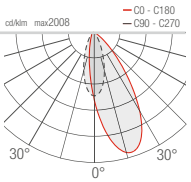
M - 28° tilted 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,51	886
2,00	1,03	222
3,00	1,54	98
4,00	2,06	55
5,00	2,57	35



L - 36° tilted 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,73	492
2,00	1,47	123
3,00	2,20	55
4,00	2,93	31
5,00	3,67	20



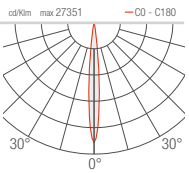
DUOMO

INDOOR PROJECTORS

DUOMO 1.0

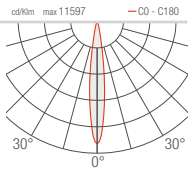
T - 10° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,34	4718
4,00	0,69	1180
6,00	1,03	524
8,00	1,37	295
10,00	1,71	189



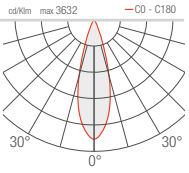
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,48	2001
4,00	0,96	500
6,00	1,43	222
8,00	1,91	125
10,00	2,39	80



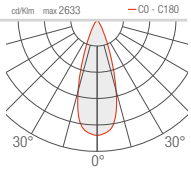
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,05	648
4,00	2,10	162
6,00	3,15	72
8,00	4,21	41
10,00	5,26	26



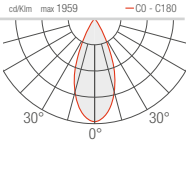
L - 35° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,25	449
4,00	2,51	112
6,00	3,76	50
8,00	5,01	28
10,00	6,26	18



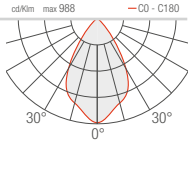
J - 43° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,59	343
4,00	3,17	86
6,00	4,76	38
8,00	6,34	21
10,00	7,93	14



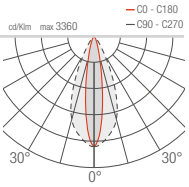
K - 63° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	2,44	146
4,00	4,88	36
6,00	7,31	16
8,00	9,75	9
10,00	12,19	6



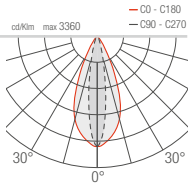
W - 18°x44° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,62	1,61	550
4,00	1,23	3,23	137
6,00	1,85	4,84	61
8,00	2,47	6,46	34
10,00	3,08	8,07	22



X - 44°x18° CRI 80

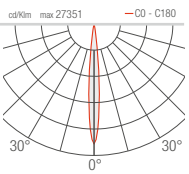
H (m)			Lux max (3000K)
2,00	1,61	0,62	550
4,00	3,23	1,23	137
6,00	4,84	1,85	61
8,00	6,46	2,47	34
10,00	8,07	3,08	22



DUOMO 2.0

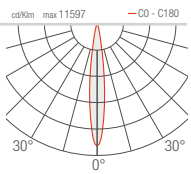
T - 10° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,34	9436
4,00	0,69	2359
6,00	1,03	1048
8,00	1,37	590
10,00	1,71	377



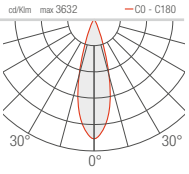
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,48	4001
4,00	0,96	1000
6,00	1,43	445
8,00	1,91	250
10,00	2,39	160



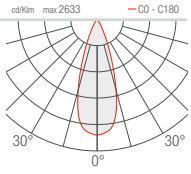
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,05	1297
4,00	2,10	324
6,00	3,15	144
8,00	4,21	81
10,00	5,26	52



L - 35° CRI 80

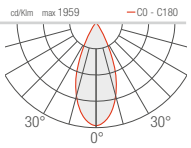
H (m)	Ø (m)	Lux max (3000K)
2,00	1,25	898
4,00	2,51	224
6,00	3,76	100
8,00	5,01	56
10,00	6,26	36



DUOMO 2.0

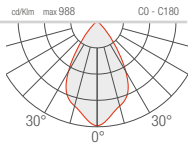
J - 43° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,59	686
4,00	3,17	171
6,00	4,76	76
8,00	6,34	43
10,00	7,93	27



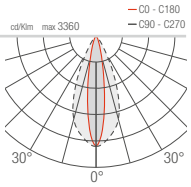
K - 63° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	2,44	291
4,00	4,88	73
6,00	7,31	32
8,00	9,75	18
10,00	12,19	12



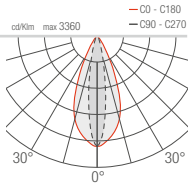
W - 18°x44° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,62	1,61	1100
4,00	1,23	3,23	275
6,00	1,85	4,84	122
8,00	2,47	6,46	69
10,00	3,08	8,07	44



X - 44°x18° CRI 80

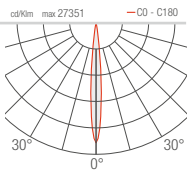
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	1,61	0,62	1100
4,00	3,23	1,23	275
6,00	4,84	1,85	122
8,00	6,46	2,47	69
10,00	8,07	3,08	44



DUOMO 3.0

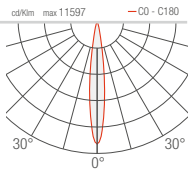
T - 10° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,34	14154
4,00	0,69	3539
6,00	1,03	1573
8,00	1,37	885
10,00	1,71	566



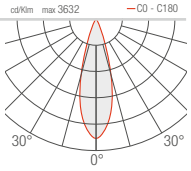
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,48	6002
4,00	0,96	1500
6,00	1,43	667
8,00	1,91	375
10,00	2,39	240



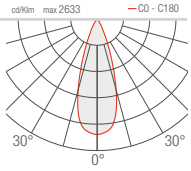
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,05	1945
4,00	2,10	486
6,00	3,15	216
8,00	4,21	122
10,00	5,26	78



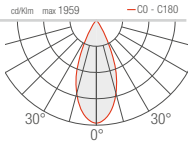
L - 35° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,25	1347
4,00	2,51	337
6,00	3,76	150
8,00	5,01	84
10,00	6,26	54



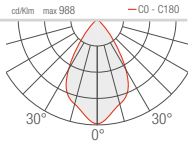
J - 43° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,59	1028
4,00	3,17	257
6,00	4,76	114
8,00	6,34	64
10,00	7,93	41



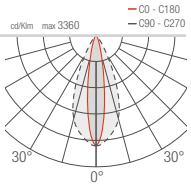
K - 63° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	2,44	437
4,00	4,88	109
6,00	7,31	49
8,00	9,75	27
10,00	12,19	17



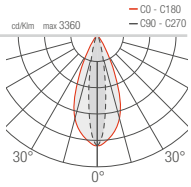
W - 18°x44° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,62	1,61	1650
4,00	1,23	3,23	412
6,00	1,85	4,84	183
8,00	2,47	6,46	103
10,00	3,08	8,07	66



X - 44°x18° CRI 80

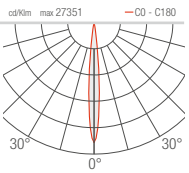
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	1,61	0,62	1650
4,00	3,23	1,23	412
6,00	4,84	1,85	183
8,00	6,46	2,47	103
10,00	8,07	3,08	66



DUOMO 4.0

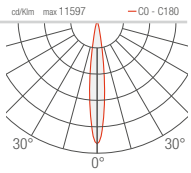
T - 10° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,34	28308
4,00	0,69	7077
6,00	1,03	3145
8,00	1,37	1769
10,00	1,71	1132



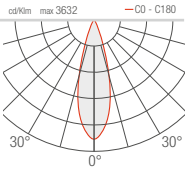
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,48	12003
4,00	0,96	3001
6,00	1,43	1334
8,00	1,91	750
10,00	2,39	480



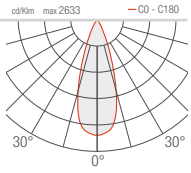
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,05	3890
4,00	2,10	972
6,00	3,15	432
8,00	4,21	243
10,00	5,26	156



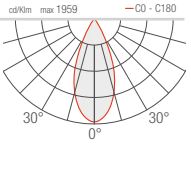
L - 35° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,25	2693
4,00	2,51	673
6,00	3,76	299
8,00	5,01	168
10,00	6,26	108



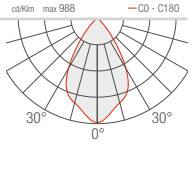
J - 43° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,59	2057
4,00	3,17	514
6,00	4,76	229
8,00	6,34	129
10,00	7,93	82



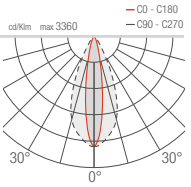
K - 63° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	2,44	874
4,00	4,88	219
6,00	7,31	97
8,00	9,75	55
10,00	12,19	35



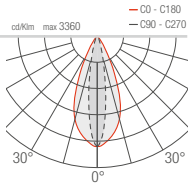
W - 18°x44° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,62	1,61	3300
4,00	1,23	3,23	825
6,00	1,85	4,84	367
8,00	2,47	6,46	206
10,00	3,08	8,07	132



X - 44°x18° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	1,61	0,62	3300
4,00	3,23	1,23	825
6,00	4,84	1,85	367
8,00	6,46	2,47	206
10,00	8,07	3,08	132



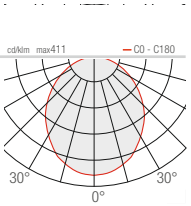
ECHO LED

INDOOR RECESSED

ECHO LED 1.0

D - Diffuse

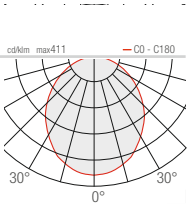
H (m)	Ø (m)	Lux max (3000K)
0,50	1,22	2055
1,00	2,44	514
2,00	4,90	128
2,50	6,00	82
3,00	7,10	57



ECHO LED 2.0

D - Diffuse

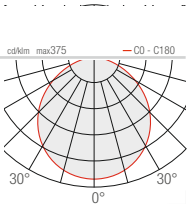
H (m)	Ø (m)	Lux max (3000K)
0,50	1,22	2762
1,00	2,44	690
2,00	4,90	173
2,50	6,00	110
3,00	7,10	77



ECHO LED 3.0
4.0

D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
0,50	1,22	3630
1,00	2,44	907
2,00	4,90	227
2,50	6,00	145
3,00	7,10	101



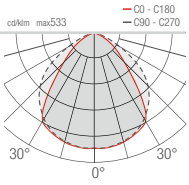
ELLA IN / ELLA OUT

INDOOR WALL MOUNTED / OUTDOOR WALL MOUNTED

ELLA IN 1.0
ELLA OUT 1.0

D - Diffuse

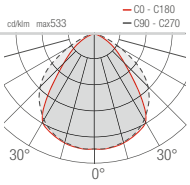
H (m)	Ø (m)	Lux max (3000K)
1,00	1,55	262
2,00	3,11	66
3,00	4,66	29
4,00	6,21	16
5,00	7,76	10



ELLA IN 2.0
ELLA OUT 2.0

D - Diffuse

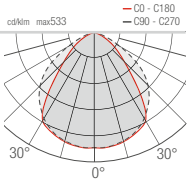
H (m)	Ø (m)	Lux max (3000K)
1,00	1,55	525
2,00	3,11	131
3,00	4,66	58
4,00	6,21	33
5,00	7,76	21



ELLA IN 3.0
ELLA OUT 3.0

D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
1,00	1,55	787
2,00	3,11	197
3,00	4,66	87
4,00	6,21	49
5,00	7,76	31



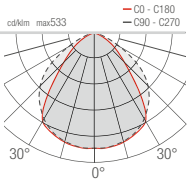
ELLO IN / ELLO OUT

INDOOR CEILING MOUNTED / OUTDOOR CEILING MOUNTED

ELLO IN 1.0
ELLO OUT 1.0

D - Diffuse

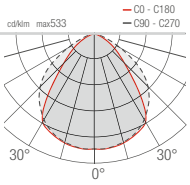
H (m)	Ø (m)	Lux max (3000K)
1,00	1,55	262
2,00	3,11	66
3,00	4,66	29
4,00	6,21	16
5,00	7,76	10



ELLO IN 2.0
ELLO OUT 2.0

D - Diffuse

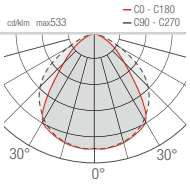
H (m)	Ø (m)	Lux max (3000K)
1,00	1,55	525
2,00	3,11	131
3,00	4,66	58
4,00	6,21	33
5,00	7,76	21



ELLO IN 3.0
ELLO OUT 3.0

D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
1,00	1,55	787
2,00	3,11	197
3,00	4,66	87
4,00	6,21	49
5,00	7,76	31



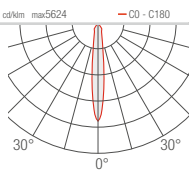
ESEM

INDOOR RECESSED

ESEM MINI 1.0 / 1.1 / 1.6 / 1.7

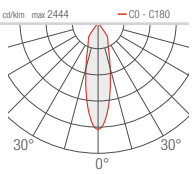
S - 14°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,12	2781
1,00	0,24	695
1,50	0,36	309
2,00	0,49	174
2,50	0,61	111
3,00	0,73	77



M - 27°

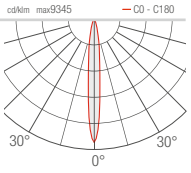
H (m)	Ø (m)	Lux max (3000K)
0,50	0,24	1222
1,00	0,48	305
1,50	0,72	136
2,00	0,96	76
2,50	1,20	49
3,00	1,44	34



ESEM MID 1.0 / 1.1 / 1.6 / 1.7

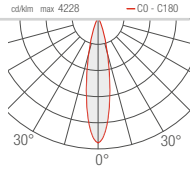
S - 11°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,09	8248
1,00	0,19	2062
1,50	0,28	916
2,00	0,38	515
2,50	0,47	330
3,00	0,57	229



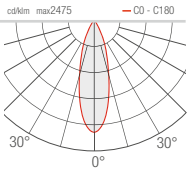
M - 22°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,19	3713
1,00	0,38	928
1,50	0,57	413
2,00	0,76	232
2,50	0,95	149
3,00	1,14	103



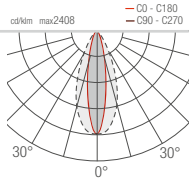
L - 30°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,27	2347
1,00	0,54	587
1,50	0,81	261
2,00	1,08	147
2,50	1,35	94
3,00	1,62	65



W - 20°x45°

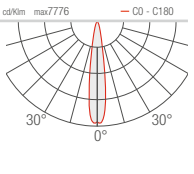
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,18	0,40	1781
1,00	0,37	0,81	445
1,50	0,55	1,21	198
2,00	0,74	1,61	111
2,50	0,92	2,02	71
3,00	1,10	2,42	49



ESEM 2.0 / 2.6

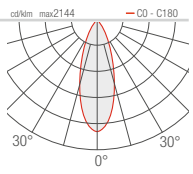
S - 16°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,15	3789
1,00	0,29	947
1,50	0,44	421
2,00	0,59	237
2,50	0,73	152
3,00	0,88	105



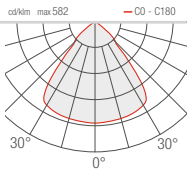
M - 36°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,32	1047
1,00	0,63	262
1,50	0,95	116
2,00	1,27	65
2,50	1,59	42
3,00	1,90	29



L - 80°

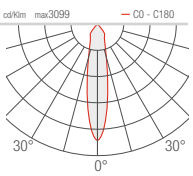
H (m)	Ø (m)	Lux max (3000K)
0,50	0,86	240
1,00	1,71	60
1,50	2,57	27
2,00	3,43	15
2,50	4,29	10
3,00	5,14	7



ESEM 3.0 3.1

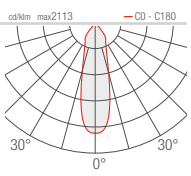
S - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,18	5138
1,00	0,36	1284
1,50	0,54	571
2,00	0,71	321
2,50	0,89	206
3,00	1,07	143



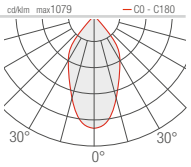
M - 30°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,26	3596
1,00	0,51	899
1,50	0,77	400
2,00	1,03	225
2,50	1,28	144
3,00	1,57	100



L - 54°

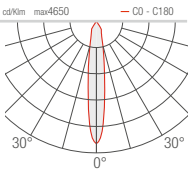
H (m)	Ø (m)	Lux max (3000K)
0,50	0,52	1835
1,00	1,03	459
1,50	1,55	204
2,00	2,07	115
2,50	2,59	73
3,00	3,10	51



ESEM 3.2

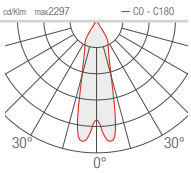
S - 16°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,14	7812
1,00	0,27	1953
1,50	0,41	868
2,00	0,55	488
2,50	0,69	312
3,00	0,82	217



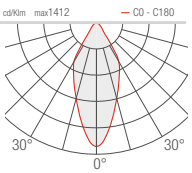
M - 29°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,26	3944
1,00	0,52	986
1,50	0,77	438
2,00	1,03	246
2,50	1,29	158
3,00	1,55	110



L - 46°

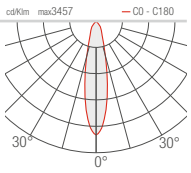
H (m)	Ø (m)	Lux max (3000K)
0,50	0,39	2401
1,00	0,79	600
1,50	1,18	267
2,00	1,57	150
2,50	1,96	96
3,00	2,36	67



ESEM 4.0 4.1

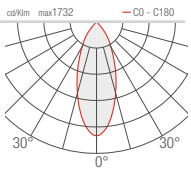
M - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,20	13227
1,00	0,40	3307
1,50	0,59	1470
2,00	0,79	827
2,50	0,99	529
3,00	1,19	367



L - 40°

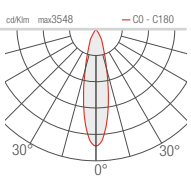
H (m)	Ø (m)	Lux max (3000K)
0,50	0,36	6611
1,00	0,72	1653
1,50	1,08	735
2,00	1,44	413
2,50	1,80	264
3,00	2,16	184



ESEM 4.2

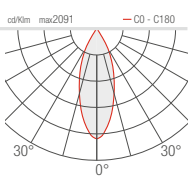
M - 24°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,21	13342
1,00	0,43	3336
1,50	0,64	1482
2,00	0,85	834
2,50	1,07	534
3,00	1,28	371



L - 37°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,33	7878
1,00	0,67	1970
1,50	1,00	875
2,00	1,34	492
2,50	1,67	315
3,00	2,00	219



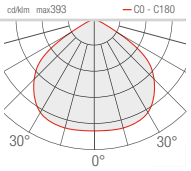
EYES

INDOOR RECESSED

EYES 1.0
1.2
1.6
1.8

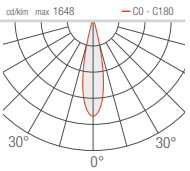
D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
0,50	1,44	79
1,00	2,87	20
1,50	4,31	9
2,00	5,74	5
2,50	7,18	3
3,00	8,61	2



F - 40°

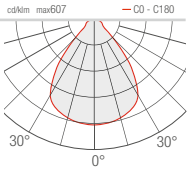
H (m)	Ø (m)	Lux max (3000K)
0,50	0,34	356
1,00	0,69	89
1,50	1,03	40
2,00	1,37	22
2,50	1,72	14
3,00	2,06	10



EYES 2.0
2.2

D - Diffuse

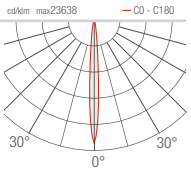
H (m)	Ø (m)	Lux max (3000K)
0,50	0,83	177
1,00	1,66	44
1,50	2,49	20
2,00	3,32	11
2,50	4,15	7
3,00	4,98	5



EYES 2.1
2.3
2.7
2.9

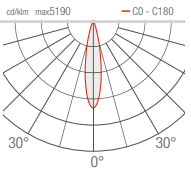
S - 10°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,07	11819
1,00	0,14	2955
1,50	0,21	1313
2,00	0,28	739
2,50	0,35	473
3,00	0,42	328



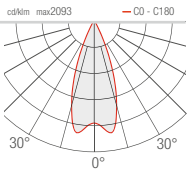
M - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,18	2388
1,00	0,36	597
1,50	0,54	265
2,00	0,72	149
2,50	0,90	96
3,00	1,08	66



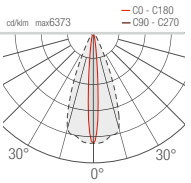
L - 40°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,36	962
1,00	0,73	241
1,50	1,09	107
2,00	1,45	60
2,50	1,81	38
3,00	2,18	27



W - 10°x45°

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,07	0,39	3029
1,00	0,14	0,77	757
1,50	0,21	1,16	337
2,00	0,28	1,54	189
2,50	0,35	1,93	121
3,00	0,42	2,32	84



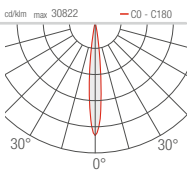
FLORI

OUTDOOR PROJECTORS

FLORI 1.0 1.1

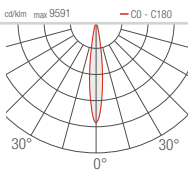
V - 9° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,20	11404
2,00	0,41	2851
3,00	0,61	1267
4,00	0,81	713
5,00	1,02	456



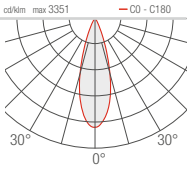
S - 15° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,27	3717
2,00	0,54	929
3,00	0,80	413
4,00	1,07	232
5,00	1,34	149



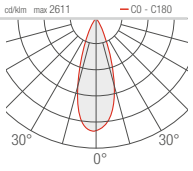
M - 31° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,55	1229
2,00	1,11	307
3,00	1,66	137
4,00	2,21	77
5,00	2,76	49



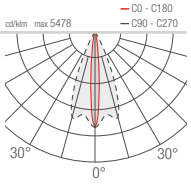
L - 36° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,64	920
2,00	1,29	230
3,00	1,93	102
4,00	2,57	58
5,00	3,22	37



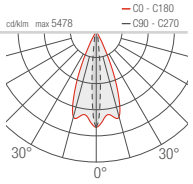
W - 10°x45° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,18	0,82	2542
2,00	0,36	1,64	635
3,00	0,54	2,46	282
4,00	0,71	3,28	159
5,00	0,89	4,10	102



X - 45°x10° CRI 80

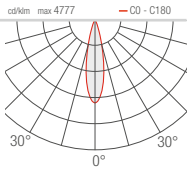
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,82	0,18	2542
2,00	1,64	0,36	635
3,00	2,46	0,54	282
4,00	3,28	0,71	159
5,00	4,10	0,89	102



FLORI 1.2 1.3

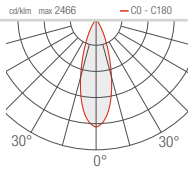
S - 24°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,42	1456
2,00	0,84	364
3,00	1,26	162
4,00	1,68	91
5,00	2,10	58



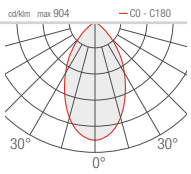
M - 33°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,59	749
2,00	1,18	187
3,00	1,77	83
4,00	2,36	47
5,00	2,95	30



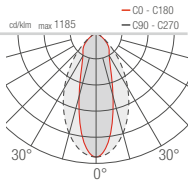
L - 60°

H (m)	Ø (m)	Lux max (4000K)
1,00	1,16	265
2,00	2,31	66
3,00	3,47	29
4,00	4,63	17
5,00	5,79	11



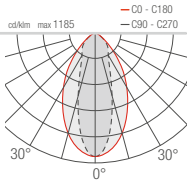
W - 32°x61°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,57	1,18	336
2,00	1,13	2,36	84
3,00	1,70	3,55	37
4,00	2,26	4,73	21
5,00	2,83	5,91	13



X - 61°x32°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	1,18	0,57	336
2,00	2,36	1,13	84
3,00	3,55	1,70	37
4,00	4,73	2,26	21
5,00	5,91	2,83	13



GEKO

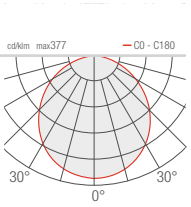
OUTDOOR WALL MOUNTED

GEKO 5.0

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	10W	16W
1,00	2,72	201	311
2,00	5,43	51	78
3,00	8,15	23	35
4,00	10,86	13	19
5,00	13,58	9	12

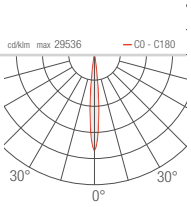


GEKO 5.1

T - 7°

Lux max (3000K)

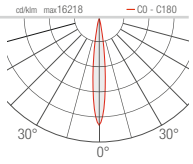
H (m)	Ø (m)	
1,00	0,06	17308
2,00	0,13	4327
3,00	0,25	1923
4,00	0,31	1082
5,00	0,38	692



S - 10°

Lux max (3000K)

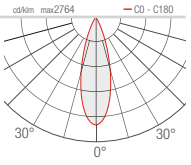
H (m)	Ø (m)	
1,00	0,23	9082
2,00	0,46	2271
3,00	0,69	1009
4,00	0,92	568
5,00	1,15	363



F - 30°

Lux max (3000K)

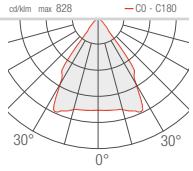
H (m)	Ø (m)	
1,00	0,56	1479
2,00	1,12	370
3,00	1,68	164
4,00	2,24	92
5,00	2,79	59



K - 70°

Lux max (3000K)

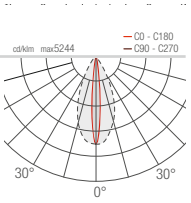
H (m)	Ø (m)	
1,00	1,48	387
2,00	2,95	97
3,00	4,43	43
4,00	5,91	24
5,00	7,38	15



W - 10°x45°

Lux max (3000K)

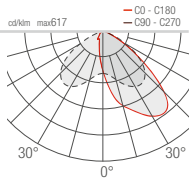
H (m)	Ø (m)	Ø (m)	
1,00	0,19	0,86	2625
2,00	0,37	1,71	656
3,00	0,56	2,57	292
4,00	0,74	3,42	164
5,00	0,93	4,28	105



A - Asymmetrical

Lux max (3000K)

H (m)	Ø (m)	
1,00	3,26	212
2,00	6,52	53
3,00	9,78	24
4,00	13,04	13
5,00	16,30	8



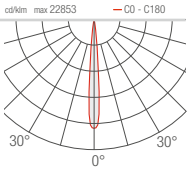
GEM

INDOOR PROJECTORS

GEM 1.0

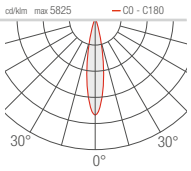
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	2194
2,00	0,34	548
3,00	0,52	244
4,00	0,69	137
5,00	0,86	88



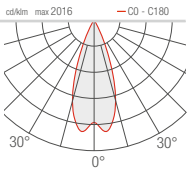
M - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,35	553
2,00	0,70	138
3,00	1,06	61
4,00	1,41	35
5,00	1,76	22



L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,77	187
2,00	1,53	47
3,00	2,30	21
4,00	3,06	12
5,00	3,83	7



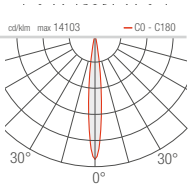
GINKO

OUTDOOR PROJECTORS

GINKO 1.0

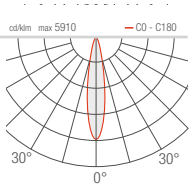
T - 12° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,21	1520	2022
2,00	0,41	380	505
3,00	0,62	169	225
4,00	0,83	95	126
5,00	1,03	61	81



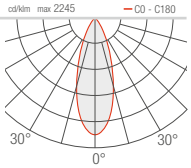
S - 19° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,34	856	1139
2,00	0,68	214	285
3,00	1,01	95	127
4,00	1,35	54	71
5,00	1,69	34	46



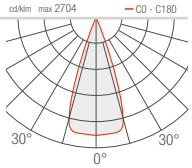
M - 36° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,64	298	402
2,00	1,28	74	100
3,00	1,92	33	45
4,00	2,56	19	25
5,00	3,20	12	16



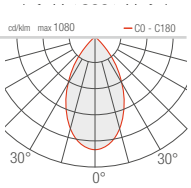
U - 38° sharp CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,68	118	157
2,00	1,36	30	39
3,00	2,04	13	17
4,00	2,72	7	10
5,00	3,41	5	6



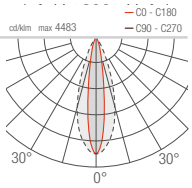
Q - 58° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**2,5W**	**3,5W**
1,00	1,11	118	158
2,00	2,23	30	39
3,00	3,34	13	18
4,00	4,46	7	10
5,00	5,57	5	6



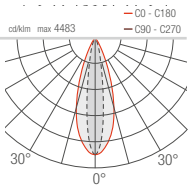
W - 16°x36° CRI 80

			Lux max (3000K)	
H (m)	Ø (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,28	0,64	684	910
2,00	0,56	1,27	171	228
3,00	0,84	1,91	76	101
4,00	1,12	2,55	43	57
5,00	1,40	3,18	27	36



X - 36°x16° CRI 80

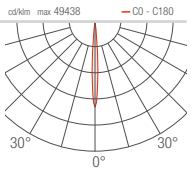
			Lux max (3000K)	
H (m)	Ø (m)	Ø (m)	**2,5W**	**3,5W**
1,00	0,64	0,28	684	910
2,00	1,27	0,56	171	228
3,00	1,91	0,84	76	101
4,00	2,55	1,12	43	57
5,00	3,18	1,40	27	36



GINKO 1.4

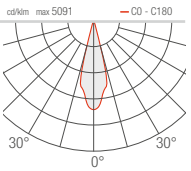
R1 - 8° (8°–28°) CRI 80

		Lux max (3000K)
H (m)	Ø (m)	
1,00	0,13	1139
2,00	0,26	285
3,00	0,39	127
4,00	0,52	71
5,00	0,64	46



R1 - 28° (8°–28°) CRI 80

		Lux max (3000K)
H (m)	Ø (m)	
1,00	0,50	213
2,00	1,00	53
3,00	1,49	24
4,00	1,99	13
5,00	2,49	9

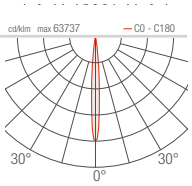


GINKO 2.0

U - 5° CRI 80

Lux max (3000K)

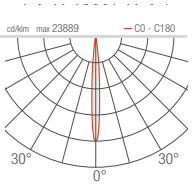
H (m)	Ø (m)	3,5W
1,00	0,09	11291
2,00	0,18	2823
3,00	0,27	1255
4,00	0,36	706
5,00	0,45	452



V - 8° CRI 80

Lux max (3000K)

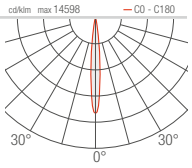
H (m)	Ø (m)	5W	7W
1,00	0,15	6998	9219
2,00	0,30	1749	2305
3,00	0,45	778	1024
4,00	0,60	437	576
5,00	0,75	280	369



T - 11° CRI 80

Lux max (3000K)

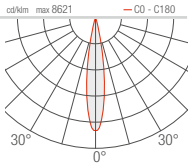
H (m)	Ø (m)	5W	7W
1,00	0,19	4904	6466
2,00	0,38	1226	1617
3,00	0,57	545	718
4,00	0,76	307	404
5,00	0,95	196	259



S - 17° CRI 80

Lux max (3000K)

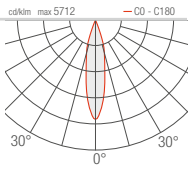
H (m)	Ø (m)	5W	7W
1,00	0,30	2914	3845
2,00	0,60	728	962
3,00	0,91	324	427
4,00	1,21	182	240
5,00	1,51	117	154



P - 21° sharp CRI 80

Lux max (3000K)

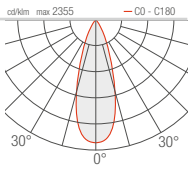
H (m)	Ø (m)	5W	7W
1,00	0,38	1400	1845
2,00	0,75	350	461
3,00	1,13	156	205
4,00	1,51	87	115
5,00	1,89	56	74



M - 34° CRI 80

Lux max (3000K)

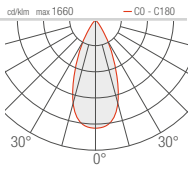
H (m)	Ø (m)	5W	7W
1,00	0,61	723	951
2,00	1,23	181	238
3,00	1,84	80	106
4,00	2,45	45	59
5,00	3,06	29	38



L - 45° CRI 80

Lux max (3000K)

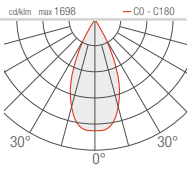
H (m)	Ø (m)	5W	7W
1,00	0,82	469	619
2,00	1,63	117	155
3,00	2,47	52	69
4,00	3,27	29	39
5,00	4,08	19	25



J - 47° CRI 80

Lux max (3000K)

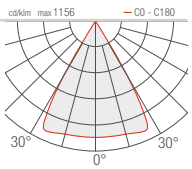
H (m)	Ø (m)	5W	7W
1,00	0,88	477	628
2,00	1,76	119	157
3,00	2,64	53	70
4,00	3,51	30	39
5,00	4,39	19	25



Q - 61° sharp CRI 80

Lux max (3000K)

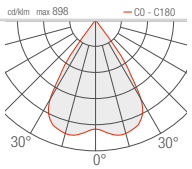
H (m)	Ø (m)	5W	7W
1,00	1,18	239	315
2,00	2,36	60	79
3,00	3,55	27	35
4,00	4,73	15	20
5,00	5,91	10	13



K - 68° CRI 80

Lux max (3000K)

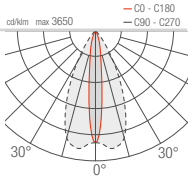
H (m)	Ø (m)	5W	7W
1,00	1,35	204	270
2,00	2,70	51	68
3,00	4,05	23	30
4,00	5,40	13	17
5,00	6,75	8	11



W - 13°x52° CRI 80

Lux max (3000K)

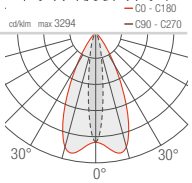
H (m)	Ø (m)	Ø (m)	5W	7W
1,00	0,23	0,98	1123	1478
2,00	0,43	1,96	281	370
3,00	0,70	2,93	125	164
4,00	0,93	3,91	70	92
5,00	1,17	4,89	45	59



X - 54°x15° CRI 80

Lux max (3000K)

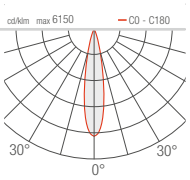
H (m)	Ø (m)	Ø (m)	5W	7W
1,00	1,01	0,27	928	1234
2,00	2,03	0,54	232	309
3,00	3,04	0,81	103	137
4,00	4,05	1,08	58	77
5,00	5,07	1,34	37	49



GINKO 2.2

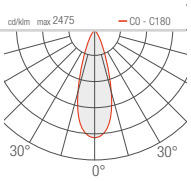
S - 20°

H (m)	Ø (m)	Lux max (white*)
1,00	0,35	1248
2,00	0,71	312
3,00	1,06	139
4,00	1,42	78
5,00	1,77	50



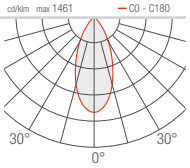
M - 34°

H (m)	Ø (m)	Lux max (white*)
1,00	0,61	455
2,00	1,22	114
3,00	1,83	51
4,00	2,44	28
5,00	3,05	18



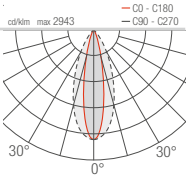
L - 45°

H (m)	Ø (m)	Lux max (white*)
1,00	0,83	232
2,00	1,66	58
3,00	2,50	26
4,00	3,33	14
5,00	4,16	9



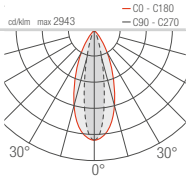
W - 21°x42°

H (m)	Ø (m)	Ø (m)	Lux max (white*)
1,00	0,37	0,76	543
2,00	0,73	1,53	136
3,00	1,10	2,29	60
4,00	1,47	3,06	34
5,00	1,83	3,82	22



X - 42°x21°

H (m)	Ø (m)	Ø (m)	Lux max (white*)
1,00	0,76	0,37	543
2,00	1,53	0,73	136
3,00	2,29	1,10	60
4,00	3,06	1,47	34
5,00	3,82	1,83	22

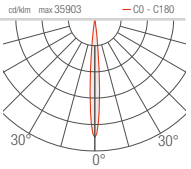


* White created by mixing the colours

GINKO 2.4

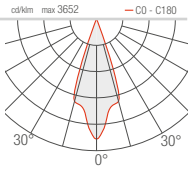
R1 - 9° (9°–36°) CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,15	3626
2,00	0,31	907
3,00	0,46	403
4,00	0,62	227
5,00	0,77	145



R1 - 36° (9°–36°) CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,65	446
2,00	1,31	111
3,00	1,96	50
4,00	2,61	28
5,00	3,26	18

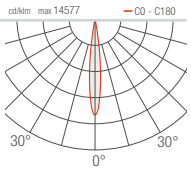


GINKO 3.0

S - 13° CRI 80

Lux max (3000K)

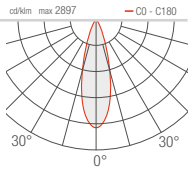
H (m)	Ø (m)	10W	15W
1,00	0,23	8005	12408
2,00	0,45	2001	3102
3,00	0,68	889	1379
4,00	0,90	500	776
5,00	1,13	320	496



M - 30° CRI 80

Lux max (3000K)

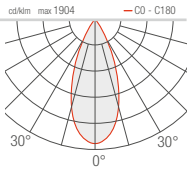
H (m)	Ø (m)	10W	15W
1,00	0,53	1634	2532
2,00	1,07	408	633
3,00	1,60	182	281
4,00	2,13	102	158
5,00	2,67	65	101



L - 42° CRI 80

Lux max (3000K)

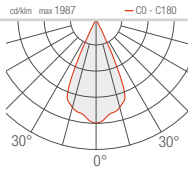
H (m)	Ø (m)	10W	15W
1,00	0,77	1428	2213
2,00	1,55	357	553
3,00	2,32	159	246
4,00	3,10	89	138
5,00	3,87	57	89



P - 48° sharp CRI 80

Lux max (3000K)

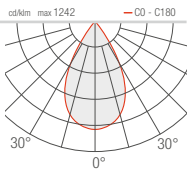
H (m)	Ø (m)	10W	15W
1,00	0,88	767	1189
2,00	1,76	192	297
3,00	2,64	85	132
4,00	3,52	48	74
5,00	4,40	31	48



J - 58° CRI 80

Lux max (3000K)

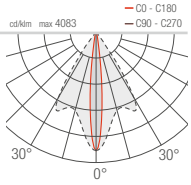
H (m)	Ø (m)	10W	15W
1,00	1,11	963	1492
2,00	2,21	241	373
3,00	3,32	107	166
4,00	4,43	60	93
5,00	5,54	39	60



W - 12°x64° adjustable CRI 80

Lux max (3000K)

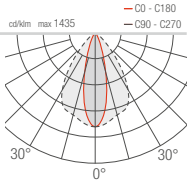
H (m)	Ø (m)	Ø (m)	10W	15W
1,00	0,20	1,25	2314	3587
2,00	0,40	2,50	579	897
3,00	0,59	3,75	257	399
4,00	0,79	5,00	145	224
5,00	0,99	6,25	93	143



X - 28°x72° adjustable CRI 80

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	10W	15W
1,00	1,44	0,49	757	1174
2,00	2,87	0,98	189	293
3,00	4,31	1,47	84	130
4,00	5,74	1,96	47	73
5,00	7,18	2,45	30	47

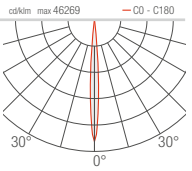


GINKO 3.4

R1 - 8° (8°–38°) CRI 80

Lux max (3000K)

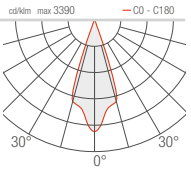
H (m)	Ø (m)	
1,00	0,13	10827
2,00	0,26	2707
3,00	0,39	1203
4,00	0,52	677
5,00	0,66	433



R1 - 38° (8°–38°) CRI 80

Lux max (3000K)

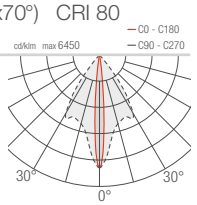
H (m)	Ø (m)	
1,00	0,66	1186
2,00	1,31	297
3,00	1,97	132
4,00	2,62	74
5,00	3,28	47



R2 - 8°x66° (8°x66° – 36°x70°) CRI 80

Lux max (3000K)

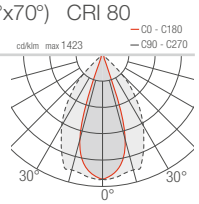
H (m)	Ø (m)	Ø (m)	
1,00	0,16	1,25	1258
2,00	0,32	2,51	314
3,00	0,47	3,76	140
4,00	0,63	5,01	79
5,00	0,79	6,27	50



R2 - 36°x70° (8°x66° – 36°x70°) CRI 80

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	
1,00	0,64	1,43	448
2,00	1,27	2,86	112
3,00	1,91	4,29	50
4,00	2,54	5,73	28
5,00	3,18	7,16	18

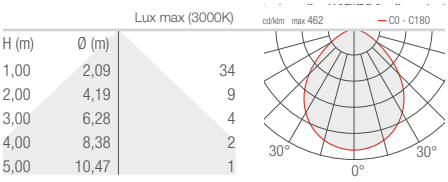


GOCCIA

OUTDOOR STEP LIGHTS

GOCCIA 2.6
2.7

D - Diffuse



ICE LED

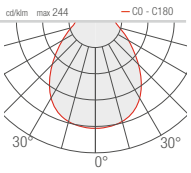
OUTDOOR STEP LIGHTS

ICE LED 1.0
1.1

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	
0,50	1,17	87
1,00	2,33	22
1,50	3,50	10
2,00	4,67	6
2,50	5,83	4



INTONO

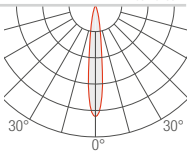
OUTDOOR WALL MOUNTED

INTONO 1.1

S - 13° CRI 80

Lux max (3000K) cd/klm max 10571 — C0 - C180

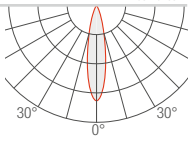
H (m)	Ø (m)	
1,00	0,24	1533
2,00	0,48	383
3,00	0,71	170
4,00	0,95	96
5,00	1,19	61



M - 22° CRI 80

Lux max (3000K) cd/klm max 4901 — C0 - C180

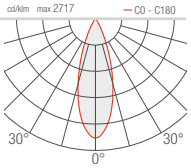
H (m)	Ø (m)	
1,00	0,38	716
2,00	0,77	179
3,00	1,15	80
4,00	1,53	45
5,00	1,92	29



L - 33° CRI 80

Lux max (3000K) cd/klm max 2717 — C0 - C180

H (m)	Ø (m)	
1,00	0,59	304
2,00	1,19	76
3,00	1,78	34
4,00	2,37	19
5,00	2,97	12

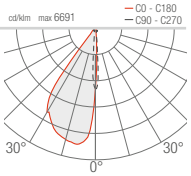


INTONO 2.1

Z - Asymmetrical 8° CRI 80

Lux max (3000K) cd/klm max 6691 — C0 - C180 — C90 - C270

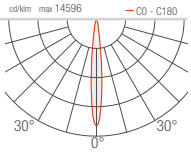
H (m)	Ø (m)	
1,00	0,14	272
2,00	0,27	68
3,00	0,41	30
4,00	0,54	17
5,00	0,68	11



T - 11° CRI 80

Lux max (3000K) cd/klm max 14596 — C0 - C180

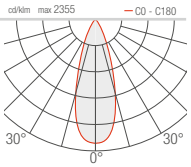
H (m)	Ø (m)	
1,00	0,20	4904
2,00	0,39	1226
3,00	0,59	545
4,00	0,79	307
5,00	0,98	196



M - 34° CRI 80

Lux max (3000K) cd/klm max 2355 — C0 - C180

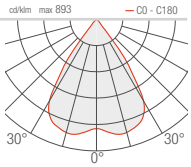
H (m)	Ø (m)	
1,00	0,62	829
2,00	1,24	207
3,00	1,85	92
4,00	2,47	52
5,00	3,09	33



K - 68° CRI 80

Lux max (3000K) cd/klm max 893 — C0 - C180

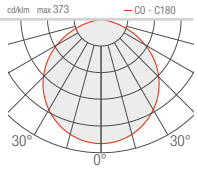
H (m)	Ø (m)	
1,00	1,38	204
2,00	2,75	51
3,00	4,13	23
4,00	5,50	13
5,00	6,88	8



D - Diffuse CRI 80

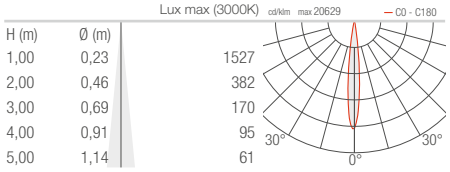
Lux max (3000K) cd/klm max 373 — C0 - C180

H (m)	Ø (m)	
1,00	2,84	69
2,00	5,69	17
3,00	8,53	8
4,00	11,38	4
5,00	14,22	3



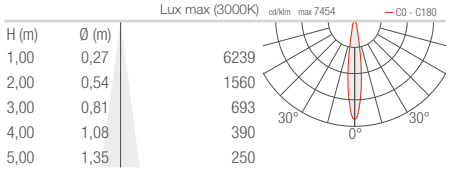
INTONO 3.1

Z - Asymmetrical 11° CRI 80



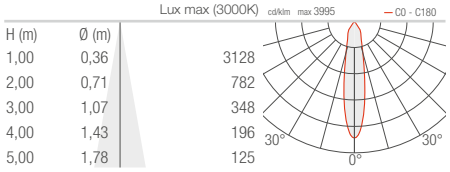
H (m)	Ø (m)	
1,00	0,23	1527
2,00	0,46	382
3,00	0,69	170
4,00	0,91	95
5,00	1,14	61

S - 15° CRI 80



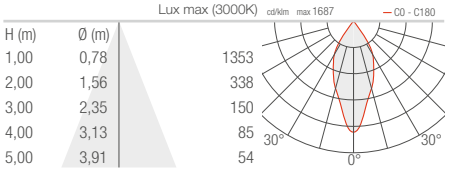
H (m)	Ø (m)	
1,00	0,27	6239
2,00	0,54	1560
3,00	0,81	693
4,00	1,08	390
5,00	1,35	250

M - 20° CRI 80



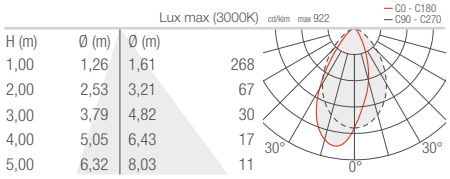
H (m)	Ø (m)	
1,00	0,36	3128
2,00	0,71	782
3,00	1,07	348
4,00	1,43	196
5,00	1,78	125

L - 43° CRI 80



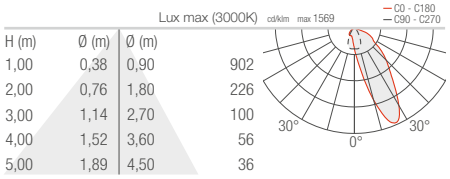
H (m)	Ø (m)	
1,00	0,78	1353
2,00	1,56	338
3,00	2,35	150
4,00	3,13	85
5,00	3,91	54

W - Wall grazing CRI 80



H (m)	Ø (m)	Ø (m)	
1,00	1,26	1,61	268
2,00	2,53	3,21	67
3,00	3,79	4,82	30
4,00	5,05	6,43	17
5,00	6,32	8,03	11

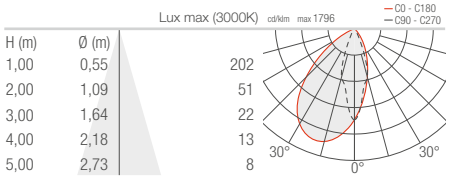
A - Asymmetrical CRI 80



H (m)	Ø (m)	Ø (m)	
1,00	0,38	0,90	902
2,00	0,76	1,80	226
3,00	1,14	2,70	100
4,00	1,52	3,60	56
5,00	1,89	4,50	36

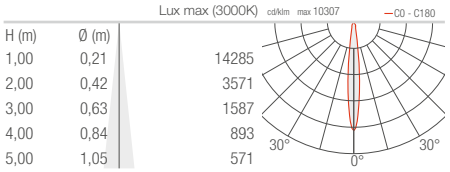
INTONO 4.1

Z - Asymmetrical 28° CRI 80



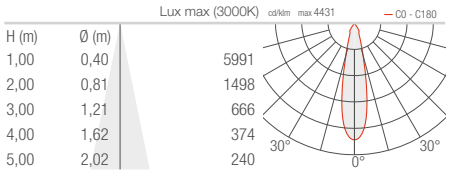
H (m)	Ø (m)	
1,00	0,55	202
2,00	1,09	51
3,00	1,64	22
4,00	2,18	13
5,00	2,73	8

S - 12° CRI 80



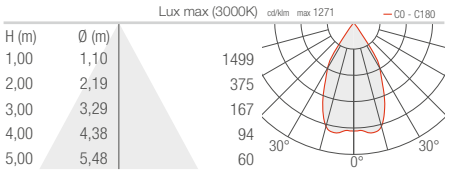
H (m)	Ø (m)	
1,00	0,21	14285
2,00	0,42	3571
3,00	0,63	1587
4,00	0,84	893
5,00	1,05	571

M - 23° CRI 80



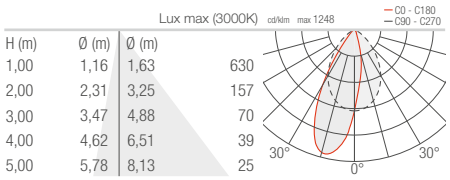
H (m)	Ø (m)	
1,00	0,40	5991
2,00	0,81	1498
3,00	1,21	666
4,00	1,62	374
5,00	2,02	240

L - 57° CRI 80



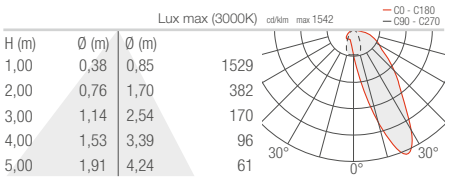
H (m)	Ø (m)	
1,00	1,10	1499
2,00	2,19	375
3,00	3,29	167
4,00	4,38	94
5,00	5,48	60

W - Wall grazing CRI 80



H (m)	Ø (m)	Ø (m)	
1,00	1,16	1,63	630
2,00	2,31	3,25	157
3,00	3,47	4,88	70
4,00	4,62	6,51	39
5,00	5,78	8,13	25

A - Asymmetrical CRI 80



H (m)	Ø (m)	Ø (m)	
1,00	0,38	0,85	1529
2,00	0,76	1,70	382
3,00	1,14	2,54	170
4,00	1,53	3,39	96
5,00	1,91	4,24	61

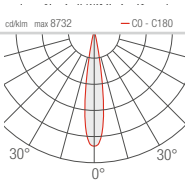
KLEO

OUTDOOR PROJECTORS

KLEO 1.0 1.1

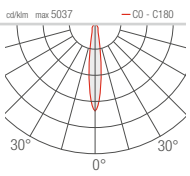
V - 16° sharp CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,29	2940
2,00	0,57	735
3,00	0,86	327
4,00	1,15	184
5,00	1,43	118



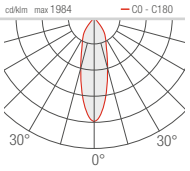
S - 16° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,28	3214
2,00	0,55	803
3,00	0,83	357
4,00	1,11	201
5,00	1,39	129



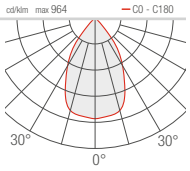
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,54	1270
2,00	0,70	317
3,00	1,61	141
4,00	2,15	79
5,00	2,68	51



L - 63° CRI 80

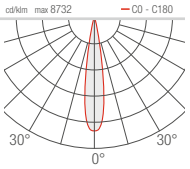
H (m)	Ø (m)	Lux max (3000K)
1,00	1,24	605
2,00	2,48	151
3,00	3,72	67
4,00	4,96	38
5,00	6,20	24



KLEO 2.0 2.1

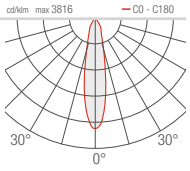
V - 16° sharp CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,29	6982
2,00	0,58	1745
3,00	0,87	776
4,00	1,15	436
5,00	1,44	279



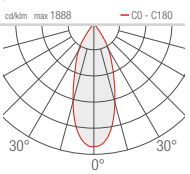
S - 22° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,39	5212
2,00	0,79	1303
3,00	1,18	579
4,00	1,57	326
5,00	1,97	208



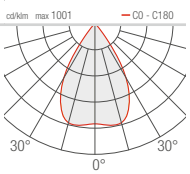
M - 38° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,70	2469
2,00	1,40	617
3,00	2,10	274
4,00	2,80	154
5,00	3,49	99



L - 64° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	1,25	1317
2,00	2,50	329
3,00	3,75	146
4,00	5,00	82
5,00	6,24	53

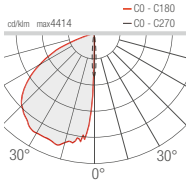


KOCCA

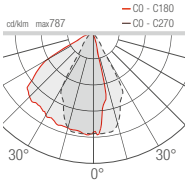
OUTDOOR WALL MOUNTED

KOCCA 1.1 4W

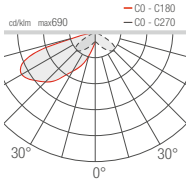
W - Asymmetrical 10°



K - Asymmetrical 70°

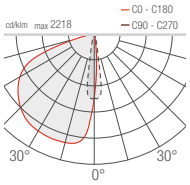


A - Asymmetrical 140°

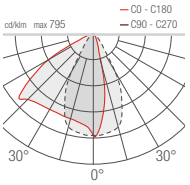


KOCCA 1.1 8.5W

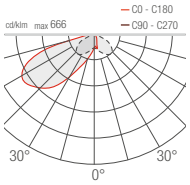
W - Asymmetrical 10°



K - Asymmetrical 70°

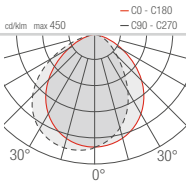


A - Asymmetrical 140°



D - Diffuse

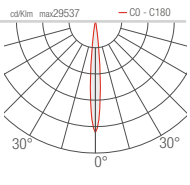
H (m)	Ø (m)	Lux max (3000K)
1,00	2,35	210
2,00	4,70	53
3,00	7,06	23
4,00	9,41	13
5,00	11,76	8



KOCCA 3.1

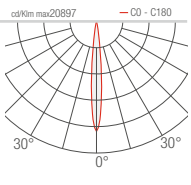
T - 7°

H (m)	Ø (m)	Lux max (3000K) 12W	18W
1,00	0,18	17308	31220
2,00	0,35	4327	7805
3,00	0,53	1923	3469
4,00	0,70	1082	1951
5,00	0,88	692	1249



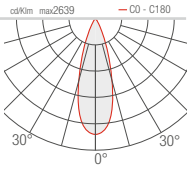
S - 10°

H (m)	Ø (m)	Lux max (3000K) 12W	18W
1,00	0,18	14043	25327
2,00	0,36	3511	6332
3,00	0,54	1560	2814
4,00	0,72	878	1583
5,00	0,91	562	1013



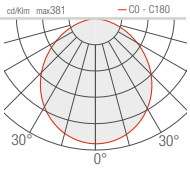
F - 30°

H (m)	Ø (m)	Lux max (3000K) 12W	18W
1,00	0,58	1665	3001
2,00	1,15	416	750
3,00	1,73	185	333
4,00	2,31	104	188
5,00	2,88	67	120



D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
1,00	2,54	168
2,00	5,08	42
3,00	7,62	19
4,00	10,16	10
5,00	12,71	7



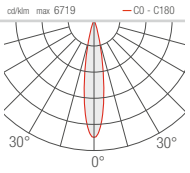
KORA

INDOOR SUSPENDED

KORA 1.0

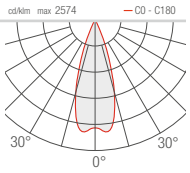
S - 18°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,16	3357
1,00	0,33	839
1,50	0,49	373
2,00	0,65	210
2,50	0,82	134



M - 35°

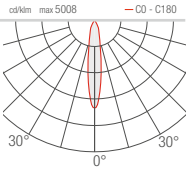
H (m)	Ø (m)	Lux max (3000K)
0,50	0,32	1217
1,00	0,64	304
1,50	0,95	135
2,00	1,27	76
2,50	1,59	49



KORA 2.0

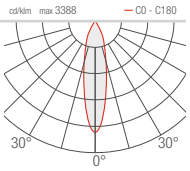
S - 17°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,30	1394
2,00	0,60	349
3,00	0,90	155
4,00	1,21	87
5,00	1,51	56



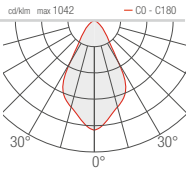
M - 24°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,42	969
2,00	0,84	242
3,00	1,25	108
4,00	1,67	61
5,00	2,09	39



L - 58°

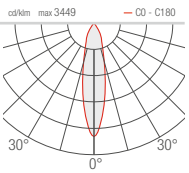
H (m)	Ø (m)	Lux max (3000K)
1,00	1,12	255
2,00	2,23	64
3,00	3,35	28
4,00	4,46	16
5,00	5,58	10



KORA 3.0

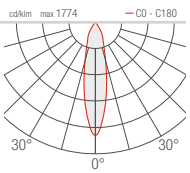
S - 23°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,41	4522
2,00	0,82	1131
3,00	1,22	502
4,00	1,63	283
5,00	2,04	181



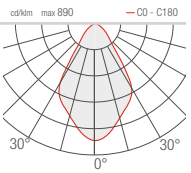
M - 38°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,69	2288
2,00	1,38	572
3,00	2,07	254
4,00	2,76	143
5,00	3,46	92



L - 65°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,27	1071
2,00	2,54	268
3,00	3,81	119
4,00	5,08	67
5,00	6,35	43

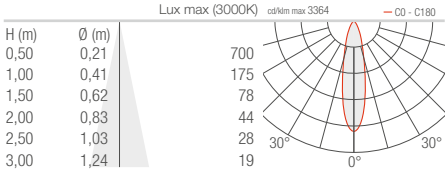


KRILL

INDOOR PROJECTORS

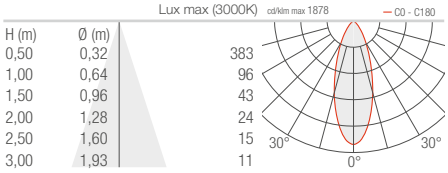
KRILL 1.0

M - 23°



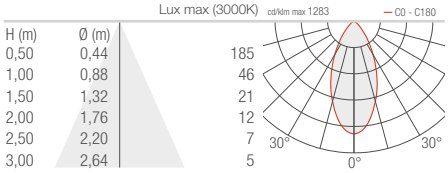
H (m)	Ø (m)	
0,50	0,21	700
1,00	0,41	175
1,50	0,62	78
2,00	0,83	44
2,50	1,03	28
3,00	1,24	19

L - 36°



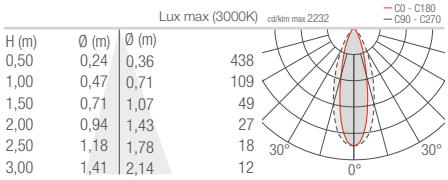
H (m)	Ø (m)	
0,50	0,32	383
1,00	0,64	96
1,50	0,96	43
2,00	1,28	24
2,50	1,60	15
3,00	1,93	11

J - 48°



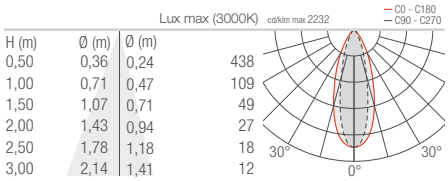
H (m)	Ø (m)	
0,50	0,44	185
1,00	0,88	46
1,50	1,32	21
2,00	1,76	12
2,50	2,20	7
3,00	2,64	5

W - 26°x40°



H (m)	Ø (m)	Ø (m)	
0,50	0,24	0,36	438
1,00	0,47	0,71	109
1,50	0,71	1,07	49
2,00	0,94	1,43	27
2,50	1,18	1,78	18
3,00	1,41	2,14	12

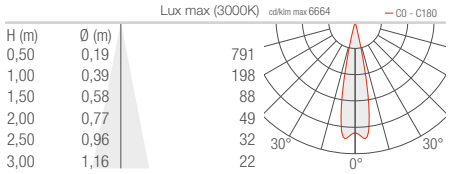
X - 40°x26°



H (m)	Ø (m)	Ø (m)	
0,50	0,36	0,24	438
1,00	0,71	0,47	109
1,50	1,07	0,71	49
2,00	1,43	0,94	27
2,50	1,78	1,18	18
3,00	2,14	1,41	12

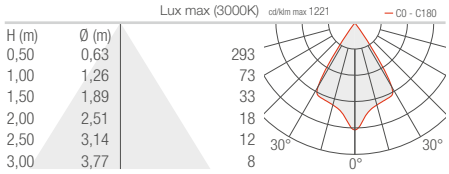
KRILL 1.4

R1 - 22° (22°–64°)



H (m)	Ø (m)	
0,50	0,19	791
1,00	0,39	198
1,50	0,58	88
2,00	0,77	49
2,50	0,96	32
3,00	1,16	22

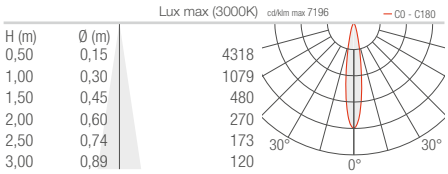
R1 - 64° (22°–64°)



H (m)	Ø (m)	
0,50	0,63	293
1,00	1,26	73
1,50	1,89	33
2,00	2,51	18
2,50	3,14	12
3,00	3,77	8

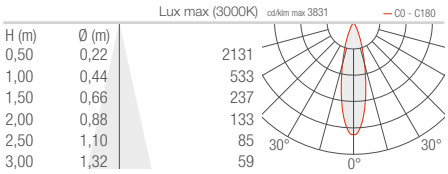
KRILL 2.0

S - 17°



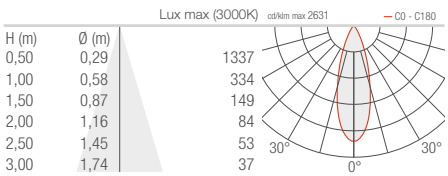
H (m)	Ø (m)	
0,50	0,15	4318
1,00	0,30	1079
1,50	0,45	480
2,00	0,60	270
2,50	0,74	173
3,00	0,89	120

M - 25°



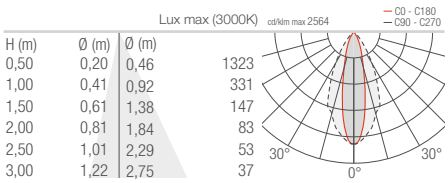
H (m)	Ø (m)	
0,50	0,22	2131
1,00	0,44	533
1,50	0,66	237
2,00	0,88	133
2,50	1,10	85
3,00	1,32	59

L - 33°



H (m)	Ø (m)	
0,50	0,29	1337
1,00	0,58	334
1,50	0,87	149
2,00	1,16	84
2,50	1,45	53
3,00	1,74	37

W - 23°x50°



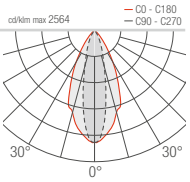
H (m)	Ø (m)	Ø (m)	
0,50	0,20	0,46	1323
1,00	0,41	0,92	331
1,50	0,61	1,38	147
2,00	0,81	1,84	83
2,50	1,01	2,29	53
3,00	1,22	2,75	37

KRILL 2.0

X - 50°x23°

Lux max (3000K) cd/klm max 2564

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,46	0,20	1323
1,00	0,92	0,41	331
1,50	1,37	0,61	147
2,00	1,83	0,81	83
2,50	2,29	1,01	53
3,00	2,75	1,22	37

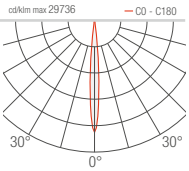


KRILL 2.4

R1 - 9° (9°–70°)

Lux max (3000K) cd/klm max 29736

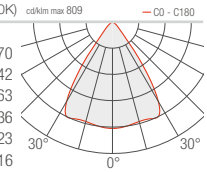
H (m)	Ø (m)	Lux max (3000K)
0,50	0,08	7137
1,00	0,15	1784
1,50	0,23	793
2,00	0,31	446
2,50	0,38	285
3,00	0,46	198



R1 - 70° (9°–70°)

Lux max (3000K) cd/klm max 809

H (m)	Ø (m)	Lux max (3000K)
0,50	0,70	570
1,00	1,40	142
1,50	2,10	63
2,00	2,80	36
2,50	3,50	23
3,00	4,20	16

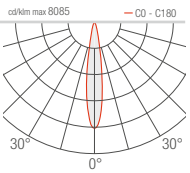


KRILL 3.0

S - 16°

Lux max (3000K) cd/klm max 8085

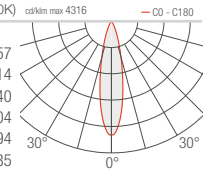
H (m)	Ø (m)	Lux max (3000K)
0,50	0,14	8926
1,00	0,28	2232
1,50	0,43	992
2,00	0,57	558
2,50	0,71	357
3,00	0,85	248



M - 23°

Lux max (3000K) cd/klm max 4316

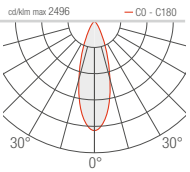
H (m)	Ø (m)	Lux max (3000K)
0,50	0,20	4857
1,00	0,41	1214
1,50	0,61	540
2,00	0,81	304
2,50	1,01	194
3,00	1,22	135



L - 33°

Lux max (3000K) cd/klm max 2496

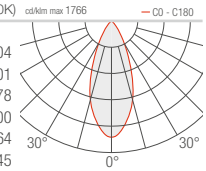
H (m)	Ø (m)	Lux max (3000K)
0,50	0,29	2506
1,00	0,58	626
1,50	0,88	278
2,00	1,17	157
2,50	1,46	100
3,00	1,75	70



K - 42°

Lux max (3000K) cd/klm max 1766

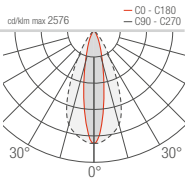
H (m)	Ø (m)	Lux max (3000K)
0,50	0,38	1604
1,00	0,76	401
1,50	1,13	178
2,00	1,51	100
2,50	1,89	64
3,00	2,27	45



W - 21°x50°

Lux max (3000K) cd/klm max 2576

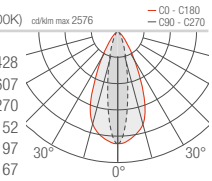
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,18	0,46	2428
1,00	0,36	0,92	607
1,50	0,54	1,38	270
2,00	0,73	1,83	152
2,50	0,91	2,29	97
3,00	1,09	2,75	67



X - 50°x21°

Lux max (3000K) cd/klm max 2576

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
0,50	0,46	0,18	2428
1,00	0,92	0,36	607
1,50	1,38	0,54	270
2,00	1,83	0,73	152
2,50	2,29	0,91	97
3,00	2,75	1,09	67

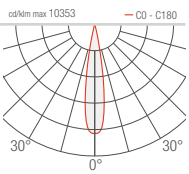


KRILL 3.4

R1 - 18° (18°–80°)

Lux max (3000K) cd/klm max 10353

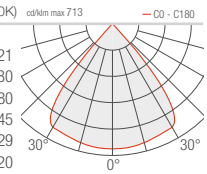
H (m)	Ø (m)	Lux max (3000K)
0,50	0,16	3520
1,00	0,31	880
1,50	0,47	391
2,00	0,63	220
2,50	0,78	141
3,00	0,94	98



R1 - 80° (18°–80°)

Lux max (3000K) cd/klm max 713

H (m)	Ø (m)	Lux max (3000K)
0,50	0,83	721
1,00	1,66	180
1,50	2,49	80
2,00	3,32	45
2,50	4,15	29
3,00	4,98	20

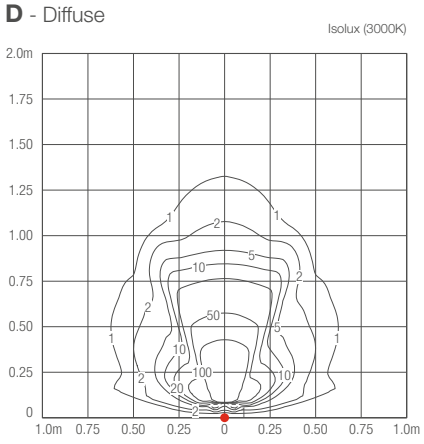


LINE

INDOOR STEP LIGHTS

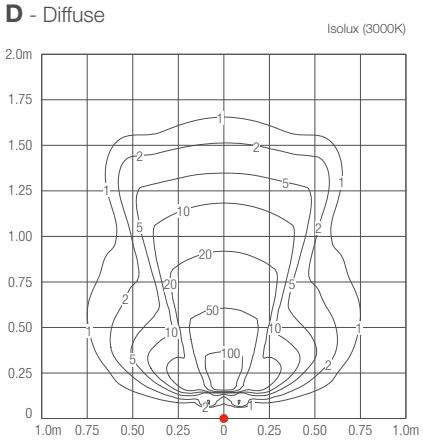
LINE 1.0
1.1

D - Diffuse



h 300 mm **2W**

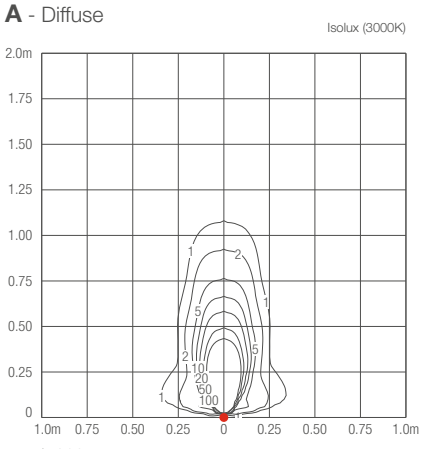
D - Diffuse



h 500 mm **2W**

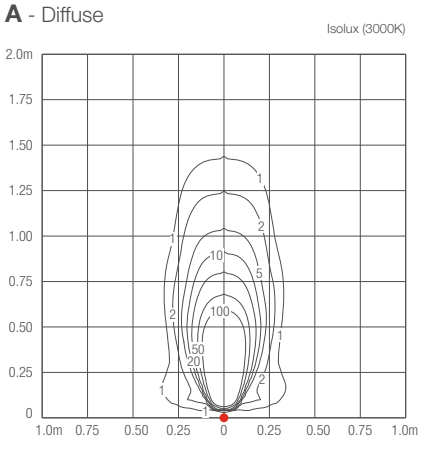
LINE 2.0
2.1

A - Diffuse



h 300 mm **2W**

A - Diffuse



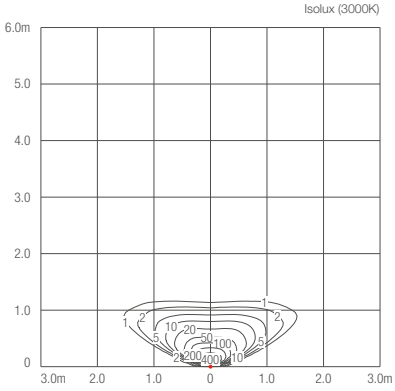
h 500 mm **2W**

LINEAR

OUTDOOR BOLLARDS

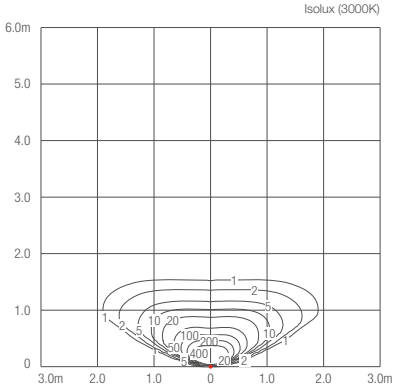
LINEAR 2.1

A - Asymmetrical



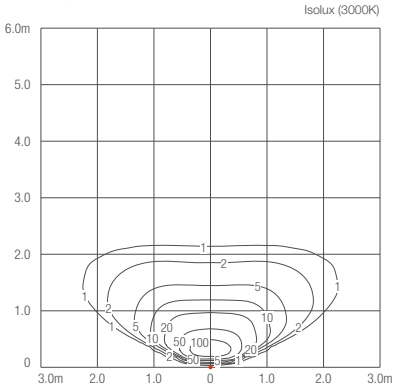
h 250 mm **4W**

A - Asymmetrical



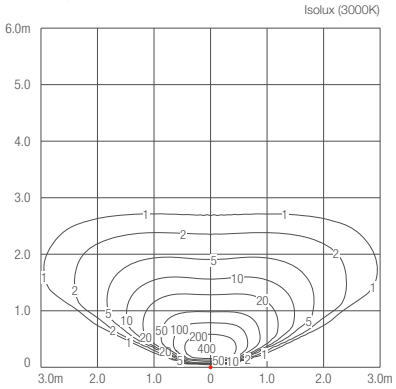
h 250 mm **8,5W**

A - Asymmetrical



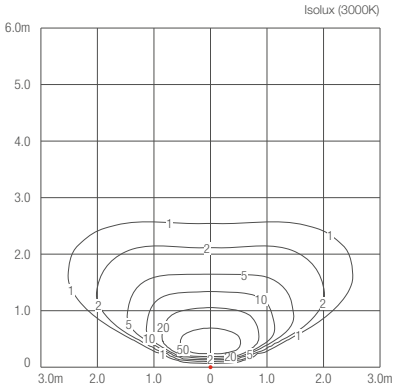
h 600 mm **4W**

A - Asymmetrical



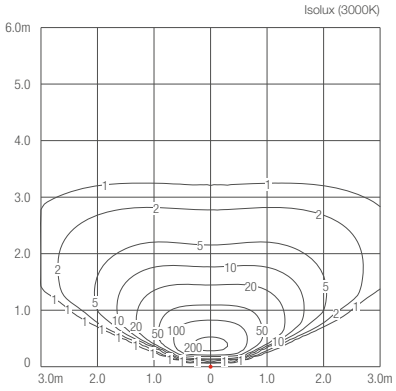
h 600 mm **8,5W**

A - Asymmetrical



h 800 mm **4W**

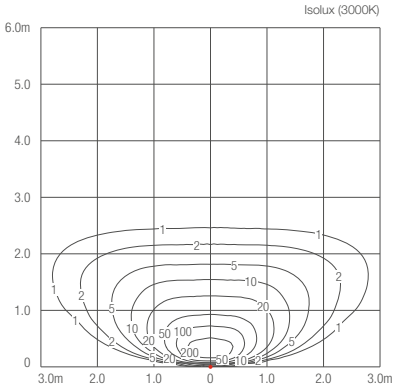
A - Asymmetrical



h 800 mm **8,5W**

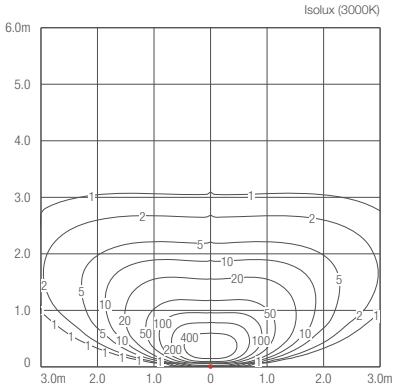
LINEAR 4.1

A - Asymmetrical



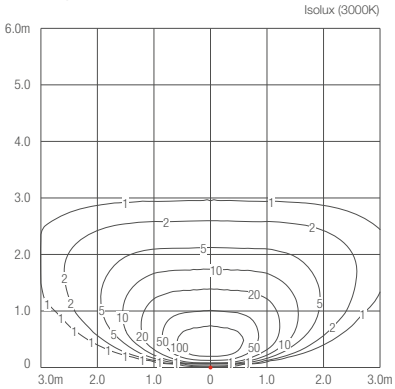
h 600 mm **8W**

A - Asymmetrical



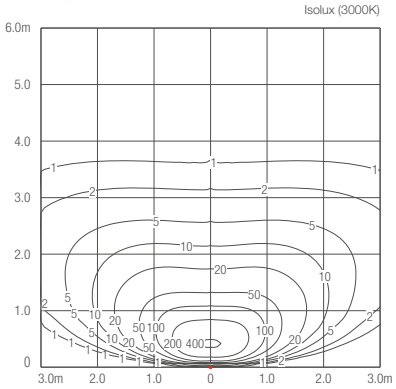
h 600 mm **16W**

A - Asymmetrical



h 800 mm **8W**

A - Asymmetrical



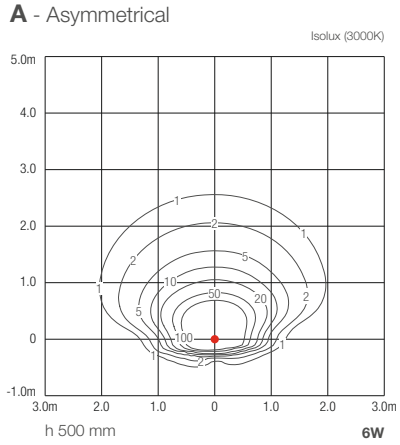
h 800 mm **16W**

LIRA

OUTDOOR STEP LIGHTS

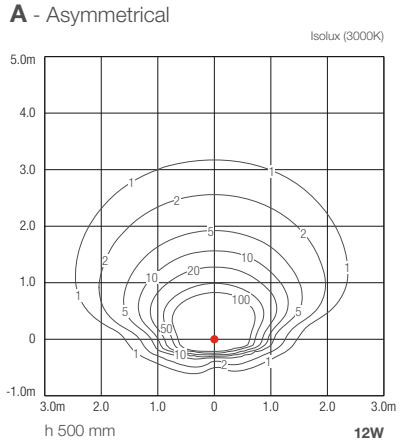
LIRA 1.0

A - Asymmetrical



LIRA 2.0

A - Asymmetrical



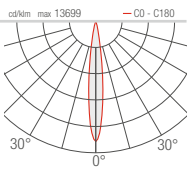
LITUS

OUTDOOR RECESSED

LITUS 1.0 1.1

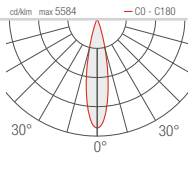
S - 13° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,24	2466
2,00	0,46	616
3,00	0,70	274
4,00	0,92	154
5,00	1,16	99



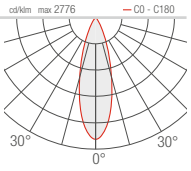
M - 22° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,40	1050
2,00	0,80	262
3,00	1,18	117
4,00	1,58	66
5,00	1,98	42



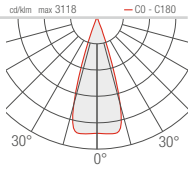
F - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,54	430
2,00	1,08	108
3,00	1,62	48
4,00	2,18	27
5,00	2,72	17



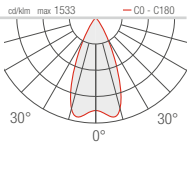
P - 35° sharp CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,62	148
2,00	1,24	37
3,00	1,86	16
4,00	2,50	9
5,00	3,12	6



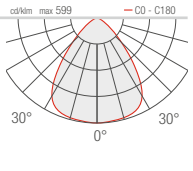
L - 48° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,88	275
2,00	1,76	69
3,00	2,64	31
4,00	3,52	17
5,00	4,40	11



D - Diffuse CRI 80

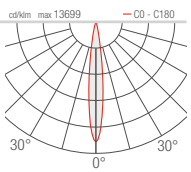
H (m)	Ø (m)	Lux max (3000K)
1,00	1,68	59
2,00	3,36	15
3,00	5,04	7
4,00	6,70	4
5,00	8,38	2



LITUS 1.6 1.7 2.8 2.9

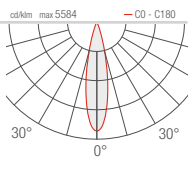
S - 13° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,24	1852	2466
2,00	0,46	463	616
3,00	0,70	206	274
4,00	0,92	116	154
5,00	1,16	74	99



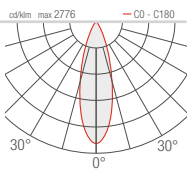
M - 22° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,40	810	1050
2,00	0,80	202	262
3,00	1,18	90	117
4,00	1,58	51	66
5,00	1,98	32	42



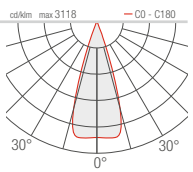
F - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,54	333	430
2,00	1,08	83	108
3,00	1,62	37	48
4,00	2,18	21	27
5,00	2,72	13	17



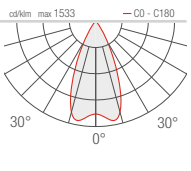
P - 35° sharp CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,62	114	148
2,00	1,24	29	37
3,00	1,86	13	16
4,00	2,50	7	9
5,00	3,12	5	6



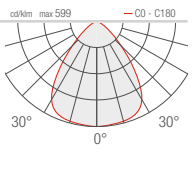
L - 48° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,88	211	275
2,00	1,76	53	69
3,00	2,64	23	31
4,00	3,52	13	17
5,00	4,40	8	11



D - Diffuse CRI 80 (Litus 1.6 / 1.7)

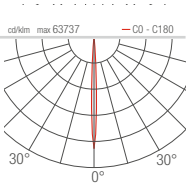
H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	1,68	44	59
2,00	3,36	11	15
3,00	5,04	5	7
4,00	6,70	3	4
5,00	8,38	2	2



LITUS 2.4
2.5
5.6
5.7

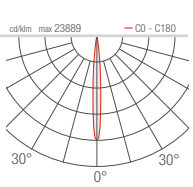
U - 5° CRI 80

		Lux max (3000K)
H (m)	Ø (m)	**3,5W**
1,00	0,09	11291
2,00	0,18	2823
3,00	0,27	1255
4,00	0,36	706
5,00	0,45	452



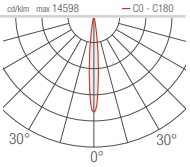
V - 8° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	0,15	6998	9219
2,00	0,30	1749	2305
3,00	0,45	778	1024
4,00	0,60	437	576
5,00	0,75	280	369



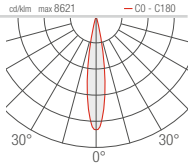
T - 11° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	0,19	4904	6466
2,00	0,38	1226	1617
3,00	0,57	545	718
4,00	0,76	307	404
5,00	0,95	196	259



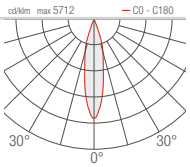
S - 17° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	0,30	2914	3845
2,00	0,60	728	962
3,00	0,91	324	427
4,00	1,21	182	240
5,00	1,51	117	154



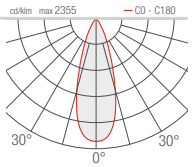
P - 21° sharp CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	0,38	1400	1845
2,00	0,75	350	461
3,00	1,13	156	205
4,00	1,51	87	115
5,00	1,89	56	74



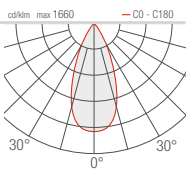
M - 34° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	0,61	723	951
2,00	1,23	181	238
3,00	1,84	80	106
4,00	2,45	45	59
5,00	3,06	29	38



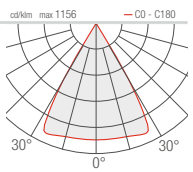
L - 45° CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	0,82	469	619
2,00	1,63	117	155
3,00	2,47	52	69
4,00	3,27	29	39
5,00	4,08	19	25



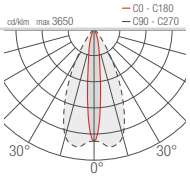
Q - 61° sharp CRI 80

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	1,18	239	315
2,00	2,36	60	79
3,00	3,55	27	35
4,00	4,73	15	20
5,00	5,91	10	13



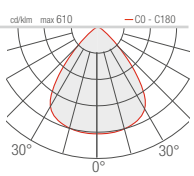
W - 13°x52° CRI 80

		Lux max (3000K)		
H (m)	Ø (m)	Ø (m)	**5W**	**7W**
1,00	0,23	0,98	1123	1478
2,00	0,43	1,96	281	370
3,00	0,70	2,93	125	164
4,00	0,93	3,91	70	92
5,00	1,17	4,89	45	59



D - Diffuse CRI 80 (Litus 2.4 / 2.5)

		Lux max (3000K)	
H (m)	Ø (m)	**5W**	**7W**
1,00	1,72	151	199
2,00	3,45	38	50
3,00	5,17	17	22
4,00	6,89	9	12
5,00	8,62	6	8

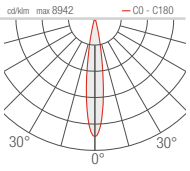


LITUS 5.4
5.5

S - 16° CRI 80

Lux max (3000K)

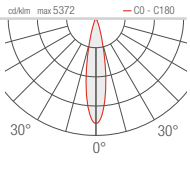
H (m)	Ø (m)	**10W**	**13W**
1,00	0,28	5580	7431
2,00	0,56	1395	1858
3,00	0,84	620	826
4,00	1,13	349	464
5,00	1,41	223	297



M - 21° CRI 80

Lux max (3000K)

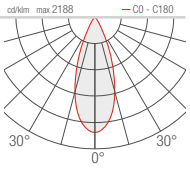
H (m)	Ø (m)	**10W**	**13W**
1,00	0,37	3304	4405
2,00	0,74	826	1101
3,00	1,11	367	489
4,00	1,49	206	275
5,00	1,86	132	176



L - 38° CRI 80

Lux max (3000K)

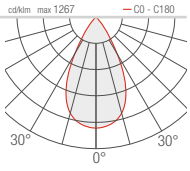
H (m)	Ø (m)	**10W**	**13W**
1,00	0,69	1755	2330
2,00	1,38	439	582
3,00	2,07	195	259
4,00	2,76	110	146
5,00	3,45	70	93



K - 55° CRI 80

Lux max (3000K)

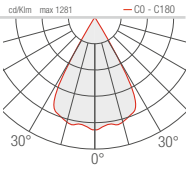
H (m)	Ø (m)	**10W**	**13W**
1,00	1,04	1070	1425
2,00	2,08	268	356
3,00	3,12	119	158
4,00	4,16	67	89
5,00	5,20	43	57



P - 58° sharp CRI 80

Lux max (3000K)

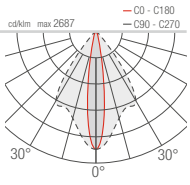
H (m)	Ø (m)	**10W**	**13W**
1,00	1,12	513	681
2,00	2,25	128	170
3,00	3.37	57	76
4,00	4.50	32	43
5,00	5.62	21	27



W - 16°x69° adjustable CRI 80

Lux max (3000K)

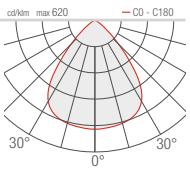
H (m)	Ø (m)	Ø (m)	**10W**	**13W**
1,00	0,28	1,37	1537	2048
2,00	0,56	2,74	384	512
3,00	0,84	4,11	171	222
4,00	1,12	5,48	96	128
5,00	1,40	6,85	61	82



D - Diffuse CRI 80

Lux max (3000K)

H (m)	Ø (m)	**10W**	**13W**
1,00	1,70	372	495
2,00	3,39	93	124
3,00	5,09	41	55
4,00	6,79	23	31
5,00	8,48	15	20



LYSS

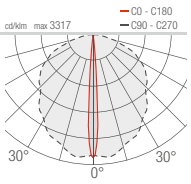
OUTDOOR PROJECTORS

LYSS MINI 1.0

Z - Clear 8°x160°

Lux max (3000K)

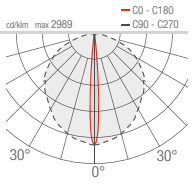
H (m)	Ø (m)	Ø (m)	
1,00	0,13	3,02	218
2,00	0,27	6,04	54
3,00	0,40	9,06	24
4,00	0,53	12,08	14
5,00	0,66	15,10	9



Y - Satin 9°x160°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	
1,00	0,15	2,87	203
2,00	0,29	5,74	51
3,00	0,44	8,61	23
4,00	0,58	11,48	13
5,00	0,73	14,35	8

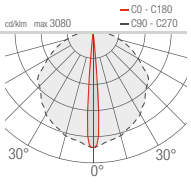


LYSS 1.0

Z - Clear 10°x180°

Lux max (3000K)

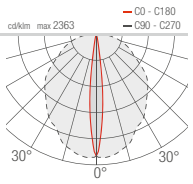
H (m)	Ø (m)	Ø (m)	**5W**	**9W**
1,00	0,16	3,11	320	555
2,00	0,32	6,21	80	139
3,00	0,49	9,32	36	62
4,00	0,65	12,42	20	35
5,00	0,81	15,53	13	22



Y - Satin 20°x180°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	**5W**	**9W**
1,00	0,21	2,58	256	443
2,00	0,42	5,16	64	111
3,00	0,64	7,74	28	49
4,00	0,85	10,32	16	28
5,00	1,06	12,89	10	18

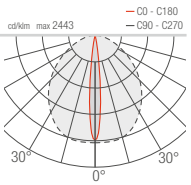


LYSS 2.0

U - 12°x160°

Lux max (4000K)

H (m)	Ø (m)	Ø (m)	
1,00	0,20	2,45	269
2,00	0,40	4,90	67
3,00	0,61	7,35	30
4,00	0,81	9,80	17
5,00	1,01	12,25	11



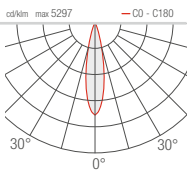
MOBY / MOBY P

UNDERWATER RECESSED / UNDERWATER PROJECTORS

MOBY 1.0
1.1
MOBY P 1.0
1.1

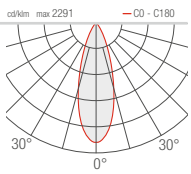
S - 22°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,39	1907
2,00	0,78	477
3,00	1,17	212
4,00	1,56	119
5,00	1,96	76



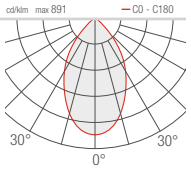
M - 34°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,60	823
2,00	1,20	206
3,00	1,81	91
4,00	2,41	51
5,00	3,01	33



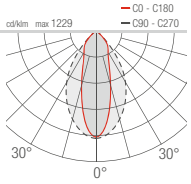
L - 62°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,22	309
2,00	2,43	77
3,00	3,65	34
4,00	4,86	19
5,00	6,08	12



W - 31°x64°

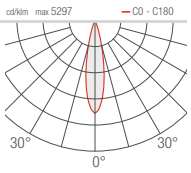
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,56	1,26	413
2,00	1,12	2,51	103
3,00	1,69	3,77	46
4,00	2,25	5,03	26
5,00	2,81	6,29	17



MOBY 2.0
2.1
MOBY P 2.0
2.1

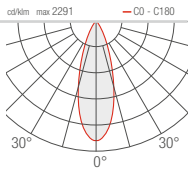
S - 22°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,39	5711
2,00	0,78	1428
3,00	1,17	635
4,00	1,56	357
5,00	1,96	228



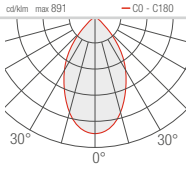
M - 34°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,60	2470
2,00	1,20	618
3,00	1,81	274
4,00	2,41	154
5,00	3,01	99



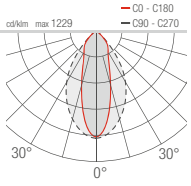
L - 62°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,22	925
2,00	2,43	231
3,00	3,65	103
4,00	4,86	58
5,00	6,08	37



W - 31°x64°

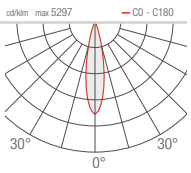
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,56	1,26	1235
2,00	1,12	2,51	309
3,00	1,69	3,77	137
4,00	2,25	5,03	77
5,00	2,81	6,29	49



MOBY 3.0
3.1
MOBY P 3.0
3.1

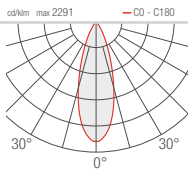
S - 22°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,39	9949
2,00	0,78	2487
3,00	1,17	1105
4,00	1,56	622
5,00	1,96	398



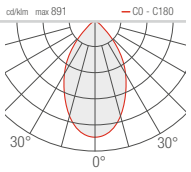
M - 34°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,60	4506
2,00	1,20	1126
3,00	1,81	501
4,00	2,41	282
5,00	3,01	180



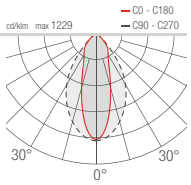
L - 62°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,22	1613
2,00	2,43	403
3,00	3,65	179
4,00	4,86	101
5,00	6,08	65



W - 31°x64°

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,56	1,26	2129
2,00	1,12	2,51	532
3,00	1,69	3,77	237
4,00	2,25	5,03	133
5,00	2,81	6,29	85



NEVA

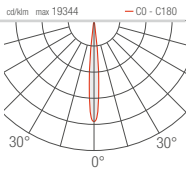
OUTDOOR LINEAR PROFILES

NEVA MINI 1

S - 11°

Lux max (3000K)

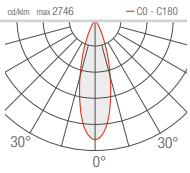
H (m)	Ø (m)	9W	13W
1,00	0,19	11801	16521
2,00	0,37	2950	4130
3,00	0,56	1311	1836
4,00	0,75	738	1033
5,00	0,93	472	661



M - 30°

Lux max (3000K)

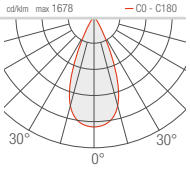
H (m)	Ø (m)	9W	13W
1,00	0,50	1579	2211
2,00	0,99	395	553
3,00	1,49	176	246
4,00	1,99	99	138
5,00	2,49	63	89



L - 45°

Lux max (3000K)

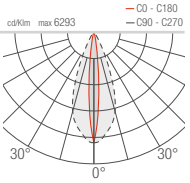
H (m)	Ø (m)	9W	13W
1,00	0,82	1007	1409
2,00	1,64	252	353
3,00	2,46	112	157
4,00	3,28	63	88
5,00	4,09	41	57



W - 10°x40°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	9W	13W
1,00	0,18	0,73	3807	5330
2,00	0,36	1,47	952	1333
3,00	0,54	2,20	423	592
4,00	0,72	2,94	238	333
5,00	0,90	3,67	152	213

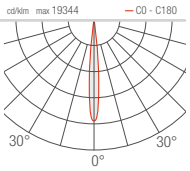


NEVA MINI 2

S - 11°

Lux max (3000K)

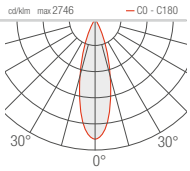
H (m)	Ø (m)	5,5W	7,5W
1,00	0,19	7080	9913
2,00	0,37	1770	2478
3,00	0,56	786	1102
4,00	0,75	444	620
5,00	0,93	282	397



M - 30°

Lux max (3000K)

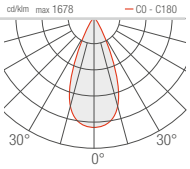
H (m)	Ø (m)	5,5W	7,5W
1,00	0,50	948	1327
2,00	0,99	237	332
3,00	1,49	105	148
4,00	1,99	60	83
5,00	2,49	39	53



L - 45°

Lux max (3000K)

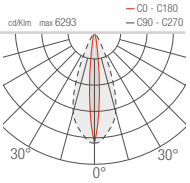
H (m)	Ø (m)	5,5W	7,5W
1,00	0,82	603	846
2,00	1,64	150	212
3,00	2,46	66	94
4,00	3,28	39	53
5,00	4,09	24	34



W - 10°x40°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	5,5W	7,5W
1,00	0,18	0,73	2284	3197
2,00	0,36	1,47	571	799
3,00	0,54	2,20	254	355
4,00	0,72	2,94	143	200
5,00	0,90	3,67	91	128

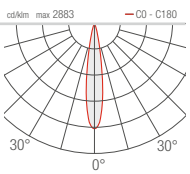


NEVA MINI 5

S - 15°

Lux max (white*)

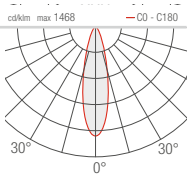
H (m)	Ø (m)	
1,00	0,30	1095
2,00	0,60	273
3,00	0,90	123
4,00	1,19	69
5,00	1,49	45



M - 26°

Lux max (white*)

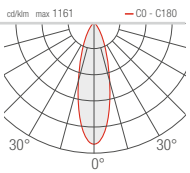
H (m)	Ø (m)	
1,00	0,47	952
2,00	0,94	238
3,00	1,41	106
4,00	1,88	60
5,00	2,34	38



L - 30°

Lux max (white*)

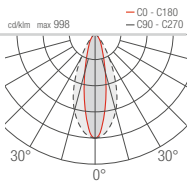
H (m)	Ø (m)	
1,00	0,53	759
2,00	1,07	190
3,00	1,60	85
4,00	2,14	48
5,00	2,67	31



W - 24°x46°

Lux max (white*)

H (m)	Ø (m)	Ø (m)	
1,00	0,43	0,86	569
2,00	0,86	1,71	142
3,00	1,30	2,57	63
4,00	1,73	3,42	36
5,00	2,16	4,28	23

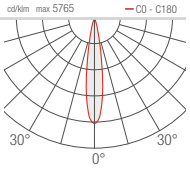


* White created by mixing the colours

NEVA MINI 6

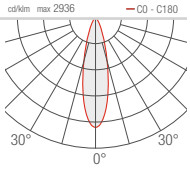
S - 15°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,30	4284
2,00	0,60	1071
3,00	0,90	476
4,00	1,19	268
5,00	1,49	171



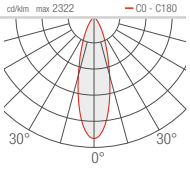
M - 26°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,47	2161
2,00	0,94	540
3,00	1,41	240
4,00	1,88	135
5,00	2,34	86



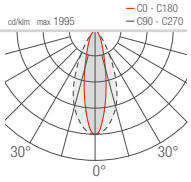
L - 30°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,53	1712
2,00	1,07	428
3,00	1,60	190
4,00	2,14	107
5,00	2,67	68



W - 24°x46°

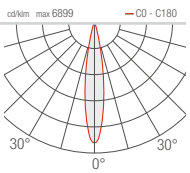
H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,43	0,86	1517
2,00	0,86	1,71	379
3,00	1,30	2,57	169
4,00	1,73	3,42	95
5,00	2,16	4,28	61



NEVA MINI 7

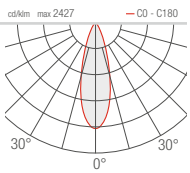
S - 18°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,31	3745
2,00	0,62	936
3,00	0,93	416
4,00	1,24	234
5,00	1,55	150



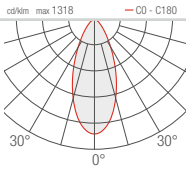
M - 32°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,56	1274
2,00	1,12	319
3,00	1,68	142
4,00	2,24	80
5,00	2,80	51



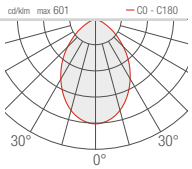
L - 44°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,80	635
2,00	1,61	159
3,00	2,41	71
4,00	3,21	40
5,00	4,02	26



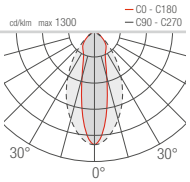
K - 78°

H (m)	Ø (m)	Lux max (4000K)
1,00	1,61	273
2,00	3,22	69
3,00	4,82	31
4,00	6,43	17
5,00	8,04	11



W - 26°x58°

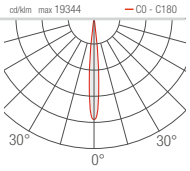
H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,47	1,10	683
2,00	0,93	2,20	171
3,00	1,40	3,30	76
4,00	1,86	4,40	43
5,00	2,33	5,50	28



NEVA 1.0

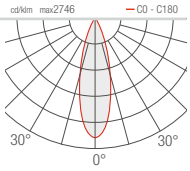
S - 11°

		Lux max (3000K)	
H (m)	Ø (m)	**18W**	**25W**
1,00	0,19	23601	33041
2,00	0,37	5900	8260
3,00	0,56	2622	3671
4,00	0,75	1475	2065
5,00	0,93	944	1322



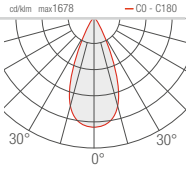
M - 30°

		Lux max (3000K)	
H (m)	Ø (m)	**18W**	**25W**
1,00	0,50	3158	4421
2,00	0,99	789	1105
3,00	1,49	351	491
4,00	1,99	197	276
5,00	2,49	126	177



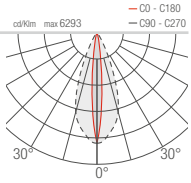
L - 45°

		Lux max (3000K)	
H (m)	Ø (m)	**18W**	**25W**
1,00	0,82	2013	2818
2,00	1,64	503	705
3,00	2,46	224	313
4,00	3,28	126	176
5,00	4,09	81	113



W - 10°x40°

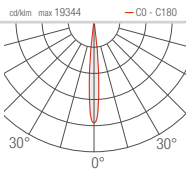
		Lux max (3000K)		
H (m)	Ø (m)	Ø (m)	**18W**	**25W**
1,00	0,18	0,73	7615	10660
2,00	0,36	1,47	1904	2665
3,00	0,54	2,20	846	1184
4,00	0,72	2,94	476	666
5,00	0,90	3,67	305	426



NEVA 2.0

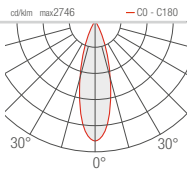
S - 11°

		Lux max (3000K)	
H (m)	Ø (m)	**11W**	**15W**
1,00	0,19	14160	19825
2,00	0,37	3540	4956
3,00	0,56	1572	2203
4,00	0,75	888	1239
5,00	0,93	564	793



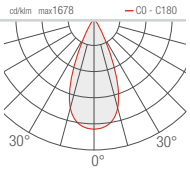
M - 30°

		Lux max (3000K)	
H (m)	Ø (m)	**11W**	**15W**
1,00	0,50	1896	2653
2,00	0,99	474	663
3,00	1,49	210	295
4,00	1,99	120	166
5,00	2,49	78	106



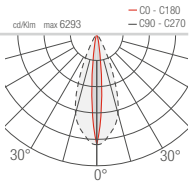
L - 45°

		Lux max (3000K)	
H (m)	Ø (m)	**11W**	**15W**
1,00	0,82	1206	1691
2,00	1,64	300	423
3,00	2,46	132	188
4,00	3,28	78	106
5,00	4,09	48	68



W - 10°x40°

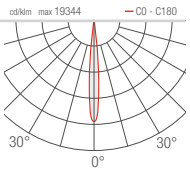
		Lux max (3000K)		
H (m)	Ø (m)	Ø (m)	**11W**	**15W**
1,00	0,18	0,73	4569	6394
2,00	0,36	1,47	1142	1598
3,00	0,54	2,20	508	710
4,00	0,72	2,94	286	400
5,00	0,90	3,67	183	256



NEVA 3.0

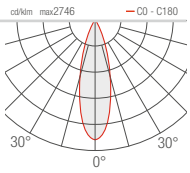
S - 11°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,19	33041
2,00	0,37	8260
3,00	0,56	3671
4,00	0,75	2065
5,00	0,93	1322



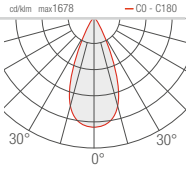
M - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,50	4421
2,00	0,99	1105
3,00	1,49	491
4,00	1,99	276
5,00	2,49	177



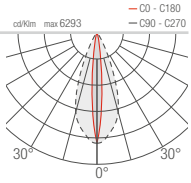
L - 45°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,82	2818
2,00	1,64	705
3,00	2,46	313
4,00	3,28	176
5,00	4,09	113



W - 10°x40°

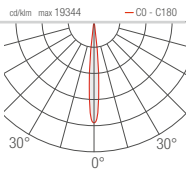
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,18	0,73	10660
2,00	0,36	1,47	2665
3,00	0,54	2,20	1184
4,00	0,72	2,94	666
5,00	0,90	3,67	426



NEVA 4.0

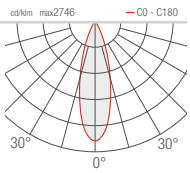
S - 11°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,19	19825
2,00	0,37	4956
3,00	0,56	2203
4,00	0,75	1239
5,00	0,93	793



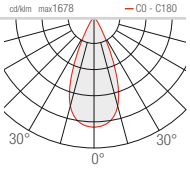
M - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,50	2653
2,00	0,99	663
3,00	1,49	295
4,00	1,99	166
5,00	2,49	106



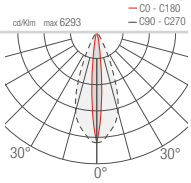
L - 45°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,82	1691
2,00	1,64	423
3,00	2,46	188
4,00	3,28	106
5,00	4,09	68



W - 10°x40°

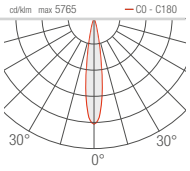
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,18	0,73	6394
2,00	0,36	1,47	1598
3,00	0,54	2,20	710
4,00	0,72	2,94	400
5,00	0,90	3,67	256



NEVA 5.0

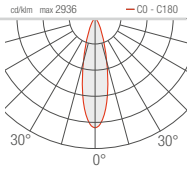
S - 15°

H (m)	Ø (m)	Lux max (white*)
1,00	0,30	2190
2,00	0,60	546
3,00	0,90	246
4,00	1,19	138
5,00	1,49	90



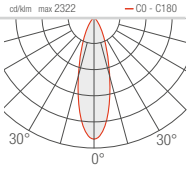
M - 26°

H (m)	Ø (m)	Lux max (white*)
1,00	0,47	1903
2,00	0,94	476
3,00	1,41	211
4,00	1,88	119
5,00	2,34	76



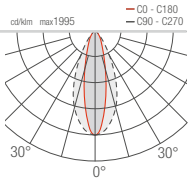
L - 30°

H (m)	Ø (m)	Lux max (white*)
1,00	0,53	1517
2,00	1,07	379
3,00	1,60	169
4,00	2,14	95
5,00	2,67	61



W - 24°x46°

H (m)	Ø (m)	Ø (m)	Lux max (white*)
1,00	0,43	0,86	1137
2,00	0,86	1,71	284
3,00	1,30	2,57	126
4,00	1,73	3,42	71
5,00	2,16	4,28	45

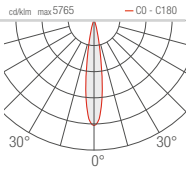


* White created by mixing the colours

NEVA 6.0

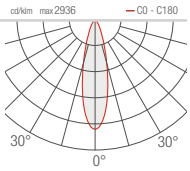
S - 15°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,30	8568
2,00	0,60	2142
3,00	0,90	952
4,00	1,19	536
5,00	1,49	342



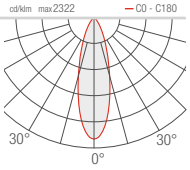
M - 26°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,47	4322
2,00	0,94	1080
3,00	1,41	480
4,00	1,88	270
5,00	2,34	172



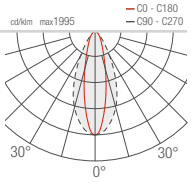
L - 30°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,53	3424
2,00	1,07	856
3,00	1,60	380
4,00	2,14	214
5,00	2,67	136



W - 24°x46°

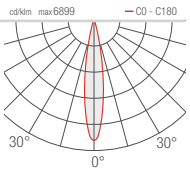
H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,43	0,86	3034
2,00	0,86	1,71	758
3,00	1,30	2,57	338
4,00	1,73	3,42	190
5,00	2,16	4,28	122



NEVA 7.0

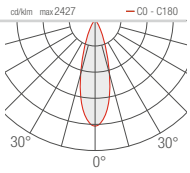
S - 18°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,31	7489
2,00	0,62	1872
3,00	0,93	832
4,00	1,24	468
5,00	1,55	300



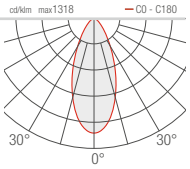
M - 32°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,56	2547
2,00	1,12	637
3,00	1,68	283
4,00	2,24	159
5,00	2,80	102



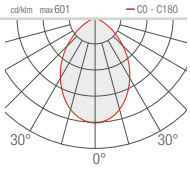
L - 44°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,80	1269
2,00	1,61	317
3,00	2,41	141
4,00	3,21	79
5,00	4,02	51



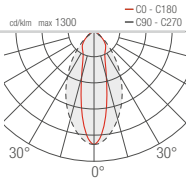
K - 78°

H (m)	Ø (m)	Lux max (4000K)
1,00	1,61	546
2,00	3,22	137
3,00	4,82	61
4,00	6,43	34
5,00	8,04	22



W - 26°x58°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,47	1,10	1365
2,00	0,93	2,20	341
3,00	1,40	3,30	152
4,00	1,86	4,40	85
5,00	2,33	5,50	55



PALLADIANO

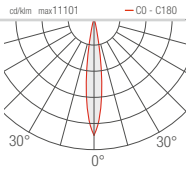
URBAN LIGHTING / OUTDOOR SUSPENDED

PALLADIANO 1.0
1.1

WR0301 - 15° CRI 80

Lux max (3000K)

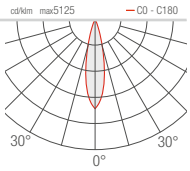
H (m)	Ø (m)	38W	55W
2,00	0,52	5892	8206
4,00	1,05	1473	2051
6,00	1,57	655	912
8,00	2,10	368	513
10,00	2,62	236	328



WR0302 - 24° CRI 80

Lux max (3000K)

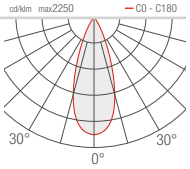
H (m)	Ø (m)	38W	55W
2,00	0,83	2754	3836
4,00	1,66	689	959
6,00	2,49	306	426
8,00	3,32	172	240
10,00	4,14	110	153



WR0303 - 38° CRI 80

Lux max (3000K)

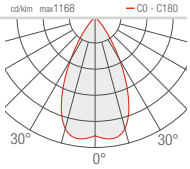
H (m)	Ø (m)	38W	55W
2,00	1,36	1149	1601
4,00	2,73	287	400
6,00	4,09	128	178
8,00	5,46	72	100
10,00	6,82	46	64



WR0304 - 54° CRI 80

Lux max (3000K)

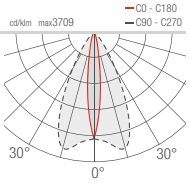
H (m)	Ø (m)	38W	55W
2,00	2,09	567	790
4,00	4,18	142	197
6,00	6,27	63	88
8,00	8,36	35	49
10,00	10,45	23	32



WR0305 - 14°x56° CRI 80

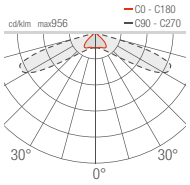
Lux max (3000K)

H (m)	Ø (m)	Ø (m)	38W	55W
2,00	0,48	2,14	1747	2434
4,00	0,97	4,29	437	608
6,00	1,45	6,43	194	270
8,00	1,93	8,58	109	152
10,00	2,42	10,72	70	97

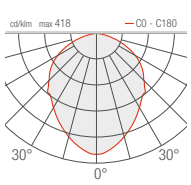


PALLADIANO 1.0
1.1

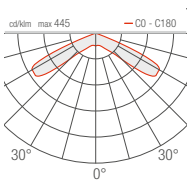
WR0306 - 153°x107°



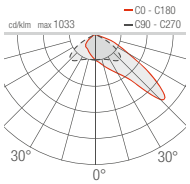
WR0307 - 85°x85°



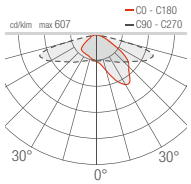
WR0308 - 130°x130°



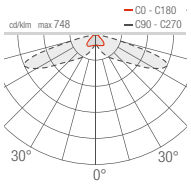
WR0309 - 119°x92°



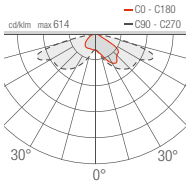
WR0310 - 158°x110°



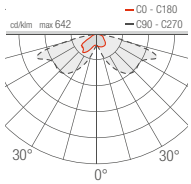
WR0311 - 149°x106°



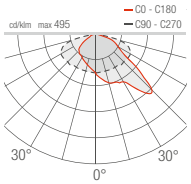
WR0312 - 160°x112°



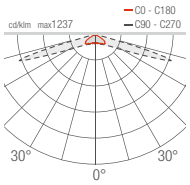
WR0313 - 162°x116°



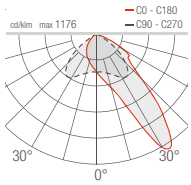
WR0314 - 165°x110°



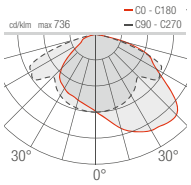
WR0315 - 145°x115°



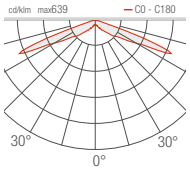
WR0316 - 110°x80°



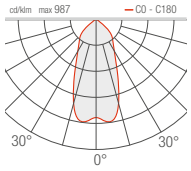
WR0317 - 145°x120°



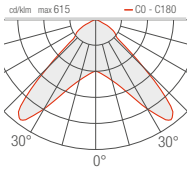
WR0318 - 135°x135°



WR0319 - 47°x47°



WR0320 - 90°x90°

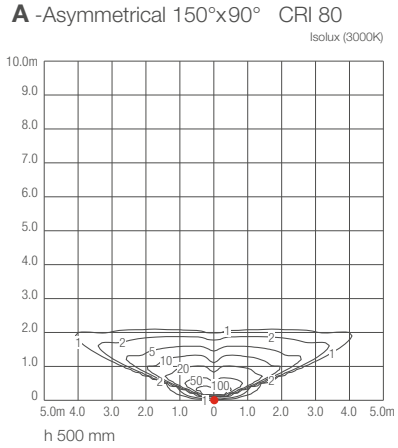


PASITO

OUTDOOR STEP LIGHTS

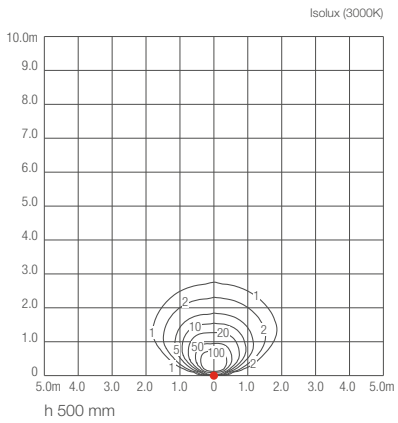
PASITO MINI 1.0
1.1
1.2

A -Asymmetrical 150°x90° CRI 80



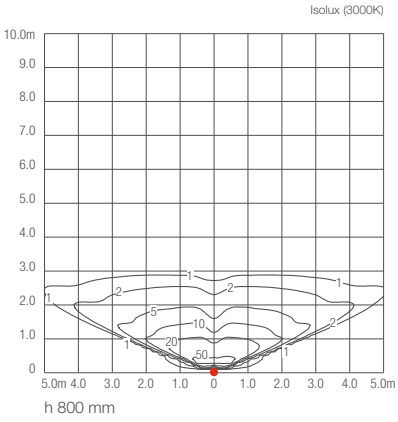
h 500 mm

B - 60° CRI 80



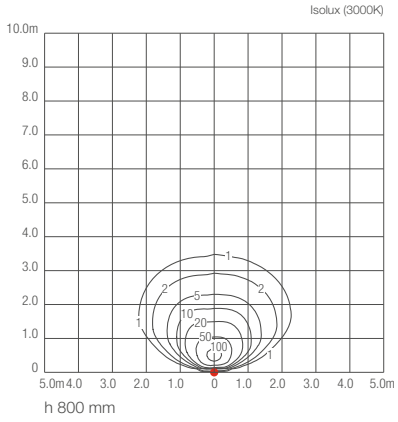
h 500 mm

A - Asymmetrical 150°x90° CRI 80



h 800 mm

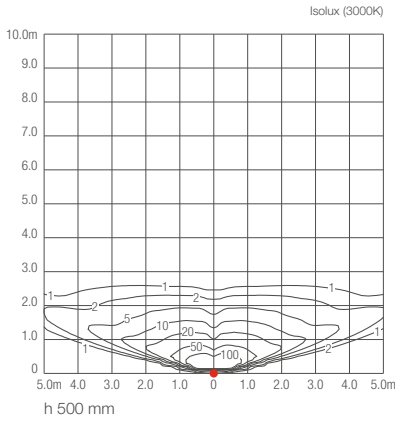
B - 60° CRI 80



h 800 mm

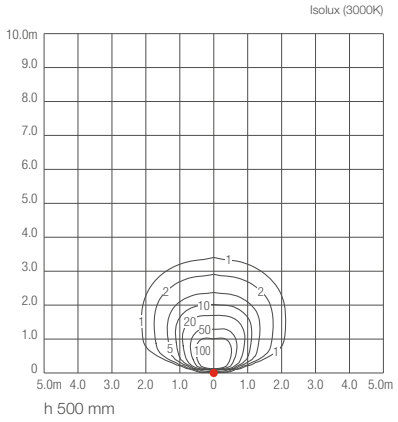
PASITO 1.0

A - Asymmetrical 150°x90° CRI 80



h 500 mm

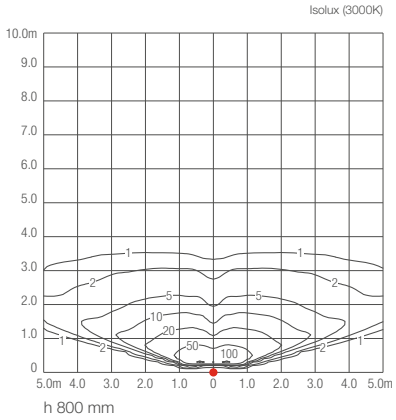
B - 60° CRI 80



h 500 mm

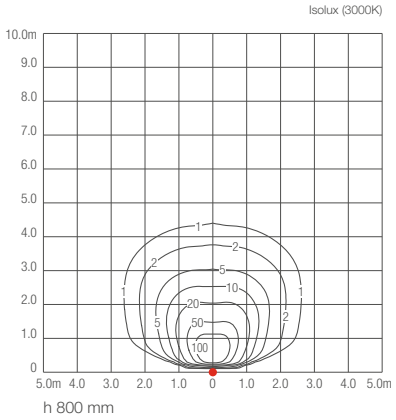
PASITO 1.0

A - Asymmetrical 150°x90° CRI 80



h 800 mm

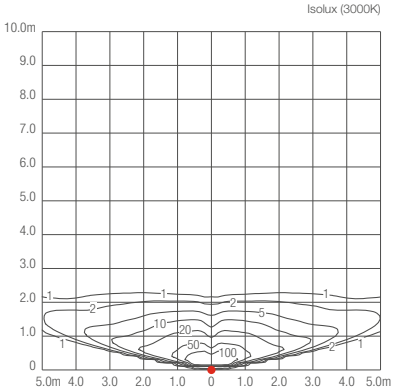
B - 60° CRI 80



h 800 mm

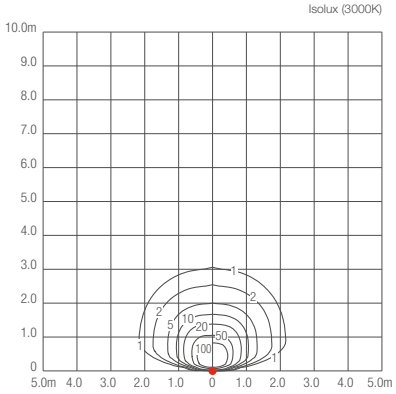
PASITO 1.1
1.2

A - Asymmetrical 150°x90° CRI 80



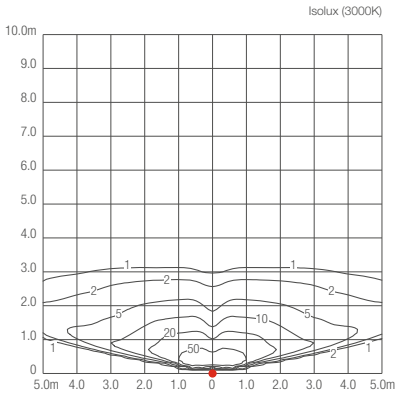
h 500 mm

B - 60° CRI 80



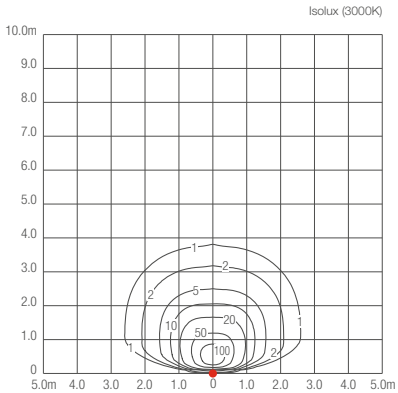
h 500 mm

A - Asymmetrical 150°x90° CRI 80



h 800 mm

B - 60° CRI 80



h 800 mm

PIVOT

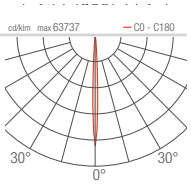
OUTDOOR PROJECTORS

PIVOT 1.7

U - 5° CRI 80

Lux max (3000K)

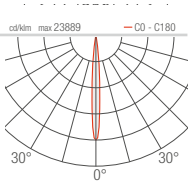
H (m)	Ø (m)	3,5W
1,00	0,09	11291
2,00	0,18	2823
3,00	0,27	1255
4,00	0,36	706
5,00	0,45	452



V - 8° CRI 80

Lux max (3000K)

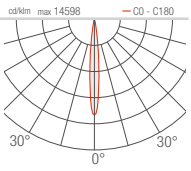
H (m)	Ø (m)	5W	7W
1,00	0,15	6998	9219
2,00	0,30	1749	2305
3,00	0,45	778	1024
4,00	0,60	437	576
5,00	0,75	280	369



T - 11° CRI 80

Lux max (3000K)

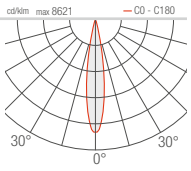
H (m)	Ø (m)	5W	7W
1,00	0,19	4904	6466
2,00	0,38	1226	1617
3,00	0,57	545	718
4,00	0,76	307	404
5,00	0,95	196	259



S - 17° CRI 80

Lux max (3000K)

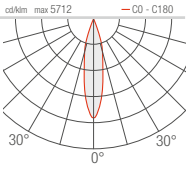
H (m)	Ø (m)	5W	7W
1,00	0,30	2914	3845
2,00	0,60	728	962
3,00	0,91	324	427
4,00	1,21	182	240
5,00	1,51	117	154



P - 21° sharp CRI 80

Lux max (3000K)

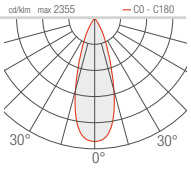
H (m)	Ø (m)	5W	7W
1,00	0,38	1400	1845
2,00	0,75	350	461
3,00	1,13	156	205
4,00	1,51	87	115
5,00	1,89	56	74



M- 34° CRI 80

Lux max (3000K)

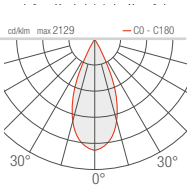
H (m)	Ø (m)	5W	7W
1,00	0,61	723	951
2,00	1,23	181	238
3,00	1,84	80	106
4,00	2,45	45	59
5,00	3,06	29	38



L - 43° CRI 80

Lux max (3000K)

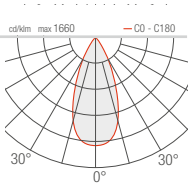
H (m)	Ø (m)	5W	7W
1,00	0,79	470	621
2,00	1,58	117	155
3,00	2,38	52	69
4,00	3,17	30	39
5,00	3,96	19	25



J - 45° CRI 80

Lux max (3000K)

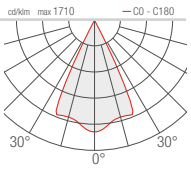
H (m)	Ø (m)	5W	7W
1,00	0,82	469	619
2,00	1,63	117	155
3,00	2,47	52	69
4,00	3,27	29	39
5,00	4,08	19	25



Q - 51° sharp CRI 80

Lux max (3000K)

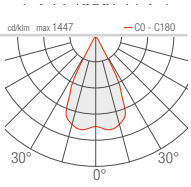
H (m)	Ø (m)	5W	7W
1,00	0,96	230	304
2,00	1,92	58	76
3,00	2,87	26	34
4,00	3,83	14	19
5,00	4,79	9	12



K - 54° CRI 80

Lux max (3000K)

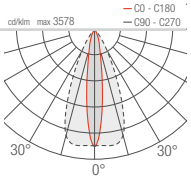
H (m)	Ø (m)	5W	7W
1,00	1,02	202	267
2,00	2,05	51	67
3,00	3,07	23	30
4,00	4,09	13	17
5,00	5,11	8	11



W - 15°x47° CRI 80

Lux max (3000K)

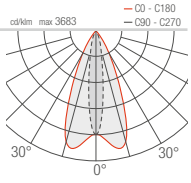
H (m)	Ø (m)	Ø (m)	5W	7W
1,00	0,27	0,86	845	1136
2,00	0,54	1,73	211	284
3,00	0,81	2,59	94	126
4,00	1,08	3,45	53	71
5,00	1,35	4,32	34	45



X - 46°x16° CRI 80

Lux max (3000K)

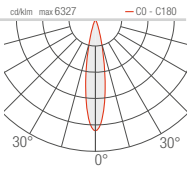
H (m)	Ø (m)	Ø (m)	5W	7W
1,00	0,86	0,24	864	1168
2,00	1,72	0,49	216	292
3,00	2,58	0,73	96	130
4,00	3,44	0,97	54	73
5,00	4,30	1,21	35	47



PIVOT 1.8

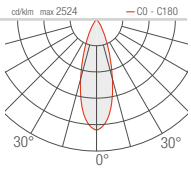
S - 20°

H (m)	Ø (m)	Lux max (white*)
1,00	0,35	968
2,00	0,69	242
3,00	1,04	108
4,00	1,39	61
5,00	1,73	39



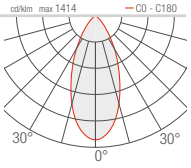
M - 33°

H (m)	Ø (m)	Lux max (white*)
1,00	0,58	389
2,00	1,17	97
3,00	1,75	43
4,00	2,34	24
5,00	2,92	16



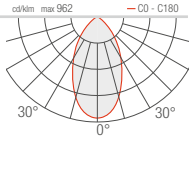
L - 45°

H (m)	Ø (m)	Lux max (white*)
1,00	0,83	188
2,00	1,66	47
3,00	2,50	21
4,00	3,33	12
5,00	4,16	8



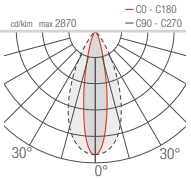
K - 58°

H (m)	Ø (m)	Lux max (white*)
1,00	1,08	145
2,00	2,17	36
3,00	3,25	16
4,00	4,33	9
5,00	5,41	6



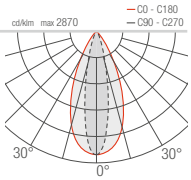
W - 22°x46°

H (m)	Ø (m)	Ø (m)	Lux max (white*)
1,00	0,38	0,85	376
2,00	0,75	1,70	94
3,00	1,13	2,55	42
4,00	1,51	3,40	23
5,00	1,88	4,24	15



X - 46°x22°

H (m)	Ø (m)	Ø (m)	Lux max (white*)
1,00	0,85	0,38	376
2,00	1,70	0,77	94
3,00	2,55	1,15	42
4,00	3,40	1,54	23
5,00	4,24	1,92	15



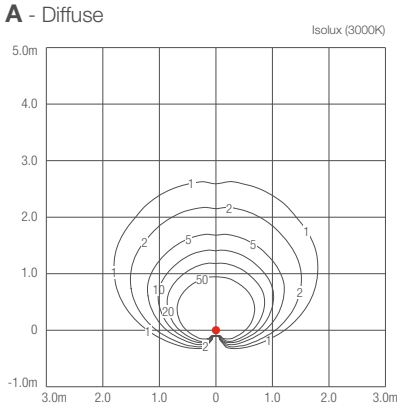
* White created by mixing the colours

PLIN

OUTDOOR BOLLARDS

PLIN 1.0

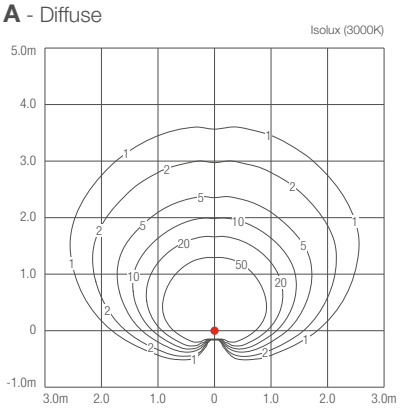
A - Diffuse



h 300 mm **12W**

PLIN 1.1

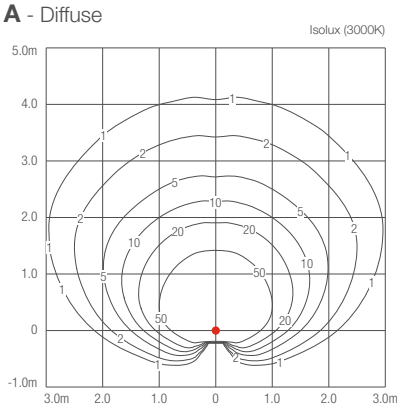
A - Diffuse



h 600 mm **12W**

PLIN 1.2

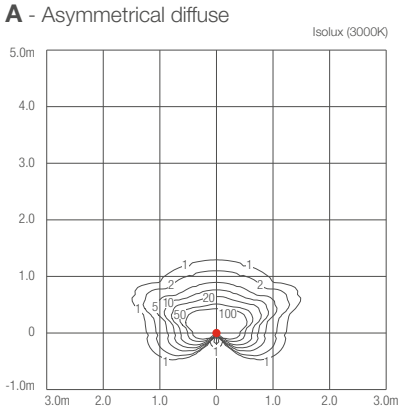
A - Diffuse



h 800 mm **12W**

PLIN 2.0

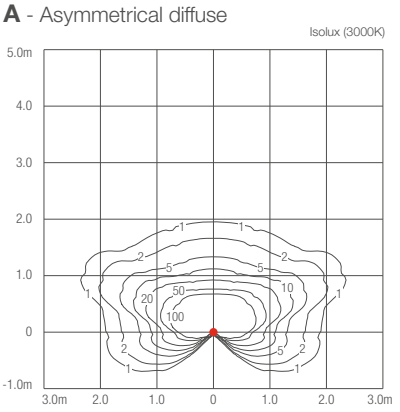
A - Asymmetrical diffuse



h 260 mm **12W**

PLIN 2.1

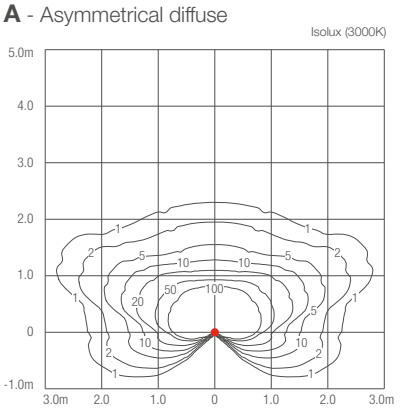
A - Asymmetrical diffuse



h 560 mm **12W**

PLIN 2.2

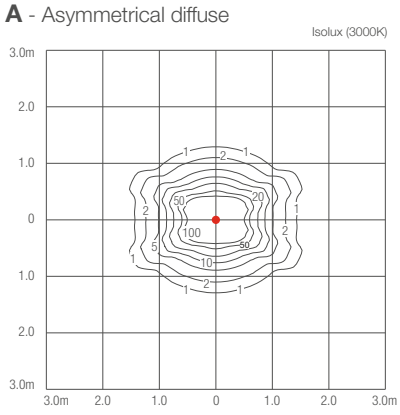
A - Asymmetrical diffuse



h 760 mm **12W**

PLIN 3.0

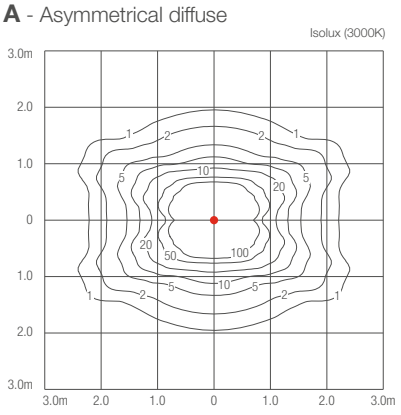
A - Asymmetrical diffuse



h 260 mm **24W**

PLIN 3.1

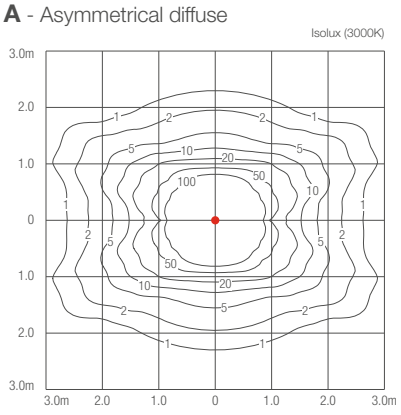
A - Asymmetrical diffuse



h 560 mm **24W**

PLIN 3.2

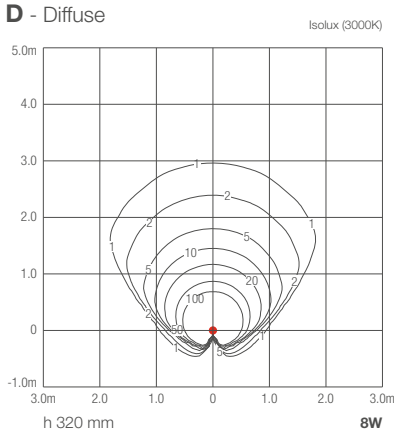
A - Asymmetrical diffuse



h 760 mm **24W**

PLIN 4.0

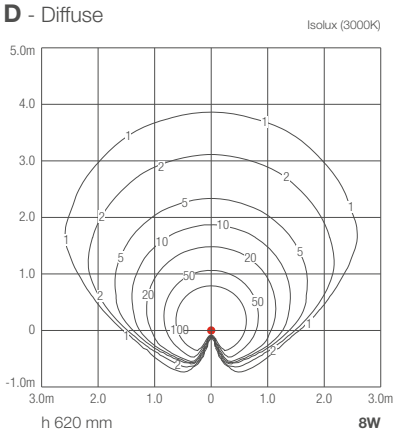
D - Diffuse



h 320 mm **8W**

PLIN 4.1

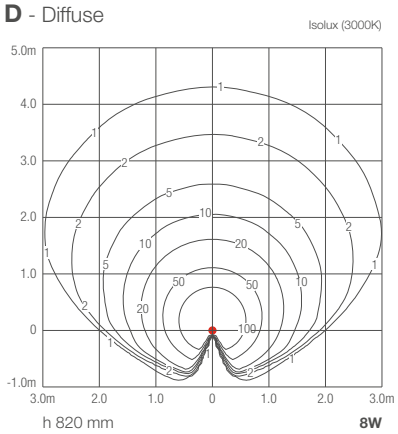
D - Diffuse



h 620 mm **8W**

PLIN 4.2

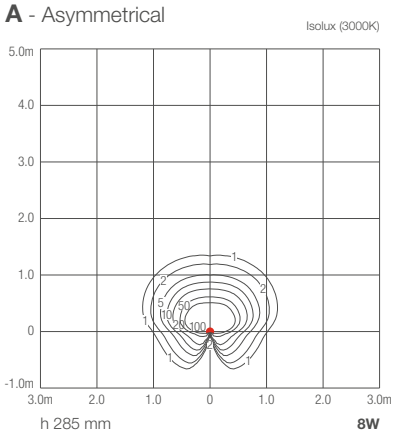
D - Diffuse



h 820 mm **8W**

PLIN 5.0

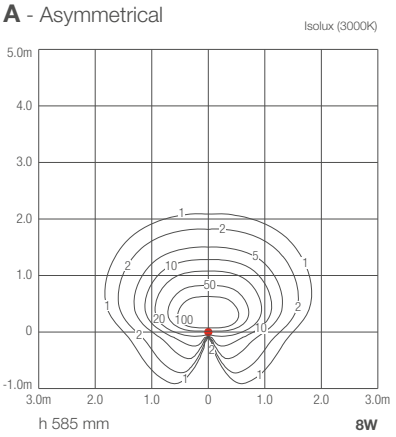
A - Asymmetrical



h 285 mm **8W**

PLIN 5.1

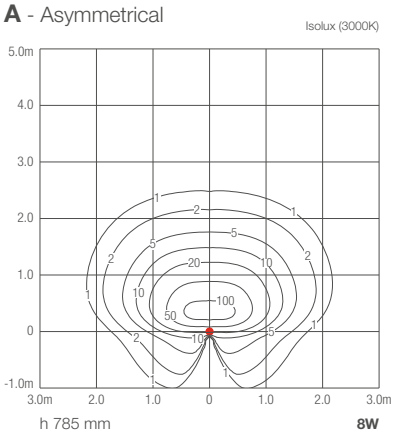
A - Asymmetrical



h 585 mm **8W**

PLIN 5.2

A - Asymmetrical



h 785 mm **8W**

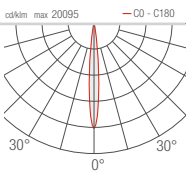
QUAD

INDOOR RECESSED

QUAD 6.1

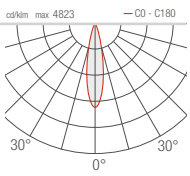
S - 12°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,09	26743
1,00	0,18	6686
1,50	0,27	2971
2,00	0,36	1671
2,50	0,45	1070
3,00	0,54	743



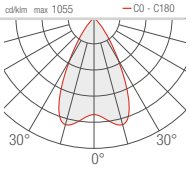
M - 24°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,20	6495
1,00	0,39	1624
1,50	0,59	722
2,00	0,78	406
2,50	0,98	260
3,00	1,17	180



L - 56°

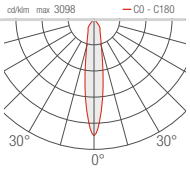
H (m)	Ø (m)	Lux max (3000K)
0,50	0,55	1282
1,00	1,11	321
1,50	1,66	142
2,00	2,21	80
2,50	2,76	51
3,00	3,32	36



QUAD MAXI 1.1 2.1

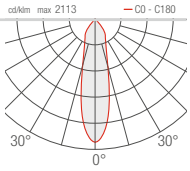
S - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,16	5138
1,00	0,32	1284
1,50	0,55	571
2,00	0,64	321
2,50	0,80	206
3,00	0,96	143



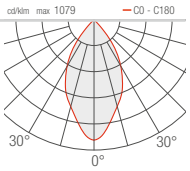
M - 29°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,24	3596
1,00	0,48	899
1,50	0,76	400
2,00	0,96	225
2,50	1,20	144
3,00	1,44	100



L - 54°

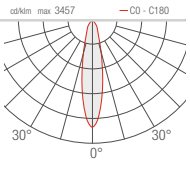
H (m)	Ø (m)	Lux max (3000K)
0,50	0,53	1835
1,00	1,06	459
1,50	1,60	204
2,00	2,12	115
2,50	2,65	73
3,00	3,18	51



QUAD MAXI 3.1 4.1

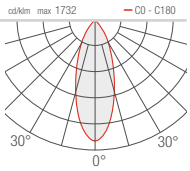
M - 20°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,21	13136
1,00	0,42	3284
1,50	0,60	1460
2,00	0,84	821
2,50	1,04	525
3,00	1,25	365



L - 40°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,34	6582
1,00	0,68	1645
1,50	1,09	731
2,00	1,37	411
2,50	1,71	263
3,00	2,05	183



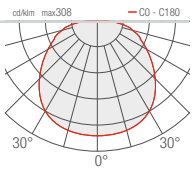
RIO

OUTDOOR LINEAR PROFILES

RIO 1.0

D - Diffuse

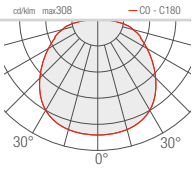
H (m)	Ø (m)	Lux max (2800K)
0,50	1,68	104
1,00	3,37	26
2,00	6,74	7
2,50	8,42	4
3,00	10,11	3



RIO 2.0

D - Diffuse

H (m)	Ø (m)	Lux max (2800K)
0,50	1,68	207
1,00	3,37	52
2,00	6,74	13
2,50	8,42	8
3,00	10,11	6



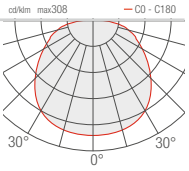
RIO SUB

UNDERWATER LINEAR PROFILES

RIO SUB 1.1

D - Diffuse

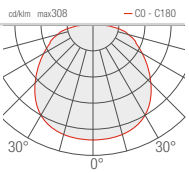
H (m)	Ø (m)	Lux max (2800K)
0,50	1,68	173
1,00	3,37	43
2,00	6,74	11
2,50	8,42	7
3,00	10,11	5



RIO SUB 2.1

D - Diffuse

H (m)	Ø (m)	Lux max (2800K)
0,50	1,68	358
1,00	3,37	89
2,00	6,74	22
2,50	8,42	14
3,00	10,11	10



RIVER / RIVER WALL

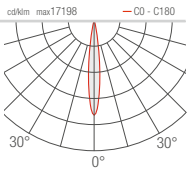
OUTDOOR LINEAR PROFILES

RIVER 1.0
RIVER WALL 1.0

S - 11°

Lux max (3000K)

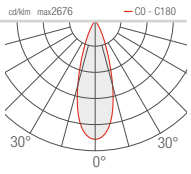
H (m)	Ø (m)	
1,00	0,20	19985
2,00	0,40	4996
3,00	0,60	2221
4,00	0,80	1249
5,00	1,00	799



M - 30°

Lux max (3000K)

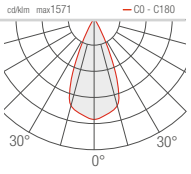
H (m)	Ø (m)	
1,00	0,52	2810
2,00	1,05	703
3,00	1,57	312
4,00	2,09	176
5,00	2,61	112



L - 47°

Lux max (3000K)

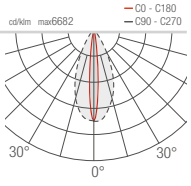
H (m)	Ø (m)	
1,00	0,86	1747
2,00	1,73	437
3,00	2,59	194
4,00	3,45	109
5,00	4,32	70



W - 10°x40°

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	
1,00	0,16	0,74	7605
2,00	0,33	1,49	1901
3,00	0,49	2,23	845
4,00	0,65	2,98	475
5,00	0,82	3,72	304

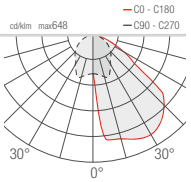


RIVER 1.1
RIVER WALL 1.1

V1 - Wall washer

Lux max (3000K)

H (m)	Ø (m)	Ø (m)	
1,00	1,52	1,67	615
2,00	3,04	3,33	154
3,00	4,56	5,00	68
4,00	6,08	6,66	38
5,00	7,59	8,33	25

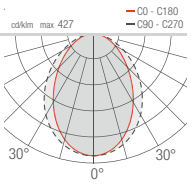


RIVER 1.2
RIVER WALL 1.2

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	
1,00	2,17	201
2,00	4,33	50
3,00	6,50	22
4,00	8,67	13
5,00	10,84	8

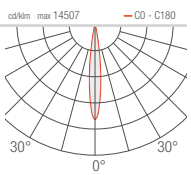


RIVER 4.0
RIVER WALL 4.0

S - 13°

Lux max (4000K)

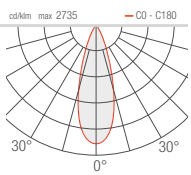
H (m)	Ø (m)	
1,00	0,20	11954
2,00	0,40	2989
3,00	0,60	1328
4,00	0,80	747
5,00	1,00	478



M - 33°

Lux max (4000K)

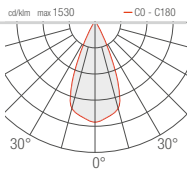
H (m)	Ø (m)	
1,00	0,52	2297
2,00	1,05	574
3,00	1,57	255
4,00	2,09	144
5,00	2,61	92



L - 47°

Lux max (4000K)

H (m)	Ø (m)	
1,00	0,86	1308
2,00	1,73	327
3,00	2,59	145
4,00	3,45	82
5,00	4,32	52

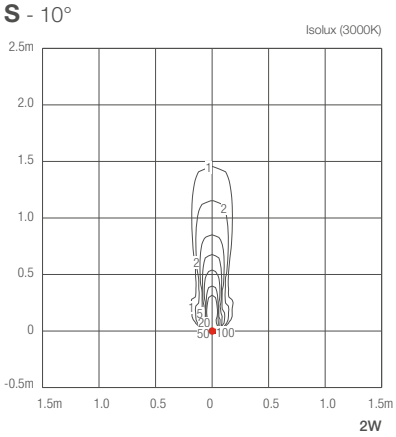


RONDÒ

OUTDOOR STEP LIGHTS

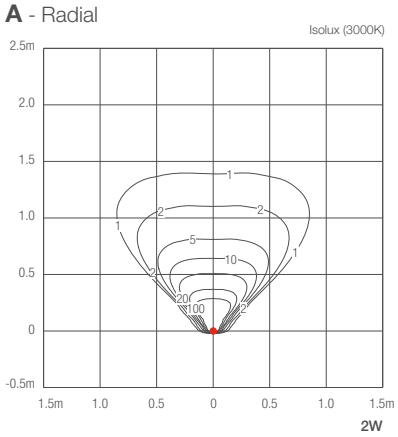
RONDÒ 1.1

S - 10°



2W

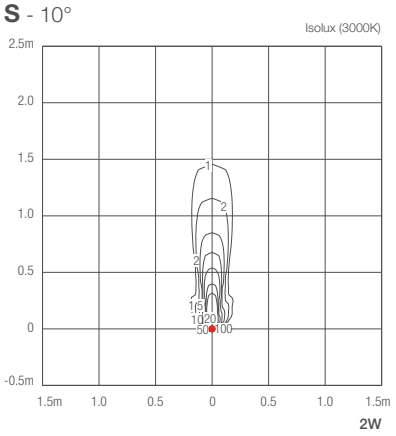
A - Radial



2W

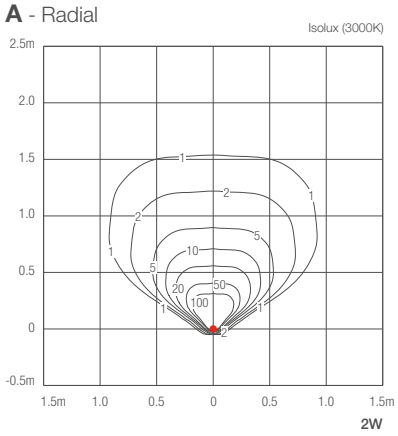
RONDÒ 2.1

S - 10°



2W

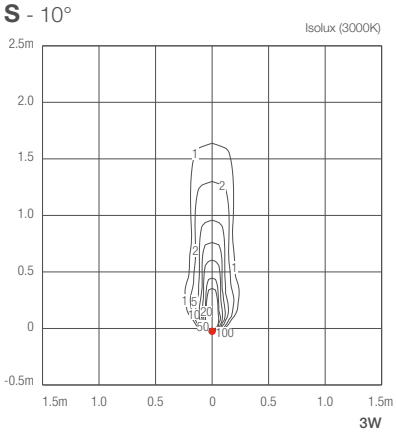
A - Radial



2W

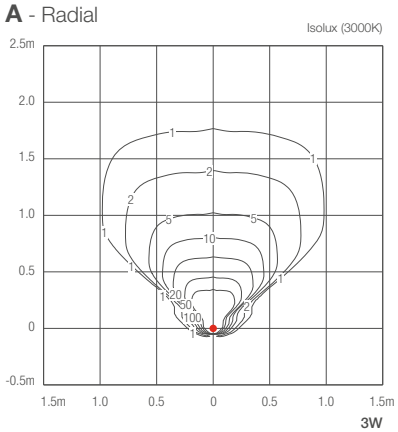
RONDÒ 3.1

S - 10°



3W

A - Radial



3W

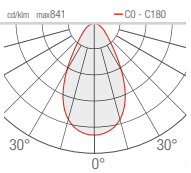
SIMPLY

INDOOR STEP LIGHTS

SIMPLY 1.0

D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
0,50	0,54	124
1,00	1,07	31
1,50	1,70	14
2,00	2,14	8
2,50	2,68	5
3,00	3,22	3



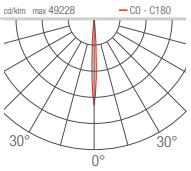
SIRI

OUTDOOR PROJECTORS

SIRI 1.0 1.1

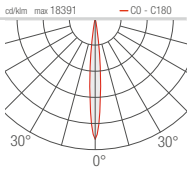
V - 6°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,10	22596
2,00	0,20	5849
3,00	0,31	2511
4,00	0,41	1412
5,00	0,51	904



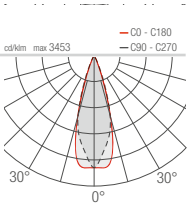
S - 12°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,18	8092
2,00	0,36	2023
3,00	0,54	899
4,00	0,72	506
5,00	0,90	324



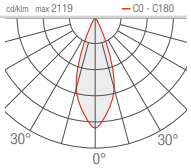
M - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,57	1451
2,00	1,14	383
3,00	1,71	161
4,00	2,28	91
5,00	2,85	58



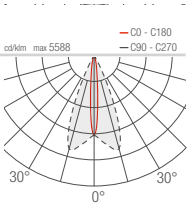
L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,70	748
2,00	1,40	187
3,00	2,11	83
4,00	2,81	47
5,00	3,51	30



W - 10°x45°

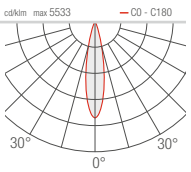
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,15	0,84	2072
2,00	0,30	1,68	518
3,00	0,45	2,53	230
4,00	0,60	3,37	129
5,00	0,75	4,21	83



SIRI 1.2 1.3

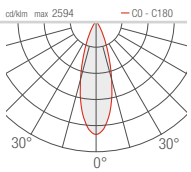
S - 21°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,36	2103
2,00	0,73	526
3,00	1,09	234
4,00	1,45	131
5,00	1,82	84



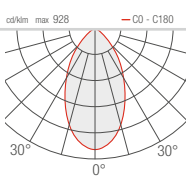
M - 32°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,57	983
2,00	1,13	246
3,00	1,70	109
4,00	2,27	61
5,00	2,83	39



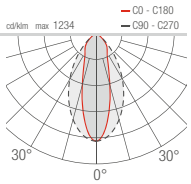
L - 58°

H (m)	Ø (m)	Lux max (4000K)
1,00	1,11	346
2,00	2,21	87
3,00	3,32	38
4,00	4,42	22
5,00	5,53	14



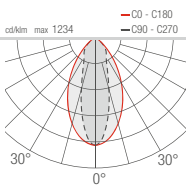
W - 30°x60°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,53	1,14	450
2,00	1,06	2,28	113
3,00	1,60	3,42	50
4,00	2,13	4,55	28
5,00	2,66	5,69	18



X - 60°x30°

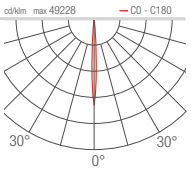
H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	1,14	0,53	450
2,00	2,28	1,06	113
3,00	3,42	1,60	50
4,00	4,55	2,13	28
5,00	5,69	2,66	18



SIRI 2.0
2.1

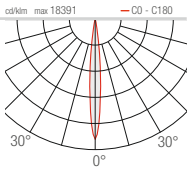
V - 6°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,10	50065
2,00	0,20	12516
3,00	0,31	5563
4,00	0,41	3129
5,00	0,51	2003



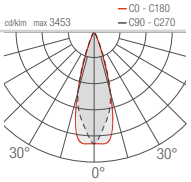
S - 12°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,18	17545
2,00	0,36	4386
3,00	0,54	1949
4,00	0,72	1097
5,00	0,90	702



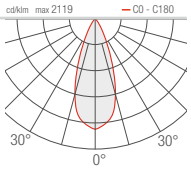
M - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,57	3181
2,00	1,14	795
3,00	1,71	353
4,00	2,28	199
5,00	2,85	127



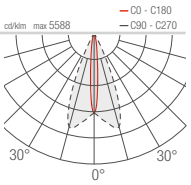
L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,70	1598
2,00	1,40	400
3,00	2,11	178
4,00	2,81	100
5,00	3,51	64



W - 10°x45°

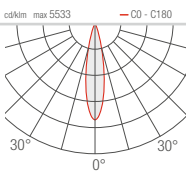
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,15	0,84	4509
2,00	0,30	1,68	1127
3,00	0,45	2,53	501
4,00	0,60	3,37	282
5,00	0,75	4,21	180



SIRI 2.2
2.3

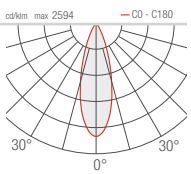
S - 21°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,36	4189
2,00	0,73	1047
3,00	1,09	465
4,00	1,45	262
5,00	1,82	168



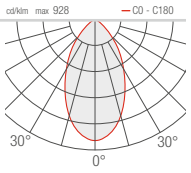
M - 32°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,57	1962
2,00	1,13	490
3,00	1,70	218
4,00	2,27	123
5,00	2,83	78



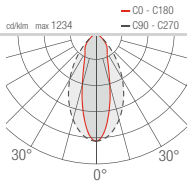
L - 58°

H (m)	Ø (m)	Lux max (4000K)
1,00	1,11	691
2,00	2,21	173
3,00	3,32	77
4,00	4,42	43
5,00	5,53	28



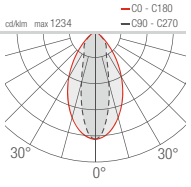
W - 30°x60°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,53	1,14	897
2,00	1,06	2,28	224
3,00	1,60	3,42	100
4,00	2,13	4,55	56
5,00	2,66	5,69	36



X - 60°x30°

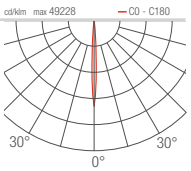
H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	1,14	0,53	897
2,00	2,28	1,06	222
3,00	3,42	1,60	100
4,00	4,55	2,13	56
5,00	5,69	2,66	36



SIRI 3.0
3.1

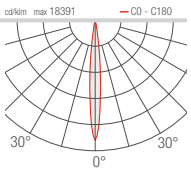
V - 6°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,10	79799
2,00	0,20	19950
3,00	0,31	8867
4,00	0,41	4987
5,00	0,51	3192



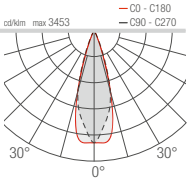
S - 12°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,18	28489
2,00	0,36	7117
3,00	0,54	3163
4,00	0,72	1779
5,00	0,90	1139



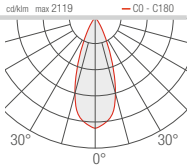
M - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,57	5127
2,00	1,14	1282
3,00	1,71	570
4,00	2,28	320
5,00	2,85	205



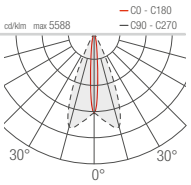
L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,70	2645
2,00	1,40	661
3,00	2,11	294
4,00	2,81	165
5,00	3,51	106



W - 10°x45°

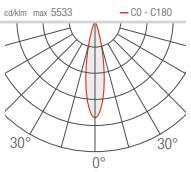
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,15	0,84	7328
2,00	0,30	1,68	1832
3,00	0,45	2,53	814
4,00	0,60	3,37	458
5,00	0,75	4,21	293



SIRI 3.2
3.3

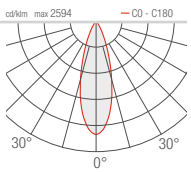
S - 21°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,36	8500
2,00	0,73	2125
3,00	1,09	844
4,00	1,45	531
5,00	1,82	340



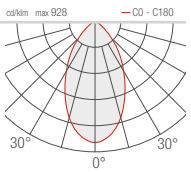
M - 32°

H (m)	Ø (m)	Lux max (4000K)
1,00	0,57	3975
2,00	1,13	994
3,00	1,70	442
4,00	2,27	248
5,00	2,83	159



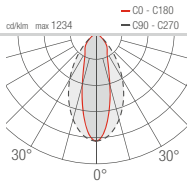
L - 58°

H (m)	Ø (m)	Lux max (4000K)
1,00	1,11	1400
2,00	2,21	350
3,00	3,32	156
4,00	4,42	88
5,00	5,53	56



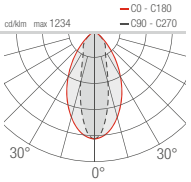
W - 30°x60°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	0,53	1,14	1820
2,00	1,06	2,28	455
3,00	1,60	3,42	202
4,00	2,13	4,55	114
5,00	2,66	5,69	73



X - 60°x30°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
1,00	1,14	0,53	1820
2,00	2,28	1,06	455
3,00	3,42	1,60	202
4,00	4,55	2,13	114
5,00	5,69	2,66	73

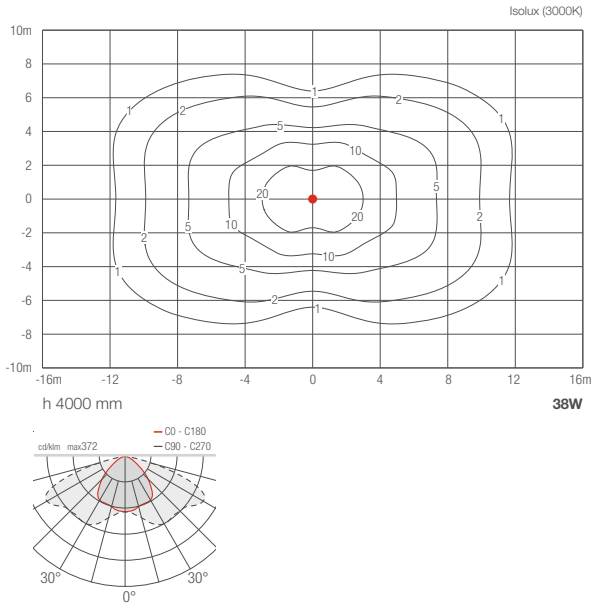


SIRI BLVD

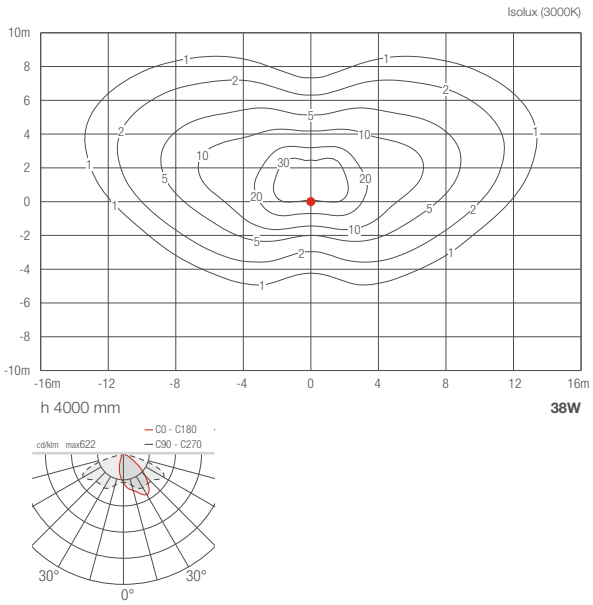
URBAN LIGHTING

SIRI BLVD 1.0
2.0
3.0

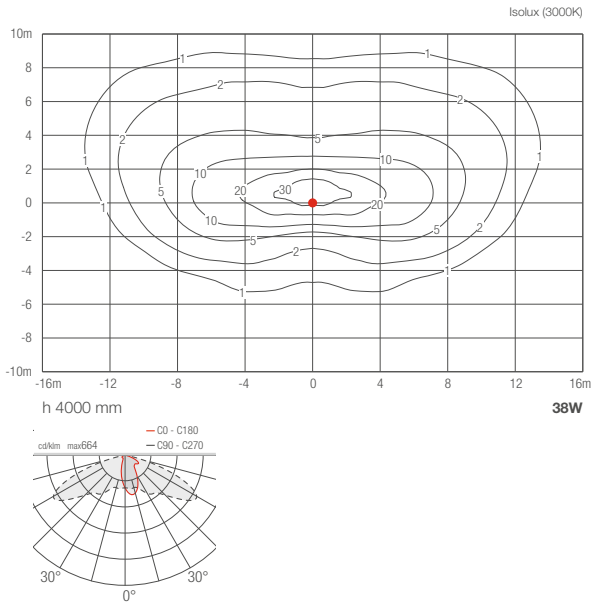
A- Pedestrian zone



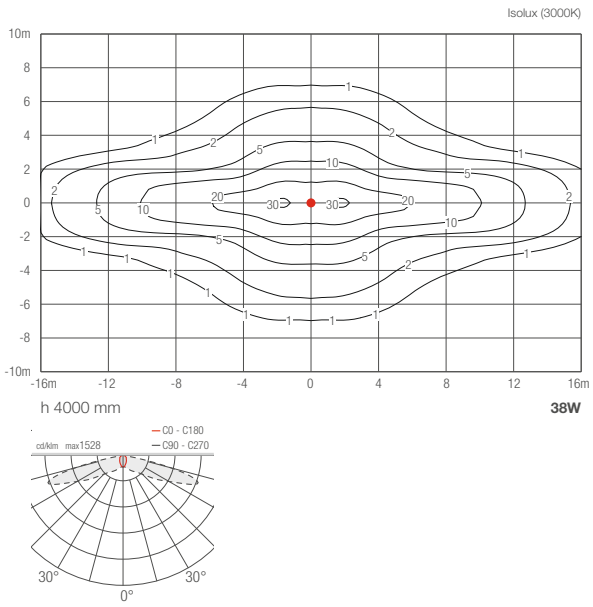
B- Asymmetrical



C- Footpath



D- Cycle path



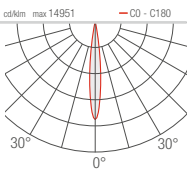
SIRI TRACK

INDOOR PROJECTORS

SIRI TRACK 2.0

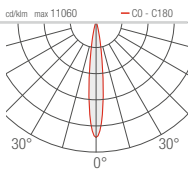
11° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,22	15385
2,00	0,44	3846
3,00	0,66	1709
4,00	0,88	962
5,00	1,11	615



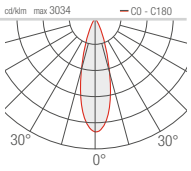
18° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,26	11337
2,00	0,52	2834
3,00	0,78	1260
4,00	1,04	709
5,00	1,30	453



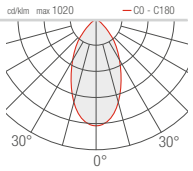
29° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	3065
2,00	1,05	766
3,00	1,57	341
4,00	2,10	192
5,00	2,62	123



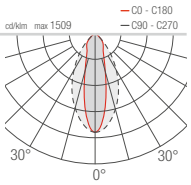
55° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	1,04	1012
2,00	2,08	253
3,00	3,12	112
4,00	4,16	63
5,00	5,20	40



24°x55° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,45	1,03	1460
2,00	0,90	2,06	365
3,00	1,35	3,09	162
4,00	1,80	4,12	91
5,00	2,26	5,15	58



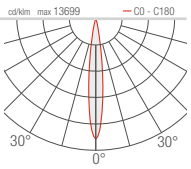
SMOOTHY

OUTDOOR RECESSED

SMOOTHY 1.0

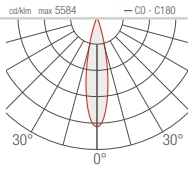
S - 13° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,24	2466
2,00	0,46	616
3,00	0,70	274
4,00	0,92	154
5,00	1,16	99



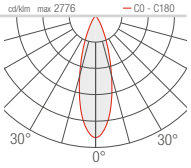
M - 22° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,40	1050
2,00	0,80	262
3,00	1,18	117
4,00	1,58	66
5,00	1,98	42



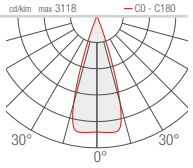
F - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,54	430
2,00	1,08	108
3,00	1,62	48
4,00	2,18	27
5,00	2,72	17



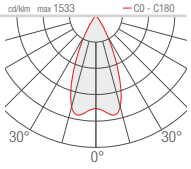
P - 35° sharp CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,62	148
2,00	1,12	37
3,00	1,86	16
4,00	2,50	9
5,00	3,12	6



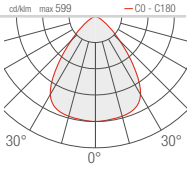
L - 48° CRI 80

H (m)	Ø (m)	Lux max (3000K)
1,00	0,88	275
2,00	1,76	69
3,00	2,64	31
4,00	3,52	17
5,00	4,40	11



D - Diffuse CRI 80

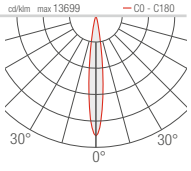
H (m)	Ø (m)	Lux max (3000K)
1,00	1,68	59
2,00	3,36	15
3,00	5,04	7
4,00	6,70	4
5,00	8,38	2



SMOOTHY 1.6
2.8

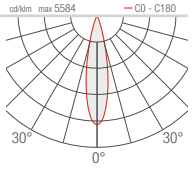
S - 13° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,24	1863	2466
2,00	0,46	466	616
3,00	0,70	207	274
4,00	0,92	116	154
5,00	1,16	75	99



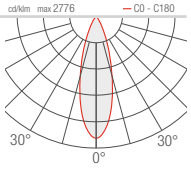
M - 22° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,40	810	1050
2,00	0,80	202	262
3,00	1,18	90	117
4,00	1,58	51	66
5,00	1,98	32	42



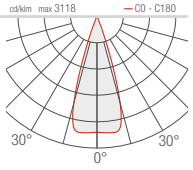
F - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,54	333	430
2,00	1,08	83	108
3,00	1,62	37	48
4,00	2,18	21	27
5,00	2,72	13	17



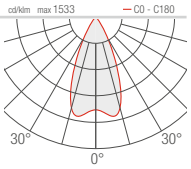
P - 35° sharp CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,62	114	148
2,00	1,12	29	37
3,00	1,86	13	16
4,00	2,50	7	9
5,00	3,12	5	6



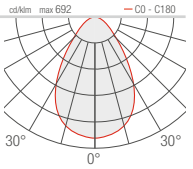
L - 48° CRI 80

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	0,88	211	275
2,00	1,76	53	69
3,00	2,64	23	31
4,00	3,52	13	17
5,00	4,40	8	11



D - Diffuse CRI 80 (Smoothy 1.6)

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
1,00	1,38	62	44
2,00	2,76	15	11
3,00	4,13	7	5
4,00	5,51	4	3
5,00	6,89	2	2

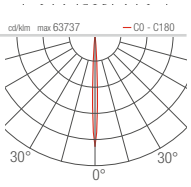


SMOOTHY 2.4
5.6

U - 5° CRI 80

Lux max (3000K)

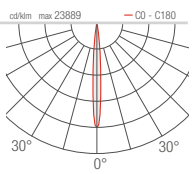
H (m)	Ø (m)	**3,5W**
1,00	0,09	11291
2,00	0,18	2823
3,00	0,27	1255
4,00	0,36	706
5,00	0,45	452



V - 8° CRI 80

Lux max (3000K)

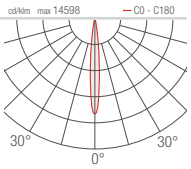
H (m)	Ø (m)	**5W**	**7W**
1,00	0,15	6998	9219
2,00	0,30	1749	2305
3,00	0,45	778	1024
4,00	0,60	437	576
5,00	0,75	280	369



T - 11° CRI 80

Lux max (3000K)

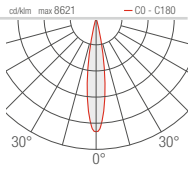
H (m)	Ø (m)	**5W**	**7W**
1,00	0,19	4904	6466
2,00	0,38	1226	1617
3,00	0,57	545	718
4,00	0,76	307	404
5,00	0,95	196	259



S - 17° CRI 80

Lux max (3000K)

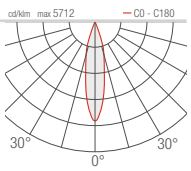
H (m)	Ø (m)	**5W**	**7W**
1,00	0,30	2914	3845
2,00	0,60	728	962
3,00	0,91	324	427
4,00	1,21	182	240
5,00	1,51	117	154



P - 21° sharp CRI 80

Lux max (3000K)

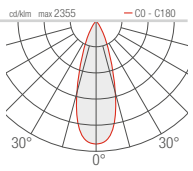
H (m)	Ø (m)	**5W**	**7W**
1,00	0,38	1400	1845
2,00	0,75	350	461
3,00	1,13	156	205
4,00	1,51	87	115
5,00	1,89	56	74



M - 34° CRI 80

Lux max (3000K)

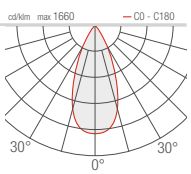
H (m)	Ø (m)	**5W**	**7W**
1,00	0,61	723	951
2,00	1,23	181	238
3,00	1,84	80	106
4,00	2,45	45	59
5,00	3,06	29	38



L - 45° CRI 80

Lux max (3000K)

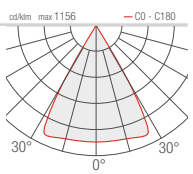
H (m)	Ø (m)	**5W**	**7W**
1,00	0,82	469	619
2,00	1,63	117	155
3,00	2,47	52	69
4,00	3,27	29	39
5,00	4,08	19	25



Q - 61° sharp CRI 80

Lux max (3000K)

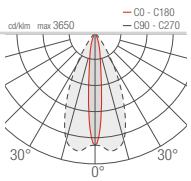
H (m)	Ø (m)	**5W**	**7W**
1,00	1,18	239	315
2,00	2,36	60	79
3,00	3,55	27	35
4,00	4,73	15	20
5,00	5,91	10	13



W - 13°x52° CRI 80

Lux max (3000K)

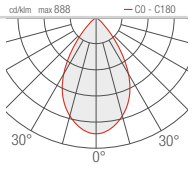
H (m)	Ø (m)	Ø (m)	**5W**	**7W**
1,00	0,23	0,98	1123	1478
2,00	0,43	1,96	281	370
3,00	0,70	2,93	125	164
4,00	0,93	3,91	70	92
5,00	1,17	4,89	45	59



D - Diffuse CRI 80 (Smoothy 2.4)

Lux max (3000K)

H (m)	Ø (m)	**5W**	**7W**
1,00	1,27	182	241
2,00	2,54	46	60
3,00	3,81	20	27
4,00	5,08	11	15
5,00	6,34	7	10

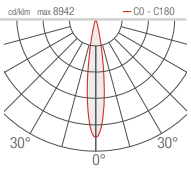


SMOOTHY 5.4

S - 16° CRI 80

Lux max (3000K)

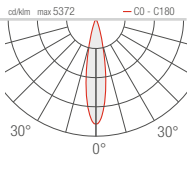
H (m)	Ø (m)	10W	13W
1,00	0,28	5580	7431
2,00	0,56	1395	1858
3,00	0,84	620	826
4,00	1,13	349	464
5,00	1,41	223	297



M - 21° CRI 80

Lux max (3000K)

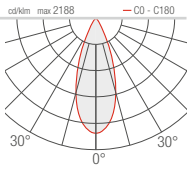
H (m)	Ø (m)	10W	13W
1,00	0,37	3304	4405
2,00	0,74	826	1101
3,00	1,11	367	489
4,00	1,49	206	275
5,00	1,86	132	176



L - 38° CRI 80

Lux max (3000K)

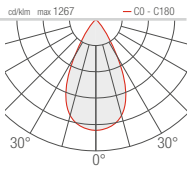
H (m)	Ø (m)	10W	13W
1,00	0,69	1755	2330
2,00	1,38	439	582
3,00	2,07	195	256
4,00	2,76	110	146
5,00	3,45	70	93



K - 55° CRI 80

Lux max (3000K)

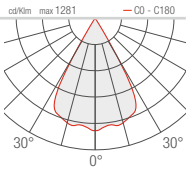
H (m)	Ø (m)	10W	13W
1,00	1,04	1070	1425
2,00	2,08	268	356
3,00	3,12	119	158
4,00	4,16	67	89
5,00	5,20	43	57



P - 58° sharp CRI 80

Lux max (3000K)

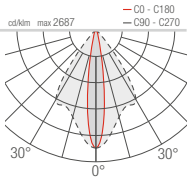
H (m)	Ø (m)	10W	13W
1,00	1,12	513	681
2,00	2,25	128	170
3,00	3,37	57	76
4,00	4,50	32	43
5,00	5,62	21	27



W - 16°x69° adjustable CRI 80

Lux max (3000K)

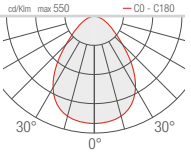
H (m)	Ø (m)	Ø (m)	10W	13W
1,00	0,28	1,37	1537	2048
2,00	0,56	2,74	384	512
3,00	0,84	4,11	171	228
4,00	1,12	5,48	96	128
5,00	1,40	6,85	61	82



D - Diffuse CRI 80

Lux max (3000K)

H (m)	Ø (m)	10W	13W
1,00	1,69	305	407
2,00	3,37	76	102
3,00	5,06	34	45
4,00	6,75	19	25
5,00	8,43	12	16



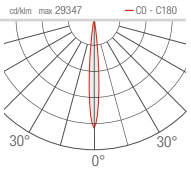
SNACK

INDOOR LINEAR PROFILES

SNACK 1.0

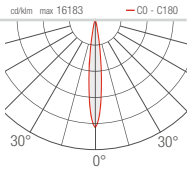
T - 7°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,18	13734
2,00	0,35	3434
3,00	0,53	1526
4,00	0,70	858
5,00	0,88	549



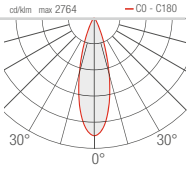
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	7379
2,00	0,46	1845
3,00	0,69	820
4,00	0,92	461
5,00	1,15	295



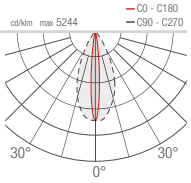
F - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,56	1174
2,00	1,12	294
3,00	1,68	130
4,00	2,23	73
5,00	2,79	47



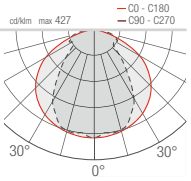
W - 10°x45°

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,19	0,86	2096
2,00	0,37	1,78	524
3,00	0,56	2,57	233
4,00	0,74	3,42	131
5,00	0,93	4,28	84



D - Diffuse

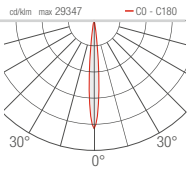
H (m)	Ø (m)	Lux max (3000K)
1,00	3,47	66
2,00	6,95	17
3,00	10,42	7
4,00	13,85	4
5,00	17,40	3



SNACK 2.0

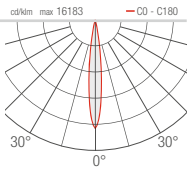
T - 7°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,18	8241
2,00	0,35	2060
3,00	0,53	916
4,00	0,70	515
5,00	0,88	330



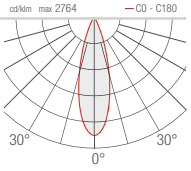
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,32	4428
2,00	0,46	1107
3,00	0,69	492
4,00	0,92	277
5,00	1,15	177



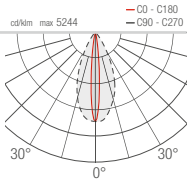
F - 30°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,56	705
2,00	1,12	176
3,00	1,68	78
4,00	2,23	44
5,00	2,79	28



W - 10°x45°

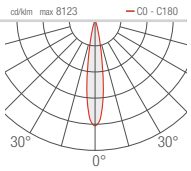
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,19	0,86	1257
2,00	0,37	1,78	314
3,00	0,56	2,57	140
4,00	0,74	3,42	79
5,00	0,93	4,28	50



SNACK 3.0

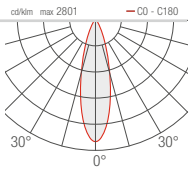
S - 18°

H (m)	Ø (m)	Lux max (white*)
1,00	0,30	1095
2,00	0,60	273
3,00	0,90	123
4,00	1,19	69
5,00	1,49	45



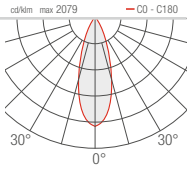
M - 26°

H (m)	Ø (m)	Lux max (white*)
1,00	0,50	369
2,00	0,99	63
3,00	1,49	42
4,00	1,99	24
5,00	2,49	15



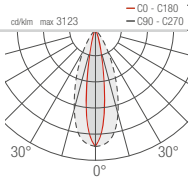
L - 32°

H (m)	Ø (m)	Lux max (white*)
1,00	0,62	261
2,00	1,24	66
3,00	1,85	30
4,00	2,47	15
5,00	3,09	9



W - 22°x42°

H (m)	Ø (m)	Ø (m)	Lux max (white*)
1,00	0,31	0,76	393
2,00	0,61	1,52	99
3,00	0,92	2,27	45
4,00	1,23	3,03	24
5,00	1,53	3,79	15



* White created by mixing the colours

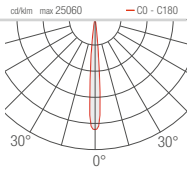
SPOT

OUTDOOR PROJECTORS

SPOT 1.0 1.6

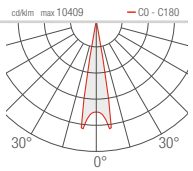
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	2180
2,00	0,33	545
3,00	0,50	242
4,00	0,66	136
5,00	0,83	87



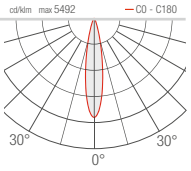
V - 19° sharp

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	341
2,00	0,68	85
3,00	1,01	38
4,00	1,35	21
5,00	1,69	14



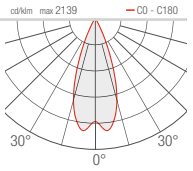
M - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	483
2,00	0,69	121
3,00	1,03	54
4,00	1,38	30
5,00	1,72	19



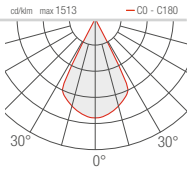
L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,71	181
2,00	1,42	45
3,00	2,13	20
4,00	2,84	11
5,00	3,55	7



T - 54° sharp

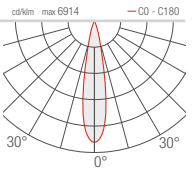
H (m)	Ø (m)	Lux max (3000K)
1,00	1,02	48
2,00	2,05	12
3,00	3,07	5
4,00	4,10	3
5,00	5,12	2



SPOT 2.4

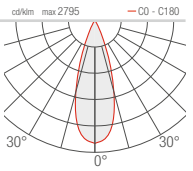
S - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,35	2852
2,00	0,70	713
3,00	1,05	317
4,00	1,39	178
5,00	1,74	114



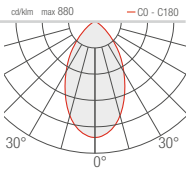
M - 34°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,61	1180
2,00	1,21	295
3,00	1,82	131
4,00	2,43	74
5,00	3,03	47



L - 60°

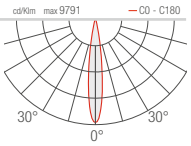
H (m)	Ø (m)	Lux max (3000K)
1,00	1,15	335
2,00	2,31	84
3,00	3,46	37
4,00	4,62	21
5,00	5,77	13



SPOT 3.4

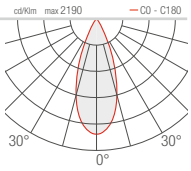
S - 15°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,26	7599
2,00	0,53	1900
3,00	0,79	844
4,00	1,05	475
5,00	1,32	304



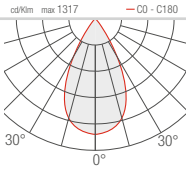
M - 39°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,71	2283
2,00	1,41	571
3,00	2,12	254
4,00	2,82	143
5,00	3,53	91



L - 55°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,03	1408
2,00	2,06	352
3,00	3,09	156
4,00	4,12	88
5,00	5,15	56



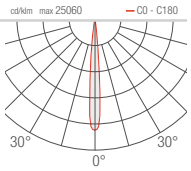
SPOT 316L

UNDERWATER AND OUTDOOR PROJECTORS

SPOT 1.0 316L
1.6 316L

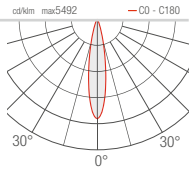
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	2180
2,00	0,33	545
3,00	0,50	242
4,00	0,66	136
5,00	0,83	87



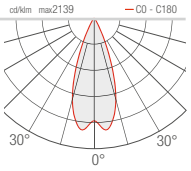
M - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	483
2,00	0,69	121
3,00	1,03	54
4,00	1,38	30
5,00	1,72	19



L - 40°

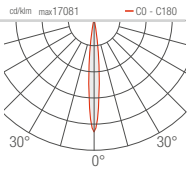
H (m)	Ø (m)	Lux max (3000K)
1,00	0,71	181
2,00	1,42	45
3,00	2,13	20
4,00	2,84	11
5,00	3,55	7



SPOT 2.0 316L
2.6 316L

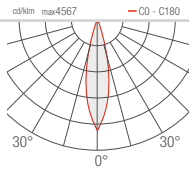
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,18	5329
2,00	0,35	1332
3,00	0,53	592
4,00	0,70	333
5,00	0,88	213



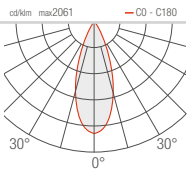
M - 24°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,42	1434
2,00	0,83	359
3,00	1,25	159
4,00	1,67	90
5,00	2,09	57



L - 38°

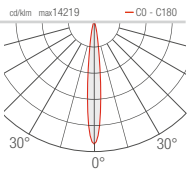
H (m)	Ø (m)	Lux max (3000K)
1,00	0,67	588
2,00	1,35	147
3,00	2,02	65
4,00	2,69	37
5,00	3,37	24



SPOT 3.0 316L

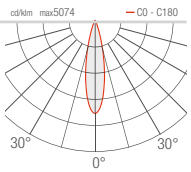
S - 10°

H (m)	Ø (m)	Lux max (3000K) 12W	18W
1,00	0,21	8432	12698
2,00	0,42	2108	3174
3,00	0,64	937	1411
4,00	0,85	527	794
5,00	1,06	337	508



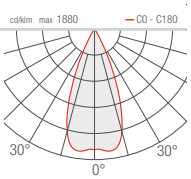
M - 20°

H (m)	Ø (m)	Lux max (3000K) 12W	18W
1,00	0,40	3024	4531
2,00	0,81	756	1133
3,00	1,21	336	503
4,00	1,61	189	283
5,00	2,01	121	181



L - 40°

H (m)	Ø (m)	Lux max (3000K) 12W	18W
1,00	0,79	962	1444
2,00	1,59	241	361
3,00	2,38	107	160
4,00	3,18	60	90
5,00	3,97	38	58

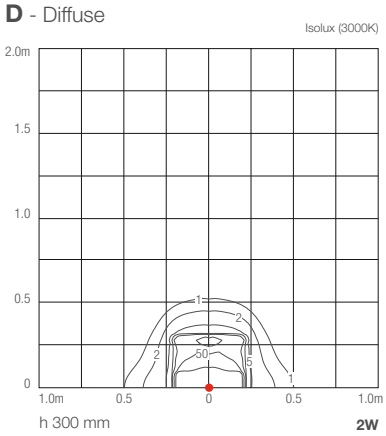


STEP INSIDE

INDOOR STEP LIGHTS

STEP INSIDE 2.2
2.3
2.8
2.9

D - Diffuse



h 300 mm

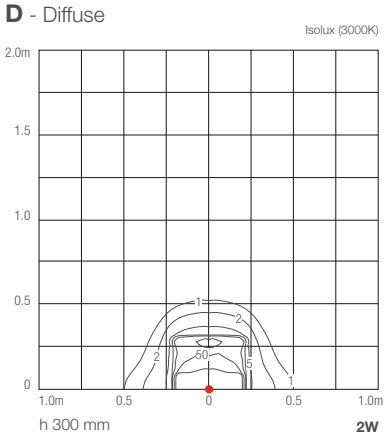
2W

STEP OUTSIDE

OUTDOOR STEP LIGHTS

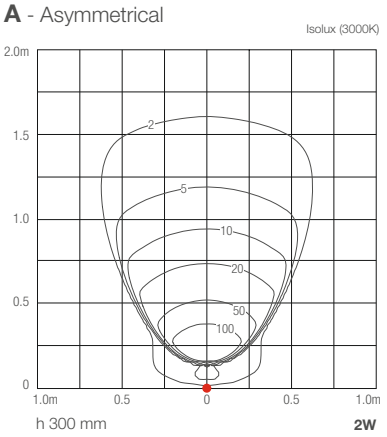
STEP OUTSIDE 2.0
2.1
2.6
2.7

D - Diffuse



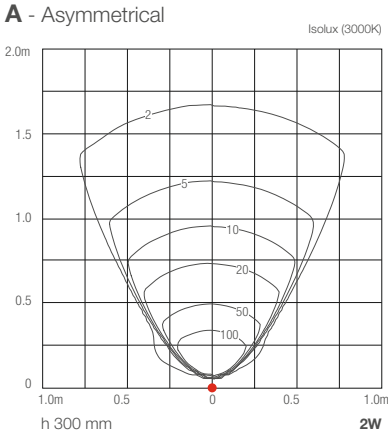
STEP OUTSIDE 5.1

A - Asymmetrical



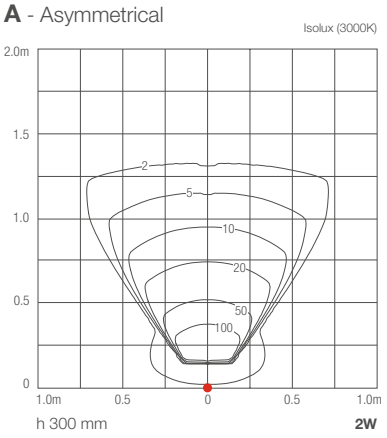
STEP OUTSIDE 5.2

A - Asymmetrical



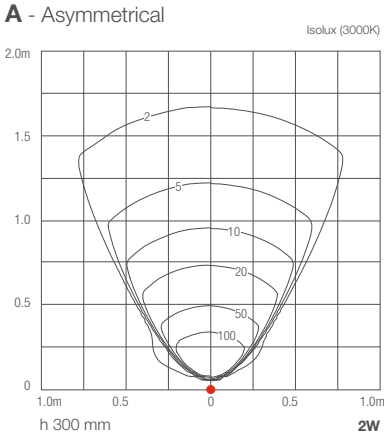
STEP OUTSIDE 6.1

A - Asymmetrical



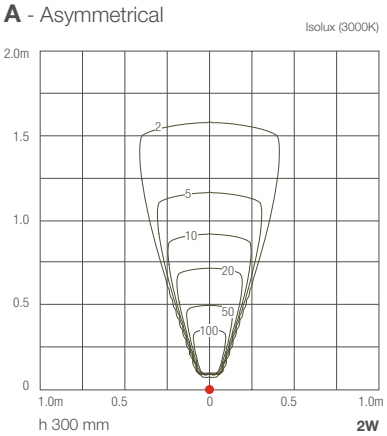
STEP OUTSIDE 6.2

A - Asymmetrical



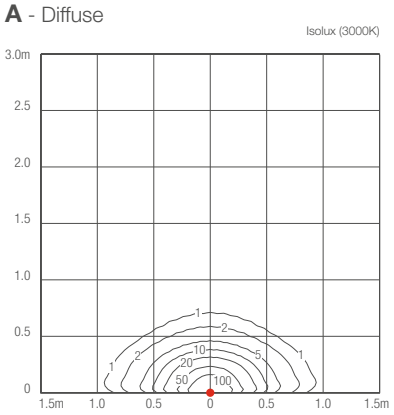
STEP OUTSIDE 6.3

A - Asymmetrical



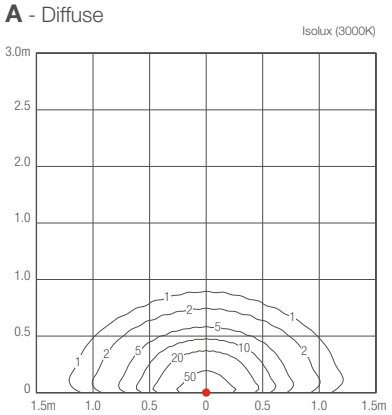
STEP OUTSIDE 7.0

A - Diffuse



h 300 mm **3,5W**

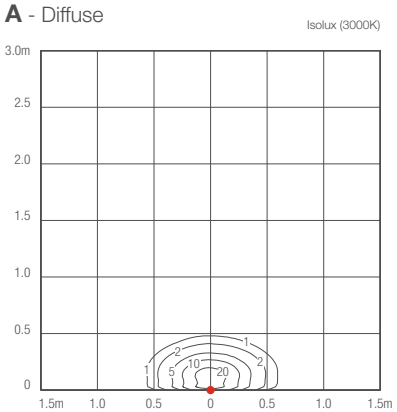
A - Diffuse



h 500 mm **3,5W**

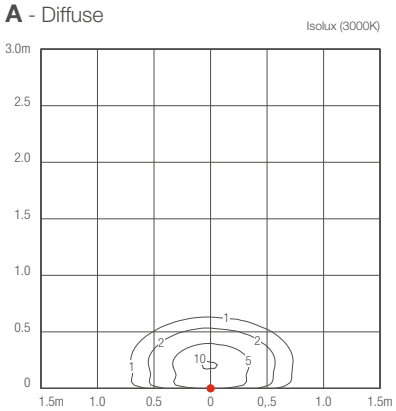
STEP OUTSIDE 8.0

A - Diffuse



h 300 mm **3,5W**

A - Diffuse



h 500 mm **3,5W**

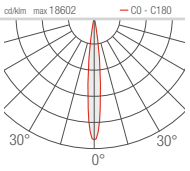
STRA

OUTDOOR RECESSED

STRA 1.0

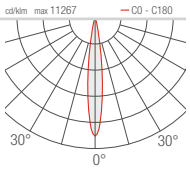
V - 11° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,41	10890
4,00	0,81	2723
6,00	1,22	1210
8,00	1,63	681
10,00	2,03	436



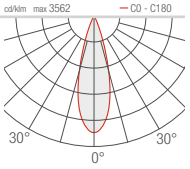
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,49	5993
4,00	0,99	1498
6,00	1,46	666
8,00	1,94	375
10,00	2,43	240



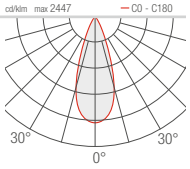
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,06	1803
4,00	2,11	451
6,00	3,24	200
8,00	4,31	113
10,00	5,39	72



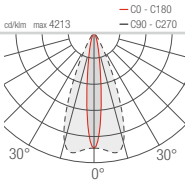
L - 37° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,34	1155
4,00	2,69	289
6,00	4,03	128
8,00	5,37	72
10,00	6,72	46



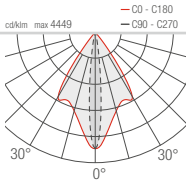
W - 10°x45° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,47	1,63	1890
4,00	0,95	3,26	473
6,00	1,42	4,89	210
8,00	1,90	6,51	118
10,00	2,37	8,14	76



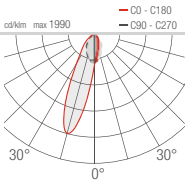
X - 66°x11° adjustable CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	2,59	0,40	2454
4,00	5,19	0,80	613
6,00	7,78	1,20	273
8,00	10,38	1,60	153
10,00	12,97	2,00	98



H - Wall washer CRI 80

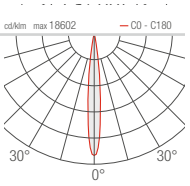
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,86	2,11	639
4,00	1,73	4,23	160
6,00	2,59	6,34	71
8,00	3,45	8,46	40
10,00	4,32	10,57	26



STRA 2.0

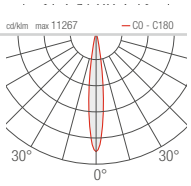
V - 11° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,41	7260
4,00	0,81	1815
6,00	1,22	807
8,00	1,63	454
10,00	2,03	290



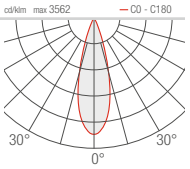
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,49	3994
4,00	0,99	999
6,00	1,46	444
8,00	1,94	250
10,00	2,43	160



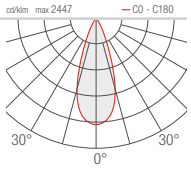
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,06	1202
4,00	2,11	301
6,00	3,24	134
8,00	4,31	75
10,00	5,39	48



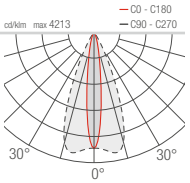
L - 37° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,34	769
4,00	2,69	192
6,00	4,03	85
8,00	5,37	48
10,00	6,72	31



W - 10°x45° CRI 80

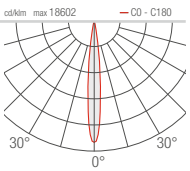
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,47	1,63	1260
4,00	0,95	3,26	315
6,00	1,42	4,89	140
8,00	1,90	6,51	79
10,00	2,37	8,14	50



STRA 3.0
4.0

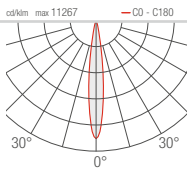
V - 11° CRI 80 (Stra 3.0)

H (m)	Ø (m)	Lux max (3000K)
2,00	0,41	7497
4,00	0,81	1874
6,00	1,22	833
8,00	1,63	469
10,00	2,03	300



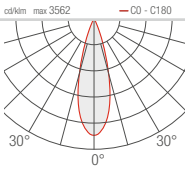
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,49	4132
4,00	0,99	1033
6,00	1,46	459
8,00	1,94	258
10,00	2,43	165



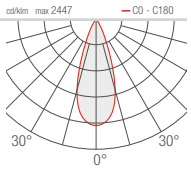
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,06	1242
4,00	2,11	311
6,00	3,24	138
8,00	4,31	78
10,00	5,39	50



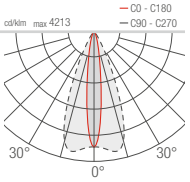
L - 37° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,34	796
4,00	2,69	199
6,00	4,03	88
8,00	5,37	50
10,00	6,72	32



W - 10°x45° CRI 80

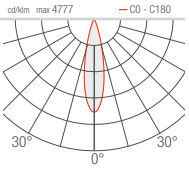
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,47	1,63	1303
4,00	0,95	3,26	326
6,00	1,42	4,89	145
8,00	1,90	6,51	81
10,00	2,37	8,14	52



STRA 5.0

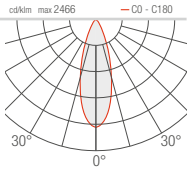
S - 24°

H (m)	Ø (m)	Lux max (4000K)
2,00	0,84	1456
4,00	1,68	364
6,00	2,52	162
8,00	3,36	91
10,00	4,20	58



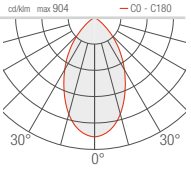
M - 33°

H (m)	Ø (m)	Lux max (4000K)
2,00	1,18	750
4,00	2,36	187
6,00	3,54	83
8,00	4,72	47
10,00	5,90	30



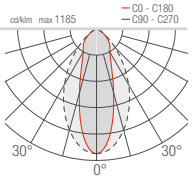
L - 60°

H (m)	Ø (m)	Lux max (4000K)
2,00	2,31	265
4,00	4,63	66
6,00	6,94	29
8,00	9,26	17
10,00	11,57	11



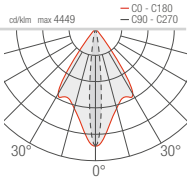
W - 32°x61°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
2,00	1,13	2,36	336
4,00	2,26	4,73	84
6,00	3,39	7,09	37
8,00	4,52	9,46	21
10,00	5,65	11,82	13



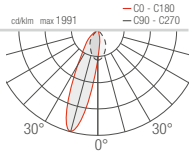
X - 66°x11° adjustable

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
2,00	2,59	0,40	1471
4,00	5,19	0,80	368
6,00	7,78	1,19	163
8,00	10,38	1,59	92
10,00	12,97	1,99	59



H - Wall washer

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
2,00	2,06	2,00	384
4,00	4,12	4,00	96
6,00	6,18	6,00	43
8,00	8,24	8,00	24
10,00	10,30	10,01	15



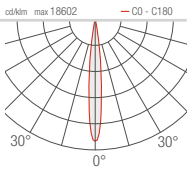
STRA P

OUTDOOR PROJECTORS

STRA P 1.0

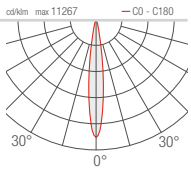
V - 11° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,41	10890
4,00	0,81	2723
6,00	1,22	1210
8,00	1,63	681
10,00	2,03	436



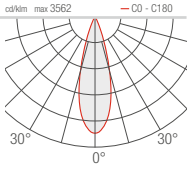
S - 14° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	0,49	5993
4,00	0,99	1498
6,00	1,46	666
8,00	1,94	375
10,00	2,43	240



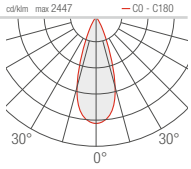
M - 30° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,06	1803
4,00	2,11	451
6,00	3,24	200
8,00	4,31	113
10,00	5,39	72



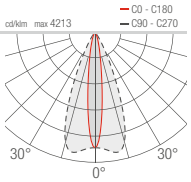
L - 37° CRI 80

H (m)	Ø (m)	Lux max (3000K)
2,00	1,34	1155
4,00	2,69	289
6,00	4,03	128
8,00	5,37	72
10,00	6,72	46



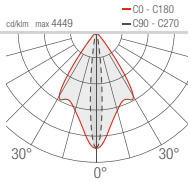
W - 10°x45° CRI 80

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	0,47	1,63	1890
4,00	0,95	3,26	473
6,00	1,42	4,89	210
8,00	1,90	6,51	118
10,00	2,37	8,14	76



X - 66°x11° adjustable CRI 80

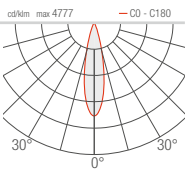
H (m)	Ø (m)	Ø (m)	Lux max (3000K)
2,00	2,59	0,40	2454
4,00	5,19	0,80	613
6,00	7,78	1,20	273
8,00	10,38	1,60	153
10,00	12,97	2,00	98



STRA P 5.0

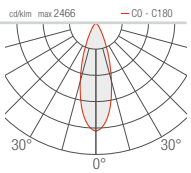
S - 24°

H (m)	Ø (m)	Lux max (4000K)
2,00	0,84	1456
4,00	1,68	364
6,00	2,52	162
8,00	3,36	91
10,00	4,20	58



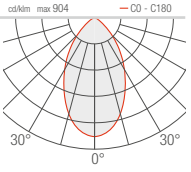
M - 33°

H (m)	Ø (m)	Lux max (4000K)
2,00	1,18	750
4,00	2,36	187
6,00	3,54	83
8,00	4,72	47
10,00	5,90	30



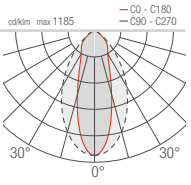
L - 60°

H (m)	Ø (m)	Lux max (4000K)
2,00	2,31	265
4,00	4,63	66
6,00	6,94	29
8,00	9,26	17
10,00	11,57	11



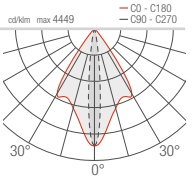
W - 32°x61°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
2,00	1,13	2,36	336
4,00	2,26	4,73	84
6,00	3,39	7,09	37
8,00	4,52	9,46	21
10,00	5,65	11,82	13



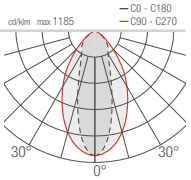
X - 66°x11° adjustable

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
2,00	2,59	0,40	1471
4,00	5,19	0,80	368
6,00	7,78	1,19	163
8,00	10,38	1,59	92
10,00	12,97	1,99	59



Z - 61°x32°

H (m)	Ø (m)	Ø (m)	Lux max (4000K)
2,00	2,36	1,13	336
4,00	4,73	2,26	84
6,00	7,09	3,39	37
8,00	9,46	4,52	21
10,00	11,82	5,65	13



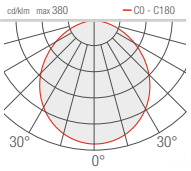
TAK

OUTDOOR CEILING MOUNTED

TAK 1.0

D - Diffuse

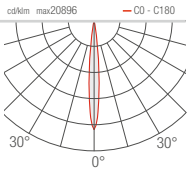
		Lux max (3000K)
H (m)	Ø (m)	
1,00	2,60	235
2,00	5,20	59
3,00	7,80	26
4,00	10,40	15
5,00	13,00	9



TAK 1.1

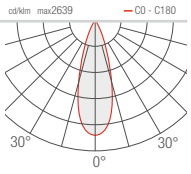
S - 10°

		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**18W**
1,00	0,18	10386	18515
2,00	0,36	2596	4829
3,00	0,54	1145	2057
4,00	0,72	649	1157
5,00	0,91	415	741



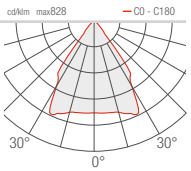
F - 30°

		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**18W**
1,00	0,58	1306	2331
2,00	1,15	327	583
3,00	1,73	145	259
4,00	2,31	82	146
5,00	2,88	52	93



K - 70°

		Lux max (3000K)	
H (m)	Ø (m)	**10W**	**18W**
1,00	1,48	338	677
2,00	2,95	85	169
3,00	4,43	38	75
4,00	5,91	21	42
5,00	7,38	14	27



TEKO

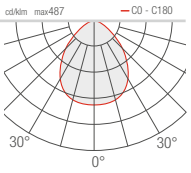
INDOOR CEILING MOUNTED

TEKO 5.0

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	5W	9W
1,00	1,95	161	288
2,00	3,89	40	72
3,00	5,84	18	32
4,00	7,78	10	18
5,00	9,73	6	12

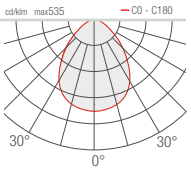


TEKO 5.1

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	5W	9W
1,00	1,95	175	366
2,00	3,89	44	92
3,00	5,84	19	41
4,00	7,78	11	23
5,00	9,73	7	15

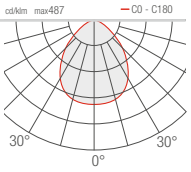


TEKO 7.0

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	9W	17W
1,00	1,95	288	543
2,00	3,89	72	136
3,00	5,84	32	60
4,00	7,78	18	34
5,00	9,73	12	22

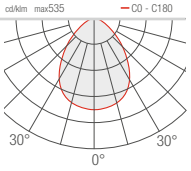


TEKO 7.1

D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	
1,00	1,95	366
2,00	3,89	92
3,00	5,84	41
4,00	7,78	23
5,00	9,73	15



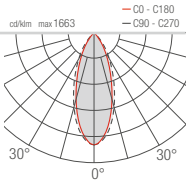
TREVI

OUTDOOR AND UNDERWATER LINEAR PROFILES

TREVI 1.0

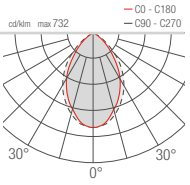
M - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,66	839
2,00	1,34	210
3,00	2,00	93
4,00	2,68	52
5,00	3,34	34



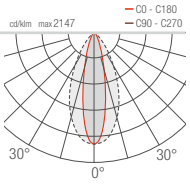
L - 65°

H (m)	Ø (m)	Lux max (3000K)
1,00	1,32	286
2,00	2,64	71
3,00	3,94	32
4,00	5,56	18
5,00	6,58	11



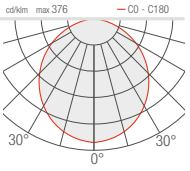
W - 20°x50°

H (m)	Ø (m)	Ø (m)	Lux max (3000K)
1,00	0,40	0,92	902
2,00	0,82	1,84	226
3,00	1,22	2,76	100
4,00	1,62	3,68	56
5,00	2,04	4,60	36



D - Diffuse

H (m)	Ø (m)	Lux max (3000K)
1,00	2,67	206
2,00	5,35	52
3,00	8,02	23
4,00	10,70	13
5,00	13,37	8



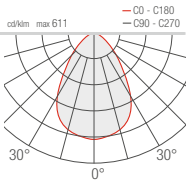
TURIS

INDOOR RECESSED

TURIS MINI 1.0

D - Diffuse

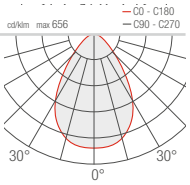
H (m)	Ø (m)	Lux max (3000K)
0,50	0,73	722
1,00	1,46	180
1,50	2,19	80
2,00	2,92	45
2,50	3,65	29
3,00	4,38	20



TURIS MINI 1.1

D - Diffuse

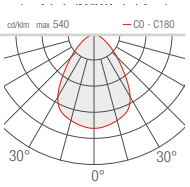
H (m)	Ø (m)	Lux max (3000K)
0,50	0,72	813
1,00	1,45	203
1,50	2,17	90
2,00	2,89	51
2,50	3,62	33
3,00	4,34	23



TURIS 1.0
2.0

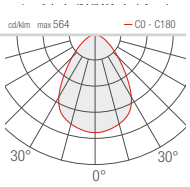
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **5,5W**
0,50	0,81	638
1,00	1,61	159
1,50	2,42	71
2,00	3,23	40
2,50	4,04	26
3,00	4,84	18



D - Diffuse

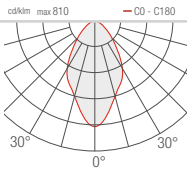
H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,78	2265
1,00	1,57	566
1,50	2,35	252
2,00	3,14	142
2,50	3,92	91
3,00	4,71	63



TURIS 1.1

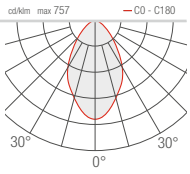
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **5,5W**
0,50	0,60	1005
1,00	1,21	251
1,50	1,81	112
2,00	2,41	63
2,50	3,02	40
3,00	3,62	28



D - Diffuse

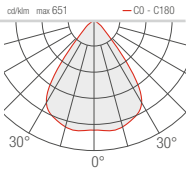
H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,63	2859
1,00	1,26	715
1,50	1,89	318
2,00	2,52	179
2,50	3,15	114
3,00	3,78	79



TURIS 1.2

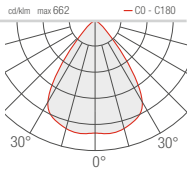
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **5,5W**
0,50	0,77	765
1,00	1,54	191
1,50	2,31	85
2,00	3,08	48
2,50	3,85	31
3,00	4,62	21



D - Diffuse

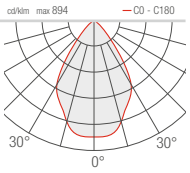
H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,76	1636
1,00	1,52	409
1,50	2,27	182
2,00	3,03	102
2,50	3,79	65
3,00	4,55	45



TURIS 1.3

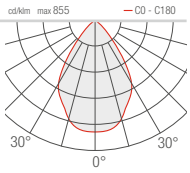
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **5,5W**
0,50	0,67	1080
1,00	1,34	270
1,50	2,01	120
2,00	2,68	67
2,50	3,35	43
3,00	4,02	30



D - Diffuse

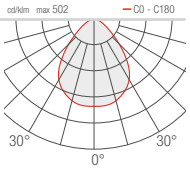
H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,69	2152
1,00	1,37	538
1,50	2,06	239
2,00	2,74	134
2,50	3,43	86
3,00	4,12	60



TURIS 3.0
4.0

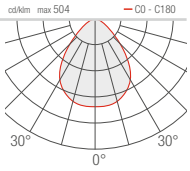
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,90	1958
1,00	1,80	489
1,50	2,70	218
2,00	3,61	122
2,50	4,51	78
3,00	5,41	54



D - Diffuse

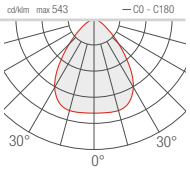
H (m)	Ø (m)	Lux max (3000K) **15W**
0,50	0,90	2949
1,00	1,79	737
1,50	2,69	328
2,00	3,58	184
2,50	4,48	118
3,00	5,37	82



TURIS 3.1

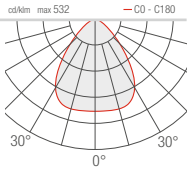
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,86	2057
1,00	1,73	514
1,50	2,59	229
2,00	3,46	129
2,50	4,32	82
3,00	5,19	57



D - Diffuse

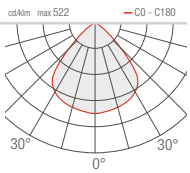
H (m)	Ø (m)	Lux max (3000K) **15W**
0,50	0,90	3024
1,00	1,79	756
1,50	2,69	336
2,00	3,58	189
2,50	4,48	121
3,00	5,26	84



TURIS 3.2

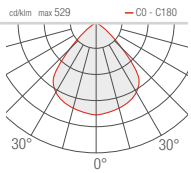
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,95	1576
1,00	1,91	394
1,50	2,86	175
2,00	3,81	99
2,50	4,76	63
3,00	5,72	44



D - Diffuse

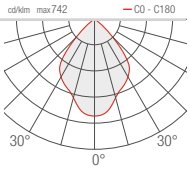
H (m)	Ø (m)	Lux max (3000K) **15W**
0,50	0,95	2367
1,00	1,90	592
1,50	2,84	263
2,00	3,79	148
2,50	4,74	95
3,00	5,69	66



TURIS 3.3

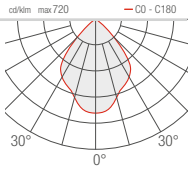
D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **11W**
0,50	0,84	2329
1,00	1,67	582
1,50	2,51	259
2,00	3,34	146
2,50	4,18	93
3,00	5,01	65



D - Diffuse

H (m)	Ø (m)	Lux max (3000K) **15W**
0,50	0,85	3340
1,00	1,69	835
1,50	2,54	371
2,00	3,39	209
2,50	4,23	134
3,00	5,08	93

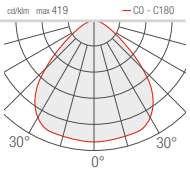


TURIS 5.0
5.1
6.0

D - Diffuse

Lux max (3000K)

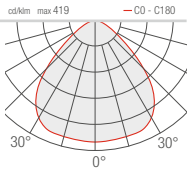
H (m)	Ø (m)	**15W**
0,50	1,07	2201
1,00	2,14	550
1,50	3,22	245
2,00	4,29	138
2,50	5,36	88
3,00	6,43	61



D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	**22W**
0,50	1,07	2938
1,00	2,14	734
1,50	3,22	326
2,00	4,29	184
2,50	5,36	118
3,00	6,43	82

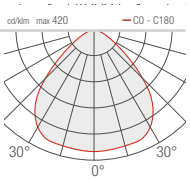


TURIS 7.0
7.1
8.0

D - Diffuse

Lux max (3000K)

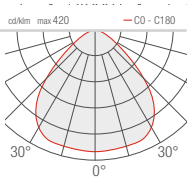
H (m)	Ø (m)	**22W**
0,50	1,07	2717
1,00	2,14	679
1,50	3,22	302
2,00	4,29	170
2,50	5,36	109
3,00	6,43	75



D - Diffuse

Lux max (3000K)

H (m)	Ø (m)	**30W**
0,50	1,07	4079
1,00	2,14	1020
1,50	3,22	453
2,00	4,29	255
2,50	5,36	163
3,00	6,43	113



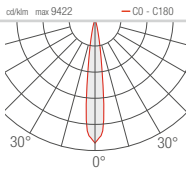
UPDOWN

OUTDOOR WALL MOUNTED

UPDOWN 3.0 3.6

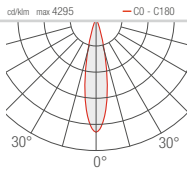
S - 15°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,26	2363
2,00	0,53	591
3,00	0,79	263
4,00	1,05	148
5,00	1,32	95



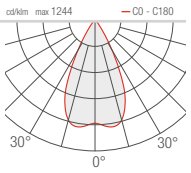
M - 22°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,41	1027
2,00	0,82	257
3,00	1,22	114
4,00	1,63	64
5,00	2,04	41



L - 54°

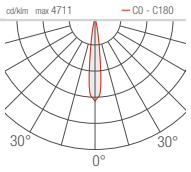
H (m)	Ø (m)	Lux max (3000K)
1,00	1,01	325
2,00	2,03	81
3,00	3,04	36
4,00	4,06	20
5,00	5,07	13



UPDOWN 4.0 4.6

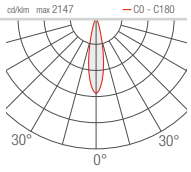
S - 15°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,26	1803
2,00	0,53	451
3,00	0,79	200
4,00	1,05	113
5,00	1,32	72



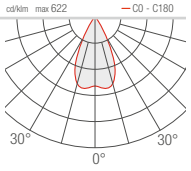
M - 22°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,41	783
2,00	0,82	196
3,00	1,22	87
4,00	1,63	49
5,00	2,04	31



L - 54°

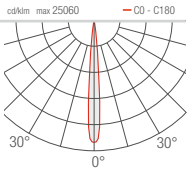
H (m)	Ø (m)	Lux max (3000K)
1,00	1,01	249
2,00	2,03	62
3,00	3,04	28
4,00	4,06	16
5,00	5,07	10



UPDOWN 6.0 7.0

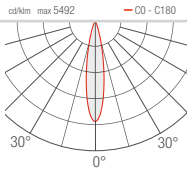
S - 10°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,17	2400
2,00	0,34	600
3,00	0,52	267
4,00	0,69	150
5,00	0,86	96



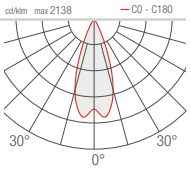
M - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,35	600
2,00	0,70	150
3,00	1,06	67
4,00	1,41	38
5,00	1,76	24



L - 40°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,77	204
2,00	1,53	51
3,00	2,30	23
4,00	3,06	13
5,00	3,83	8



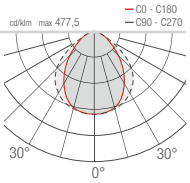
VERSA

INDOOR WALL MOUNTED

VERSA 1.0

D - Diffuse

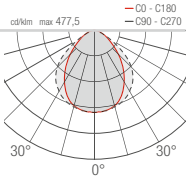
H (m)	Ø (m)	Lux max (3000K)
1,00	1,73	251
2,00	3,47	63
3,00	5,20	28
4,00	6,93	16
5,00	8,66	10



VERSA 2.0

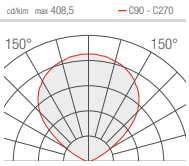
D - Diffuse, down beam

H (m)	Ø (m)	Lux max (3000K)
1,00	1,73	251
2,00	3,47	63
3,00	5,20	28
4,00	6,93	16
5,00	8,66	10



D - Diffuse, up beam

H (m)	Ø (m)	Lux max (3000K)
1,00	2,43	260
2,00	4,86	65
3,00	7,29	29
4,00	9,72	16
5,00	12,14	10



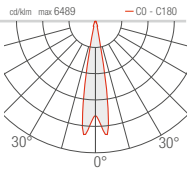
WALL

READING LAMPS

WALL 1
3

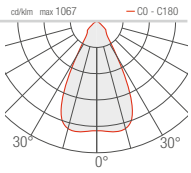
20° (20°–55°)

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
0,50	0,17	721	927
1,00	0,35	180	232
1,50	0,52	80	103
2,00	0,69	45	58
2,50	0,87	29	37
3,00	1,04	20	26



55° (20°–55°)

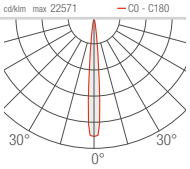
H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
0,50	0,53	196	254
1,00	1,05	49	63
1,50	1,58	22	28
2,00	2,11	12	16
2,50	2,64	8	10
3,00	3,16	5	7



WALL 8.0

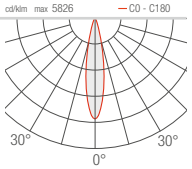
S - 10°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,09	9599
1,00	0,17	2400
1,50	0,26	1067
2,00	0,34	600
2,50	0,43	384
3,00	0,52	267



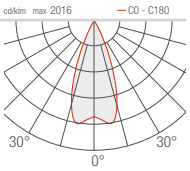
M - 25°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,18	2400
1,00	0,35	600
1,50	0,53	267
2,00	0,70	150
2,50	0,88	96
3,00	1,06	67



L - 40°

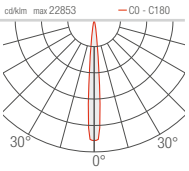
H (m)	Ø (m)	Lux max (3000K)
0,50	0,38	818
1,00	0,77	204
1,50	1,15	91
2,00	1,53	51
2,50	1,91	33
3,00	2,30	23



WALL 8.1
8.2

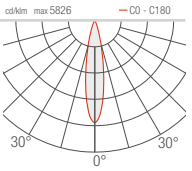
S - 10°

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
0,50	0,09	7404	9598
1,00	0,17	1851	2400
1,50	0,26	823	1066
2,00	0,34	463	600
2,50	0,43	296	384
3,00	0,52	206	267



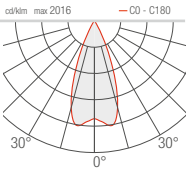
M - 25°

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
0,50	0,18	1818	2400
1,00	0,35	454	600
1,50	0,53	202	267
2,00	0,70	114	150
2,50	0,88	73	96
3,00	1,06	50	67



L - 40°

H (m)	Ø (m)	Lux max (3000K) 2,5W	3,5W
0,50	0,38	631	818
1,00	0,77	158	204
1,50	1,15	70	91
2,00	1,53	39	51
2,50	1,91	25	33
3,00	2,30	18	23



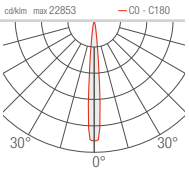
WALL

INDOOR PROJECTORS

WALL 7.0
7.1

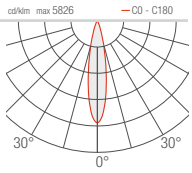
S - 10°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,09	7404
1,00	0,17	1851
1,50	0,26	823
2,00	0,34	463
2,50	0,43	296
3,00	0,52	206



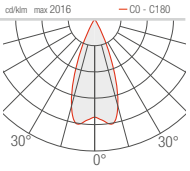
M - 25°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,18	1818
1,00	0,35	454
1,50	0,53	202
2,00	0,70	114
2,50	0,88	73
3,00	1,06	50



L - 40°

H (m)	Ø (m)	Lux max (3000K)
0,50	0,38	631
1,00	0,77	158
1,50	1,15	70
2,00	1,53	39
2,50	1,91	25
3,00	2,30	18



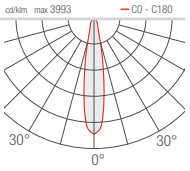
ZAB TRACK

INDOOR PROJECTORS

ZAB TRACK 1.0

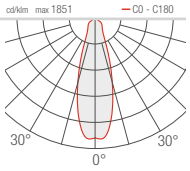
S - 20°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,34	5220
2,00	0,68	1305
3,00	1,03	580
4,00	1,37	326
5,00	1,71	209



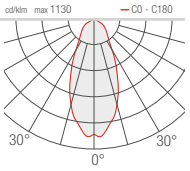
M - 32°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,58	2522
2,00	1,16	631
3,00	1,73	280
4,00	2,31	158
5,00	2,89	101



L - 46°

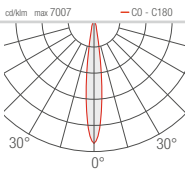
H (m)	Ø (m)	Lux max (3000K)
1,00	0,85	1531
2,00	1,70	383
3,00	2,55	170
4,00	3,40	96
5,00	4,25	61



ZAB TRACK 1.1

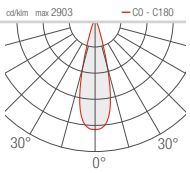
S - 14°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,25	11657
2,00	0,50	2914
3,00	0,75	1295
4,00	1,00	729
5,00	1,26	466



M - 29°

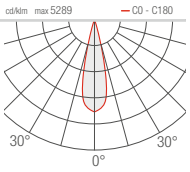
H (m)	Ø (m)	Lux max (3000K)
1,00	0,52	5083
2,00	1,04	1271
3,00	1,55	565
4,00	2,07	318
5,00	2,59	203



ZAB TRACK 2.0

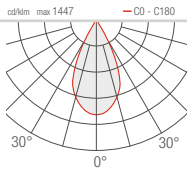
R1 - 26° (26°–51°)

H (m)	Ø (m)	Lux max (3000K)
1,00	0,46	3907
2,00	0,92	977
3,00	1,38	434
4,00	1,84	244
5,00	2,30	156



R1 - 51° (26°–51°)

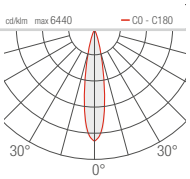
H (m)	Ø (m)	Lux max (3000K)
1,00	0,96	1885
2,00	1,91	471
3,00	2,87	209
4,00	3,83	118
5,00	4,78	75



ZAB TRACK 2.1

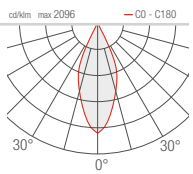
R1 - 20° (20°–42°)

H (m)	Ø (m)	Lux max (3000K)
1,00	0,35	9922
2,00	0,69	2481
3,00	1,04	1102
4,00	1,38	620
5,00	1,73	397



R1 - 42° (20°–42°)

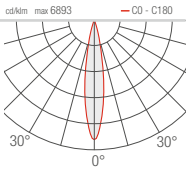
H (m)	Ø (m)	Lux max (3000K)
1,00	0,77	3839
2,00	1,53	960
3,00	2,30	427
4,00	3,07	240
5,00	3,83	154



ZAB TRACK 3.0

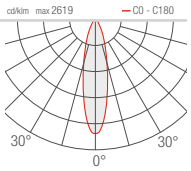
S - 18°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,31	12290
2,00	0,62	3072
3,00	0,94	1366
4,00	1,25	768
5,00	1,56	492



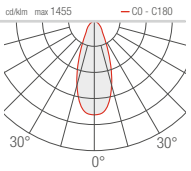
M - 25°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,44	4676
2,00	0,88	1169
3,00	1,33	520
4,00	1,77	292
5,00	2,21	187



L - 42°

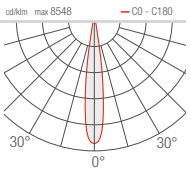
H (m)	Ø (m)	Lux max (3000K)
1,00	0,75	2551
2,00	1,51	638
3,00	2,26	283
4,00	3,02	159
5,00	3,77	102



ZAB TRACK 3.1

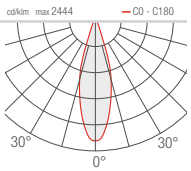
S - 16°

H (m)	Ø (m)	Lux max (3000K)
1,00	0,28	16237
2,00	0,56	4067
3,00	0,84	1807
4,00	1,11	1017
5,00	1,39	651



M - 32°

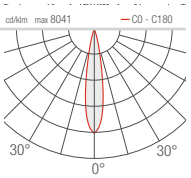
H (m)	Ø (m)	Lux max (3000K)
1,00	0,56	4597
2,00	1,12	1149
3,00	1,68	511
4,00	2,24	287
5,00	2,80	184



ZAB TRACK 4.0

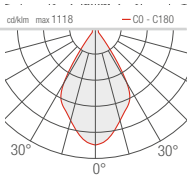
R1 - 19° (19°–62°)

H (m)	Ø (m)	Lux max (3000K)
1,00	0,33	8135
2,00	0,67	2034
3,00	1,00	904
4,00	1,33	508
5,00	1,67	325



R1 - 62° (19°–62°)

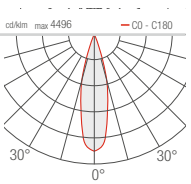
H (m)	Ø (m)	Lux max (3000K)
1,00	1,19	1938
2,00	2,38	484
3,00	3,58	215
4,00	4,77	121
5,00	5,96	78



ZAB TRACK 4.1

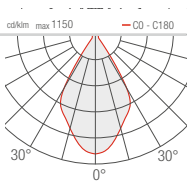
R1 - 26° (26°–61°)

H (m)	Ø (m)	Lux max (3000K)
1,00	0,47	7250
2,00	0,94	1812
3,00	1,41	806
4,00	1,88	453
5,00	2,35	290



R1 - 61° (26°–61°)

H (m)	Ø (m)	Lux max (3000K)
1,00	1,17	2658
2,00	2,35	664
3,00	3,52	295
4,00	4,70	166
5,00	5,87	106



POWER SUPPLY UNITS AND CONTROL GEAR

POWER SUPPLY UNITS AND CONTROL GEAR

HOW TO SELECT A POWER SUPPLY UNIT

To understand which type of power supply unit to use, you need to check the electrical specifications of the lighting fixture.

Constant current (possible values: 220mA, 350mA, 500mA, 700mA, 1050mA)
The lighting fixtures are connected in series: choose an LED power supply unit with output to the secondary at constant current (see page 844)

Example: Brom 1.0

POWER / POWER SUPPLY	max 2W max 500mA
CODE	**BR10012 I**

LED power supply unit with output to the secondary at constant current 350mA or 500mA

Constant voltage (possible values: 12Vdc, 24Vdc, 48Vdc)
The lighting fixtures are connected in parallel: choose a power supply unit for LED switching with output to the secondary circuit at constant voltage (see page 846)

Example: Neva 1.0

POWER / POWER SUPPLY	18W 24Vdc 616 mm pitch 60
CODE	**NV1000 A -**
	25W 24Vdc 616 mm pitch 60
	NV1001 A -

Power supply unit for LED switching with output to the secondary circuit at constant voltage 24Vdc

Mains voltage (possible values: 110-230Vac, 230Vac)
The lighting fixture is connected directly to the 230Vac mains power.

Example: Bitta 1.0

POWER / POWER SUPPLY	10W 230Vac	
CODE	**BT1010 A E**	White
	BT1010 A F	Grey
	BT1010 A H	Anthracite
	BT1010 A T	Cor-ten

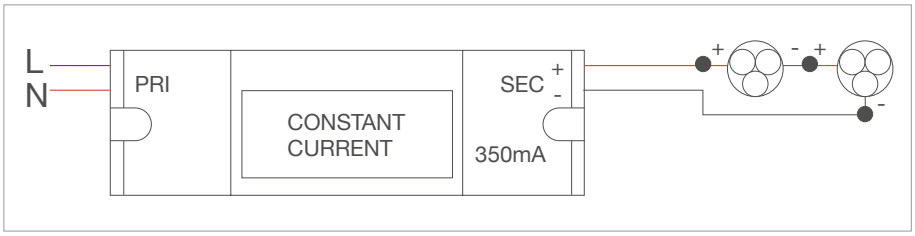
ON/OFF CONSTANT-CURRENT PSU

CONNECTING IN SERIES

Should you need to use a constant-current power supply unit (series connection), you should consider:
• the number of power LEDs present in the lighting fixture requiring power;
• the maximum current that can be used to power them (350mA, 500mA, 700mA or 1050mA).

Check the maximum operating current admissible, then count the total number of power LEDs in each fixture and add them together (example: 2 fixtures with 3 LEDs each, total 6 LEDs). Based on this information, and taking into consideration any special operating needs (dimming), you will now be able to select a suitable power supply unit from the ones given in the tables of 350/500/700/1050mA power supply units for LEDs, being careful to check that the maximum number of LEDs it can manage matches your requirements.
Be sure to always check that the power supply unit's electrical output specifications correspond to the fixture's minimum requirements, to ensure a correct operation.

WARNING:
Do not connect switches to the secondary circuit.
The system must be powered only after all the lighting fixtures have been connected.



Wiring diagram of a series connection

UNIVERSAL POWER SUPPLY UNITS THAT CAN BE SET FOR LEDS

The electronic multi-current/multi-voltage power supply unit has DIP switches, a component inside the power supply that is used to set the output voltage/current. This type of power supply unit is recommended for installations where you need to be able to adjust the system's lighting level, so that it can be adapted to the different light conditions.
It is very versatile and can also be utilised as a generic PSU: this makes it ideal for different applications.

CODE	LEDs	INput	OUTput	Dimensions		IP
A19220TC	1–11	90–264Vac 50–60Hz	60–360mA	19x34x115 mm 65 g	Ø40 mm	IP20
ACUNI032T1	1–12	198–264Vac 50–60Hz	350–700mA 12-24-48Vdc	34x46x166 mm 185 g	Ø56 mm	IP20
ACUNI020T1	1–15 350mA 1–10 500mA 1–7 700mA	220–240Vac 50–60Hz	350mA 500mA 700mA	110x52x22 mm 185 g	Ø55 mm	IP20
ACUNIC30T1		220–240Vac 50–60Hz	350mA 500mA 700mA	180x30x21 mm 110 g	Ø38 mm	IP20
ACUNI039T1		220–240Vac 50–60Hz	350mA 500mA 750mA 1050mA 42Vdc max	90x67x21 mm	Ø72 mm	IP20
ACUNI042T1	1—12	220—240Vac 50—60Hz	300—1050mA	30x43x147 mm 122g	Ø54 mm	IP20

POWER SUPPLY FOR 350mA LEDS - ON/OFF

CODE	LEDs	INput	OUTput	Dimensions		IP
ACUNI020T1	1–15	220–240Vac 50–60Hz	350mA 57Vdc max	110x52x22 mm 185 g	Ø55 mm	IP20
A13350VL12/24	1–3	9–24Vdc 9–18Vac 50–60Hz	350mA 12Vdc max	40x42x21 mm	Ø58 mm	IP20
A13350VL	1–3	115–230Vac 50–60Hz	350mA 12Vdc max	21x35x60 mm	Ø41 mm	IP20
A19350QL	3–9	115–230Vac 50–60Hz	350mA 36Vdc max	116x33x19 mm	Ø39 mm	IP20
A312350QL	5–12	115–230Vac 50–60Hz	350mA 48Vdc max	111x38x28 mm	Ø48 mm	IP20
ACUNIC30T1		220–240Vac 50–60Hz	350mA	180x30x21 mm 110 g	Ø38 mm	IP20
ACUNI039T1	1–10	220–240Vac 50–60Hz	350mA 42Vdc max	90x67x21 mm	Ø72 mm	IP20
A16350IP67	2–6	115–230Vac 50–60Hz	350mA 24Vdc max	Ø40x118 mm	Ø46 mm	IP67
A312350IP67	5–12	115–230Vac 50–60Hz	350mA 48Vdc max	Ø45x118 mm	Ø46 mm	IP67

POWER SUPPLY FOR 500mA LEDS - ON/OFF

CODE	LEDs	INput	OUTput	Dimensions		IP
ACUNI020T1	1–10	220–240Vac 50–60Hz	500mA 40Vdc max	110x52x22 mm 185 g	Ø55 mm	IP20
A13500TC	1–3	115–230Vac 50–60Hz	500mA 12Vdc max	68x35x21 mm	Ø41 mm	IP20
A15500QL	2–5	100–240Vac 50–60Hz	500mA 24Vdc max	115x34x19 mm	Ø39 mm	IP20
A310500QL	5–10	115–230Vac 50–60Hz	500mA 45Vdc max	111x38x28 mm	Ø48 mm	IP20
ACUNIC30T1		220–240Vac 50–60Hz	490mA	180x30x21 mm 110 g	Ø38 mm	IP20
ACUNI039T1	1–10	220–240Vac 50–60Hz	500mA 42Vdc max	90x67x21 mm	Ø72 mm	IP20
A14500IP67	1–4	100–240Vac 50–60Hz	500mA 24Vdc max	Ø40x95 mm	Ø45 mm	IP67
A310500IP67	5–10	115–230Vac 50–60Hz	500mA 45Vdc max	Ø45x118 mm	Ø46 mm	IP67

POWER SUPPLY FOR 700mA LEDS - ON/OFF

CODE	LEDs	INput	OUTput	Dimensions		IP
ACUNI020T1	1–7	220–240Vac 50–60Hz	700mA 28Vdc max	110x52x22 mm 185 g	Ø55 mm	IP20
A13700QL	1–3	115–230Vac 50–60Hz	700mA 18Vdc max	115x34x19 mm	Ø39 mm	IP20
ACUNIC30T1		220–240Vac 50–60Hz	700mA	180x30x21 mm 110 g	Ø38 mm	IP20
ACUNI039T1	1–10	220–240Vac 50–60Hz	700mA 42Vdc max	90x67x21 mm	Ø72 mm	IP20
A13700IP67	1–3	115–230Vac 50–60Hz	700mA 18Vdc max	Ø40x118 mm	Ø41 mm	IP67
A39700IP67	3–9	115–230Vac 50–60Hz	700mA 45Vdc max	Ø45x120 mm	Ø46 mm	IP67

POWER SUPPLY FOR 1050mA LEDS - ON/OFF

CODE	INput	OUTput	Dimensions		IP
ACUNI039T1	220–240Vac 50–60Hz	1050mA 42Vdc max	90x67x21 mm	Ø72 mm	IP20

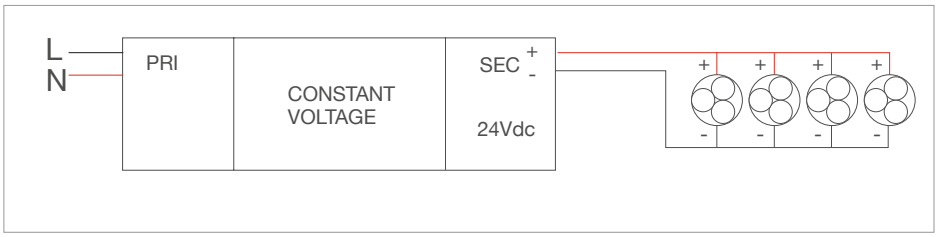
ON/OFF CONSTANT-VOLTAGE PSU

CONNECTING IN PARALLEL

Should you need to use a constant-voltage power supply unit (parallel connection), you should proceed as follows:
- check the voltage at which the fixture needs to be powered (12Vdc, 24Vdc, 48Vdc);
- consider the maximum power absorbed by each individual fixture (example: 10W);
- count the total number of devices and multiply by the maximum power (for example, if you have 5 fixtures at 10W each, you will need 5x10W = 50W);
- add a further 20% to the power needed to supply the LED lighting system (for example, if there are 5x10W fixtures, you will need 50W+20% = 60W).

Using this information, you will be able to select the power supply unit that best fits your needs from the ones given in the tables of AC/DC switched-mode power supply units.

WARNING:
The system must be powered only after all the lighting fixtures have been connected.



Wiring diagram of a parallel connection

12Vdc

CODE	INput	Power	Dimensions		IP
AV12020IP20	100–120V 50–60Hz 220–240V 50–60Hz 176–264Vdc	20W	146x55x19 mm	Ø60 mm	IP20
AV12040IP67	90–305V 47–63Hz 127–431Vdc	40W	163x43x32 mm	Ø55 mm	IP67
AV12060IP67	90–305V 50–60Hz 127–431Vdc	60W	163x43x32 mm	Ø55 mm	IP67
AV12150IP67	90–295V 47–63Hz 127–417Vdc	132W	222x68x39 mm	Ø79 mm	IP67
AV12192IP67	90–264V 50–60Hz 127–431Vdc	192W	244x68x39 mm	Ø79 mm	IP67

24Vdc

CODE	INput	Power	Dimensions		IP
AV24010IP20	100–240V 50–60Hz 90–264Vdc	10W	117x32x22 mm	Ø40 mm	IP20
AV24060IP20	220–240V 50–60Hz 176–276Vdc	60W	125x82x29 mm	Ø87 mm	IP20
AV24100IP20	220–240V 50–60Hz 176–276Vdc	100W	106x90x58 mm	DIN GUIDE	IP20
AV24150IP20	220–240V 50–60Hz 176–276Vdc	150W	280x40x29 mm	Ø49 mm	IP20
AV24008IP54	100–240V 50–60Hz 176–264Vdc	8W	46x44x27 mm	Ø52 mm	IP54
AV24020IP67	90–264V 47–63Hz 127–370Vdc	20W	118x35x26 mm	Ø45 mm	IP67
AV24040IP67	90–305V 47–63Hz 127–431Vdc	40W	163x43x32 mm	Ø55 mm	IP67
AV24060IP67	90–305V 47–63Hz 127–431Vdc	60W	163x43x32 mm	Ø55 mm	IP67
AV24150IP67	90–295V 47–63Hz 127–417Vdc	150W	222x68x39 mm	Ø79 mm	IP67
AV24240IP67	90–305V 47–63Hz 127–431Vdc	240W	245x68x39 mm	Ø79 mm	IP67
AV24320IP67	90–305V 47–63Hz 127–431Vdc	320W	252x90x44 mm	Ø101 mm	IP67

36Vdc

CODE	INput	Power	Dimensions		IP
AV36060IP67	90–305V 50–60Hz	60W	150x53x35 mm	Ø65 mm	IP67

48Vdc

CODE	INput	Power	Dimensions		IP
AV48150IP20	220–240V 50–60Hz	150W	240x60x49 mm	Ø70 mm	IP20
AV48060IP67	90–305V 47–63Hz 127–431Vdc	60W	163x43x32 mm	Ø55 mm	IP67
AV48150IP67	90–295V 47–63Hz 127–417Vdc	150W	222x68x39 mm	Ø79 mm	IP67
AV48240IP67	90–305V 47–63Hz 127–431Vdc	240W	245x68x39 mm	Ø79 mm	IP67

DIMMABLE POWER SUPPLY UNITS

DIMMING WITH NO BUTTON (PUSH)

Dimmable multi-voltage/multi-current power supply units have dip switches to select the output voltage/current. These power supply units allow you to dim the light intensity from 0 to 100% using a PUSH button (a short press turns the system on or off; a long press increases or decreases the light intensity), 1—10V interface, 100Kohm potentiometer, DALI or mains dimming (IGBT-TRIAC).

Using the PUSH command, you can synchronize up to a maximum of 10 power supply units with a sync cable (1 master + 9 slaves).
The maximum distance between button/buttons and master power supply unit is 15 m.

Lighting groups or scenarios can be stored on a DALI network.

WARNING:
Only use Normally Open (NO) buttons without built-in indicator light.

ADUNITC

Dimming via PUSH button or 1—10V interface.

AD050PUSHT1

Dimming via PUSH button or 1—10V interface.

AD050DALIT1

Dimming via PUSH button, 1—10V interface, 100Kohm potentiometer or DALI.

AD032TLT1

Dimming via PUSH button or mains dimming (IGBT-TRIAC).

AD030DALIT1

Dimming with PUSH button or DALI interface.

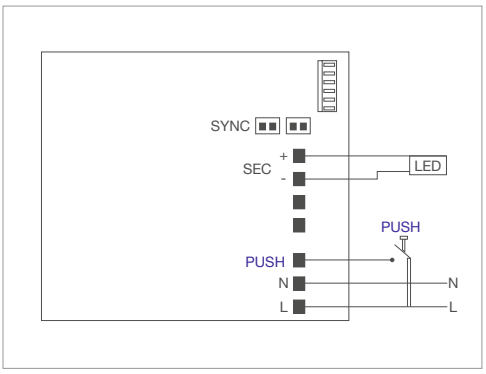
AD030DALIT1AM

Dimming with PUSH button or DALI interface.

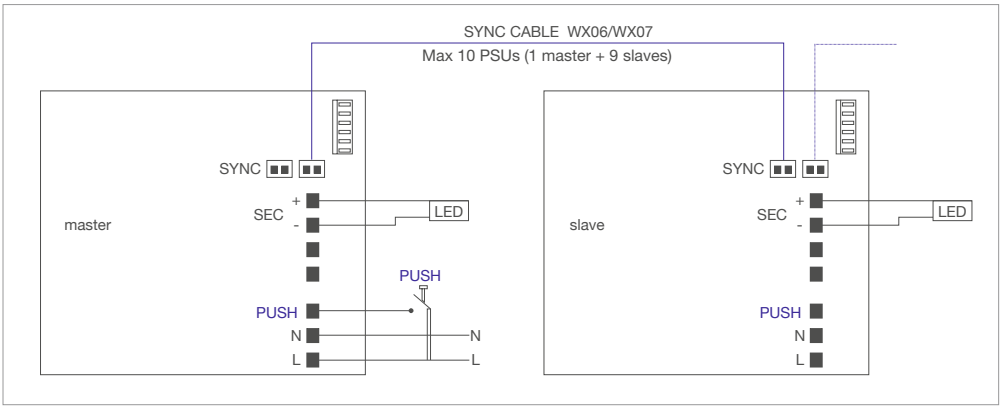
CODE	LEDs	INput	OUTput	Dimensions		IP	Sync
ADUNITC	1–12 LED 1–12 LED 1–9 LED 10W 20W	99–264Vac 50–60Hz [PUSH-1–10V]	350mA 500mA 700mA 12Vdc 24Vdc	21x67x103 mm 120 g	Ø72 mm	IP20	Yes with cable (max 9 slaves)
AD030DALIT1	1–15 LED (350mA) 1–15 LED (500mA) 1–12 LED (700mA)	220–240Vac 50–60Hz [PUSH-DALI]	250mA–700mA	217x30x21 mm 120 g	Ø37 mm	IP20	Yes
AD030DALIT1AM		220–240Vac 50–60Hz [PUSH-DALI]	250mA–700mA	220x30x21 mm 120 g	Ø38 mm	IP20	Yes
AD032TLT1	1–12 LED 1–12 LED 1–12 LED 10W 20W	220–240Vac 50–60Hz [PUSH-Mains dimming]	350mA 500mA 700mA 12Vdc 24Vdc	34x46x166 mm 185 g	Ø56 mm	IP20	Yes with cable (max 9 slaves)
AD050PUSHT1	1–20 LED 1–20 LED 1–18 LED	99–264Vac 50–60Hz [PUSH-1–10V]	350mA 500mA 700mA	22x79x124 mm 150 g	Ø84 mm	IP20	Yes with cable (max 9 slaves)
AD050DALIT1	1–20 LED 1–20 LED 1–18 LED	99–264Vac 50–60Hz [PUSH-1–10V Potentiometer 10kΩ-DALI]	350mA 500mA 700mA	22x79x124 mm 150 g	Ø84 mm	IP20	Yes with cable (max 9 slaves)

WX05	1–10V potentiometer
WX06	Synchronization cable, L=1.5 m
WX07	Synchronization cable, L=4 m

WIRING DIAGRAMS FOR DIMMING WITH NO BUTTON (PUSH)



PUSH control with ADUNITC



PUSH control with synchronization with ADUNITC

DIMMABLE POWER SUPPLY UNITS

DIMMING WITH 1—10V SIGNAL

Dimmable multi-voltage/multi-current power supply units have dip switches to select the output voltage/current. These power supply units allow you to dim the light intensity from 0 to 100% using a PUSH button (a short press turns the system on or off; a long press increases or decreases the light intensity), 1—10V interface, 100Kohm potentiometer, DALI or mains dimming (IGBT-TRIAC).

Using the PUSH command, you can synchronize up to a maximum of 10 power supply units with a sync cable (1 master + 9 slaves).
The maximum distance between button/buttons and master power supply unit is 15 m.

Lighting groups or scenarios can be stored on a DALI network.

WARNING:
Only use Normally Open (NO) buttons without built-in indicator light.

ADUNITC

Dimming via PUSH button or 1—10V interface.

AD050PUSHT1

Dimming via PUSH button or 1—10V interface.

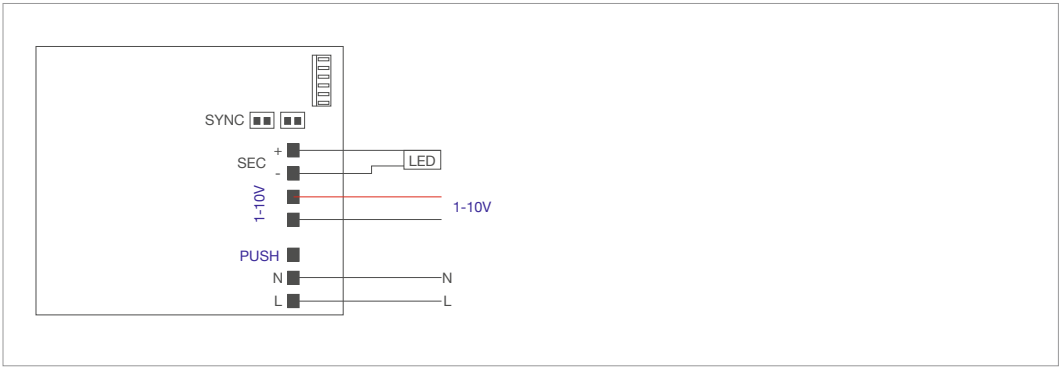
AD050DALIT1

Dimming via PUSH button, 1—10V interface, 100Kohm potentiometer or DALI.

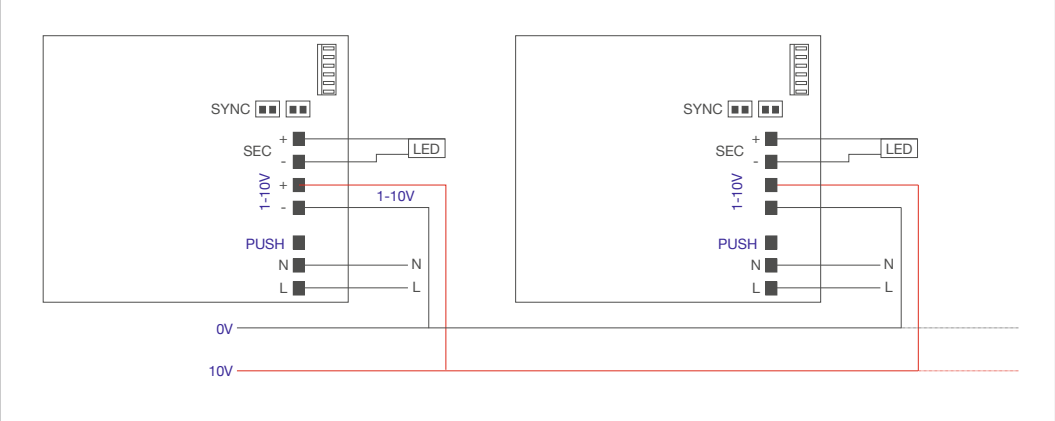
CODE	LEDs	INput	OUTput	Dimensions		IP	Sync
ADUNITC	1–12 LED 1–12 LED 1–9 LED 10W 20W	99–264Vac 50–60Hz [PUSH-1–10V]	350mA 500mA 700mA 12Vdc 24Vdc	21x67x103 mm 120 g	Ø72 mm	IP20	Yes
AD050PUSHT1	1–20 LED 1–20 LED 1–18 LED	99–264Vac 50–60Hz [PUSH-1–10V]	350mA 500mA 700mA 750mA 850mA 900mA 1050mA	22x79x124 mm 150 g	Ø84 mm	IP20	Yes
AD050DALIT1	1–20 LED 1–20 LED 1–18 LED	99–264Vac 50–60Hz [PUSH-1–10V Potentiometer 10kΩ-DALI]	350mA 500mA 700mA 750mA 850mA 900mA 1050mA	22x79x124 mm 150 g	Ø84 mm	IP20	Yes

WX05	1–10V potentiometer
WX06	Synchronization cable, L=1.5 m
WX07	Synchronization cable, L=4 m

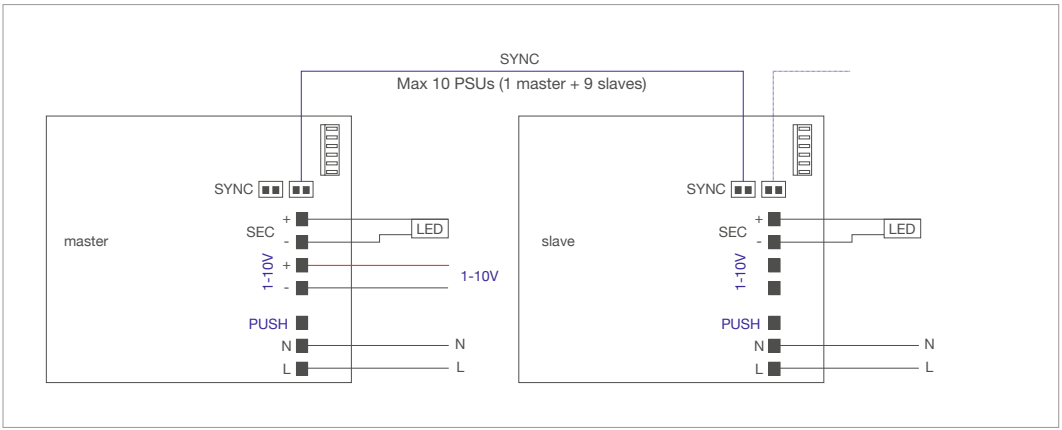
WIRING DIAGRAMS FOR DIMMING WITH 0/1—10V SIGNAL



0/1—10V control



0/1—10V control with ADUNITC



0/1—10V control with synchronization with ADUNITC

DIMMABLE POWER SUPPLY UNITS

DIMMING WITH DALI BUS

Dimmable multi-voltage/multi-current power supply units have dip switches to select the output voltage/current. These power supply units allow you to dim the light intensity from 0 to 100% using a PUSH button (a short press turns the system on or off; a long press increases or decreases the light intensity), 1—10V interface, 100Kohm potentiometer or DALI.

Using the PUSH command, you can synchronize up to a maximum of 10 power supply units with a sync cable (1 master + 9 slaves).
The maximum distance between button/buttons and master power supply unit is 15 m.

Lighting groups or scenarios can be stored on a DALI network.

WARNING:
Only use Normally Open (NO) buttons without built-in indicator light.

AD020DALIT1

Dimming with DALI interface.

AD030DALIT1

Dimming with PUSH button or DALI interface.

AD050DALIT1

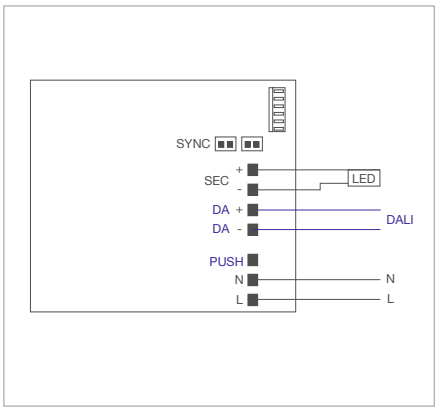
Dimming via PUSH button, 1—10V interface, 100Kohm potentiometer or DALI.

AD030DALIT1AM

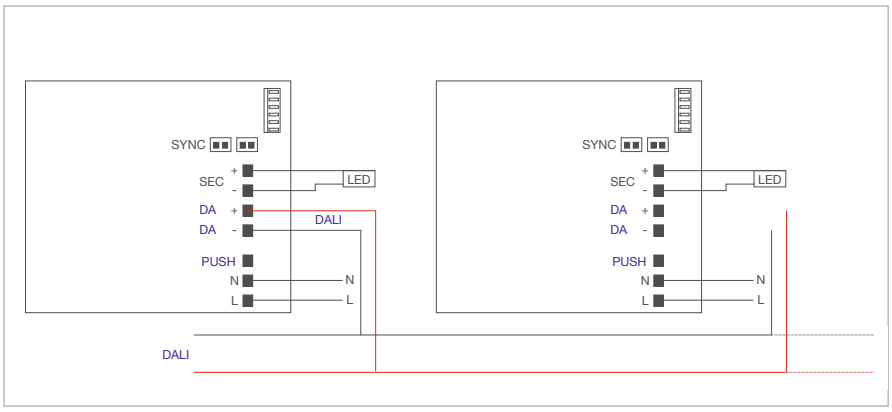
Dimming with PUSH button or DALI interface.

CODE	LEDs	INput	OUTput	Dimensions		IP	Sync
AD020DALIT1	1–12 LED 1–9 LED 1–6 LED 16W	99–264Vac 50–60Hz [DALI]	350mA 500mA 700mA 24Vdc	22x52x111 mm 108 g	Ø55 mm	IP20	No
AD050DALIT1	1–20 LED 1–20 LED 1–18 LED	99–264Vac 50–60Hz [PUSH-1–10V Potentiometer 10kΩ-DALI]	350mA 500mA 700mA 750mA 850mA 900mA 1050mA	22x79x124 mm 150 g	Ø84 mm	IP20	Yes
AD030DALIT1	1–15 LED (350mA) 1–15 LED (500mA) 1–12 LED (700mA)	220–240Vac 50–60Hz [PUSH-DALI]	250mA–700mA	217x30x21 mm 120 g	Ø37 mm	IP20	Yes
AD030DALIT1AM		220–240Vac 50–60Hz [PUSH-DALI]	250mA–700mA	220x30x21 mm 120 g	Ø38 mm	IP20	Yes

WIRING DIAGRAMS FOR DIMMING WITH DALI BUS



DALI control with AD050DALIT1



DALI control / Max 64 DALI devices with AD050DALIT1

DIMMING WITH MAINS DIMMING (IGBT-TRIAC)

Dimmable multi-voltage/multi-current power supply units have dip switches to select the output voltage/current. These power supply units allow you to dim the light intensity from 0 to 100% using a PUSH button (a short press turns the system on or off; a long press increases or decreases the light intensity), or mains dimming (IGBT-TRIAC).

Using the PUSH command, you can synchronize up to a maximum of 10 power supply units with a sync cable (1 master + 9 slaves).
The maximum distance between button/buttons and master power supply unit is 15 m.

WARNING:
Only use Normally Open (NO) buttons without built-in indicator light.

AD032TLT1

Dimming via PUSH button or mains dimming (IGBT-TRIAC).

AD018350TLT1

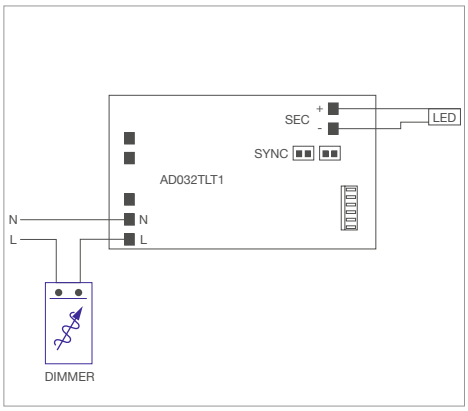
Dimming via mains dimming (IGBT-TRIAC).

AD020500TLT1

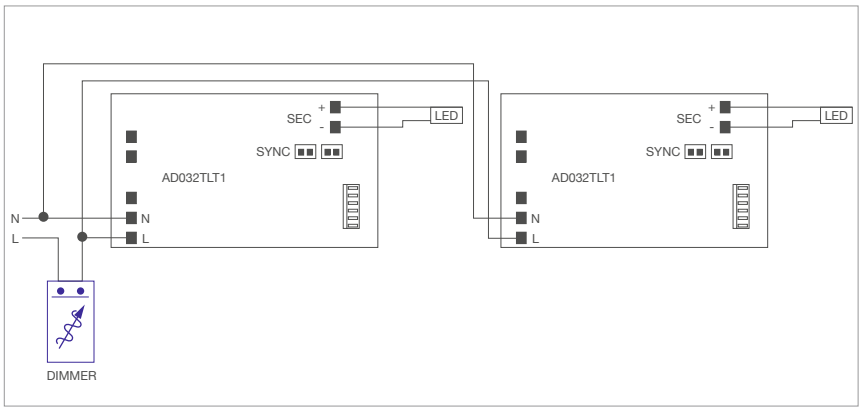
Dimming via mains dimming (IGBT-TRIAC).

CODE	LEDs	INput	OUTput	Dimensions		IP	Sync
AD018350TLT1	9–16 LED	220–240Vac 50–60Hz [Mains dimming]	350mA	22x52x111 mm 108 g	Ø56 mm	IP20	Yes
AD020500TLT1	6–12 LED	220–240Vac 50–60Hz [Mains dimming]	500mA	22x52x111 mm 108 g	Ø56 mm	IP20	Yes
AD032TLT1	1–12 LED 1–12 LED 1–12 LED 10W 20W	220–240Vac 50–60Hz [PUSH-Mains dimming]	350mA 500mA 700mA 12Vdc 24Vdc	34x46x166 mm 185 g	Ø56 mm	IP20	Yes
WX06	Synchronization cable, L=1.5 m						
WX07	Synchronization cable, L=4 m						

WIRING DIAGRAMS FOR DIMMING WITH MAINS DIMMING (IGBT-TRIAC)



Control (IGBT-TRIAC)



Control (IGBT-TRIAC)

CONTROL SYSTEMS

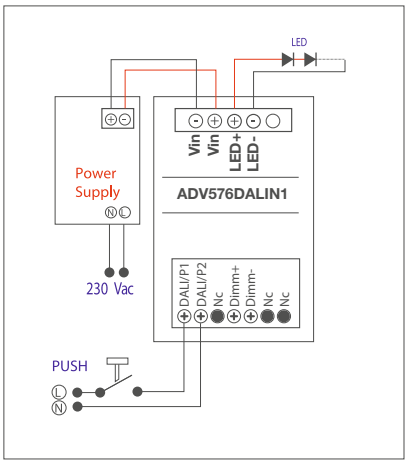
LOW-VOLTAGE DIMMERS

Low voltage dimmers are a solution for controlling constant-voltage LEDs using a Normally Open (NO) button, with a 1—10V signal, a 0—10V analogue signal, or a DALI signal.
The power supply voltage varies from 12 to 24Vdc, while the output voltage is equal to the input voltage and allows you to control a load up to a maximum current value of 12A. The intensity curve and the soft fade on and off have been designed to ensure maximum visual comfort by matching the behaviour of the human eye. The device can be synchronized with slaves (using DIP switch settings).

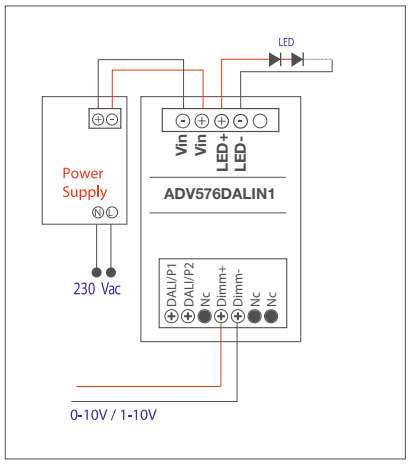
CODE	INput	OUTput	OUTput POWER min-max	Dimensions		IP
ADV576DALIN1	12Vdc 24Vdc 48Vdc	Vin=Vout (12A max)	0–144W (12Vdc) 0–288W (24Vdc) 0–576W (48Vdc)	100x40x25 mm 40 g	Ø48 mm	IP20

This system can be used with a remote control (see TLR07, TLC15, TLC16, TLC17 on page 858).

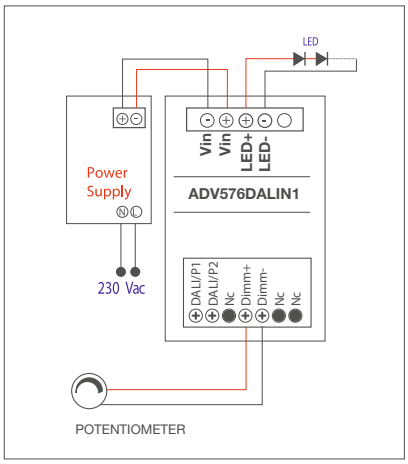
WIRING DIAGRAMS FOR LOW-VOLTAGE DIMMING



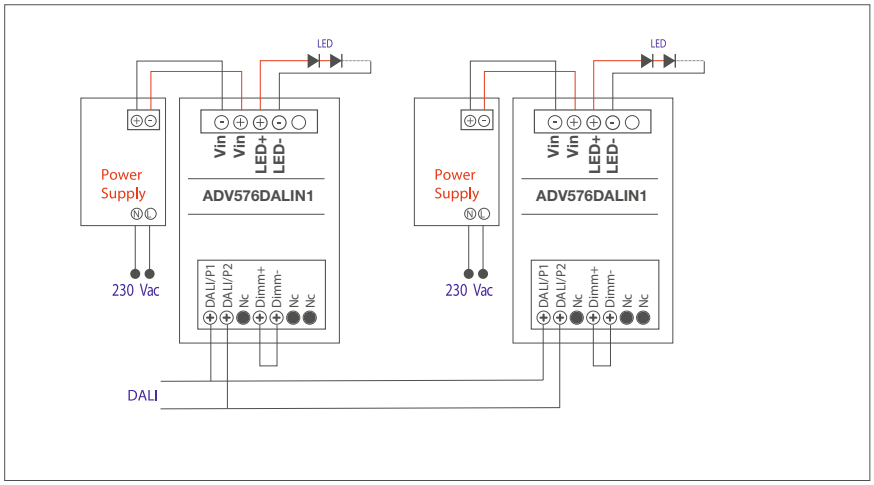
PUSH control



0—10V/1—10V control



Control with potentiometer



DALI control

EASY RGB

Easy RGB Push is an RGB (RED GREEN BLUE) sequencer with three output channels that enables you to control LED devices in current or voltage to dynamically change their colour. The device allows you to adjust the colour tone and rotation speed of the RGB cycle using a Normally Open (NO) button. The optimized adjustment curve produces a soft colour fade, ensuring maximum visual comfort.
The supply voltage is from 12Vdc to 48Vdc. The device is equipped with systems that protect it from:
- overtemperature;
- overpowering;
- underpowering;
- power supply polarity reversal;
- output short circuit.

It is also equipped with an output current limiter.

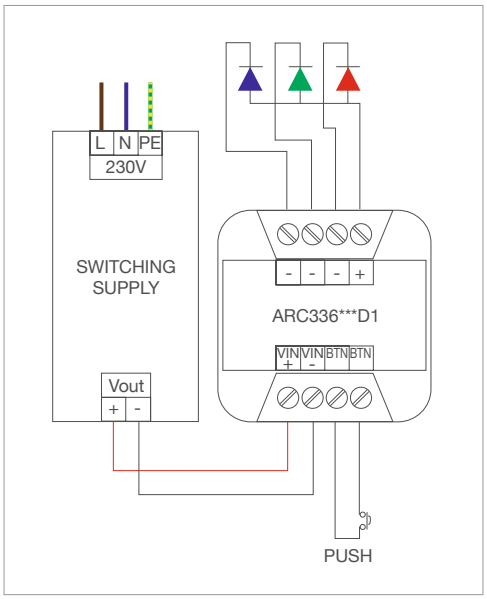
CODE	RGB groups min-max	INput	OUTput	Dimensions		IP
ARC336350D1	1– 3 RGB groups 1– 6 RGB groups 1–12 RGB groups	12Vdc 24Vdc 48Vdc	350mA/3ch	25x44x44 mm 20 g	Ø52 mm	IP20
ARC336500D1	1– 3 RGB groups 1– 6 RGB groups 1–12 RGB groups	12Vdc 24Vdc 48Vdc	500mA/3ch	25x44x44 mm 20 g	Ø52 mm	IP20
ARC336700D1	1– 3 RGB groups 1– 6 RGB groups 1–12 RGB groups	12Vdc 24Vdc 48Vdc	700mA/3ch	25x44x44 mm 20 g	Ø52 mm	IP20
ARV230PD1		12Vdc 24Vdc 48Vdc	0–90W 0–180W 0–360W	25x44x44 mm 20 g	Ø52 mm	IP20

1 RGB GROUP = 1 FULL-COLOUR LED = 1 RED LED + 1 GREEN LED + 1 BLUE LED

Button	Function
Click	On/Off
A long press (>1sec) when switched off	Change in rotation speed*
A long press (>1sec) when switched on	Start/Stop colour rotation

This system can be used with a remote control (see TLR07, TLC15, TLC16, TLC17 on page 858).

* The colour rotation speed can be adjusted to 4 levels.
The selected speed is displayed with a white flashing light:
- 10 flashes/sec for a 6-second rotation
- 5 flashes/sec for a 30-second rotation
- 2 flashes/sec for a 6-minute rotation
- 1 flash/sec for a 30-minute rotation

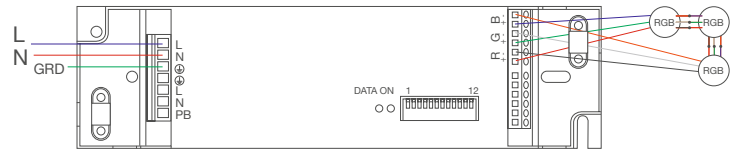


CONTROL SYSTEMS

HOME RGB

The Home RGB device is designed to power, steer and control LED lighting fixtures with RGB technology. The driver has outputs to drive current-controlled LED lighting fixtures at 350mAor 500mA.
To execute dynamic colour change sequences, the device has a “stand-alone” mode, which, with the “Easy-Run-Menu” function, allows you to choose one of the pre-set sequences stored in the device, and to reproduce it at a speed you select.
The device can be connected to a remote-control button to manually activate the selected sequence and synchronize it with other units without any control connection between the various devices.
Thanks to its DMX512-protocol-compatible interface, it is possible to control the device through an external DMX control unit or recorder.

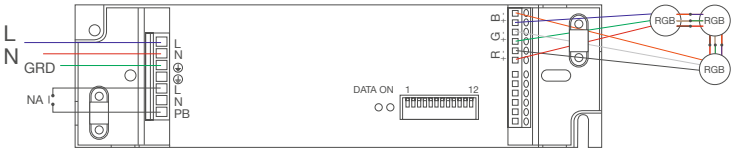
CODE	RGB groups min-max	INput	OUTput	Dimensions		IP
AR330350TC	1–10 RGB groups	230Vac 50–60Hz	350mA	36x60x225 mm 240 g	Ø72 mm	IP20
AR330500TC	1–6 RGB groups	230Vac 50–60Hz	500mA	36x60x225 mm 240 g	Ø72 mm	IP20



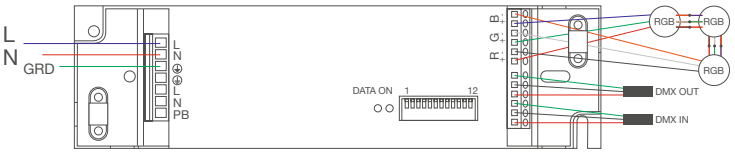
Stand-alone



Stand-alone with synchronization



With external button



With DMX512

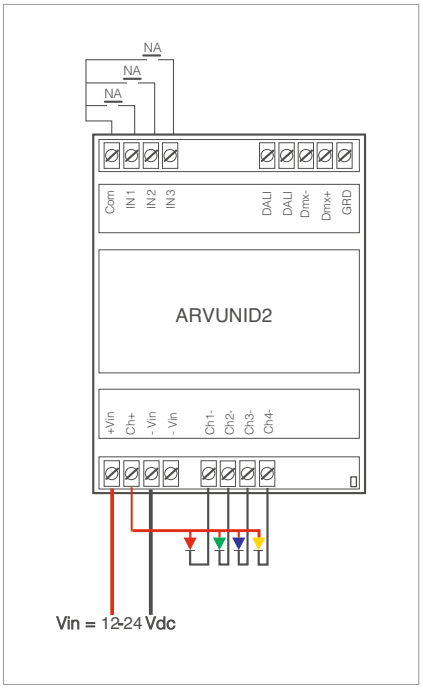
UNIVERSAL SEQUENCER

The universal sequencer is a four-channel LED controller (RGBW) that works in both constant current and constant voltage.
This device is suitable for mounting in switchboards on DIN rails.
It operates in DMX (RDM), 0—10V, 1—9V, 10Kohm potentiometer, button and “stand-alone” modes with programmed shows.
The constant-current version allows you to select the LED current through two terminal blocks and can be used to power all LED types from 350mA up to 700mA.
The supply voltage of this module ranges from 24Vdc to 48Vdc, and allows you to connect 12 LEDs in series for each channel, up to a maximum of 48 LEDs.
The constant-voltage version works at 12 or 24Vdc and can handle powered LED strips or LEDs up to a maximum of 576W (4 channels).
In both the current and the voltage version, the controller can be made to act as a:

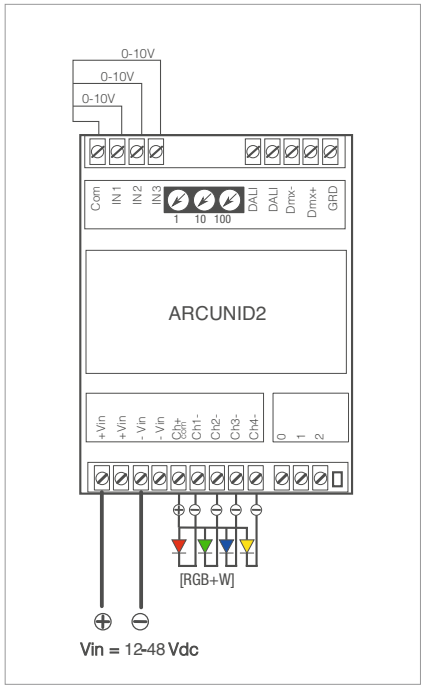
- single-channel or synchronized-channel dimmer;
- RGB/RGBW sequencer;
- dynamic white controller;
- stand-alone (multi-programming).

The device is protected from overload or fault with a non-resettable fuse.

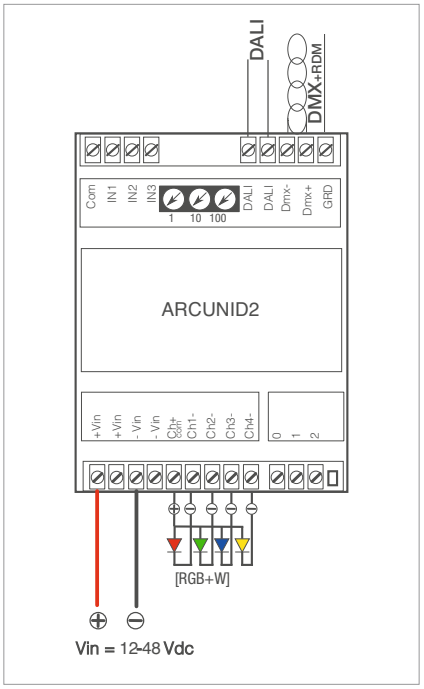
CODE	INput	Control	OUTput POWER	OUTput	RGB/RGBW groups	Dimensions	IP
ARCUNID2	12-48Vdc	PUSH (3NO) PUSH 20 show Stand-alone 0–10V / 1–9V Potentiometer 10KΩ DMX512 + RDM DALI	1–3 LED/Ch (12Vdc) 1–6 LED/Ch (24Vdc) 1–12 LED/Ch (48Vdc)	350/500/700mA	1–3 (12Vdc) 1–6 (24Vdc) 1–12 (48Vdc)	90x72x60 mm	IP20
ARVUNID2	12-24Vdc	PUSH (3NO) PUSH 20 show Stand-alone 0–10V / 1–9V Potentiometer 10KΩ DMX512 + RDM DALI	max 180W (max 5Ax3, 12Vdc) max 192W (max 4Ax4, 12Vdc) max 360W (max 5Ax3, 24Vdc) max 384W (max 4Ax4, 24Vdc)	Vin=Vout max 5A/ch (@3Ch) max 4A/ch (@4Ch)		90x72x60 mm	IP20



Button control



Control using 0—10V



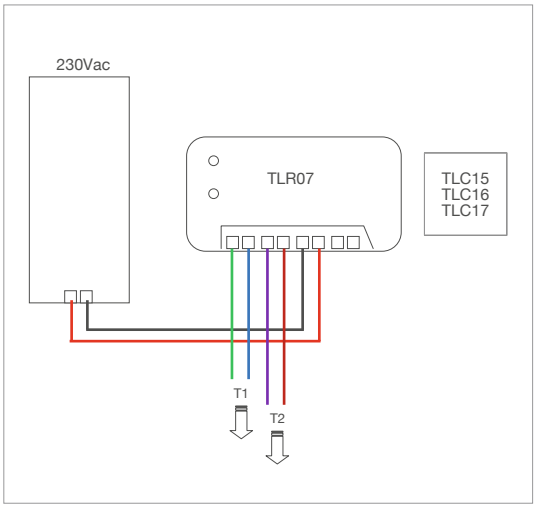
Control using DALI or DMX512 bus

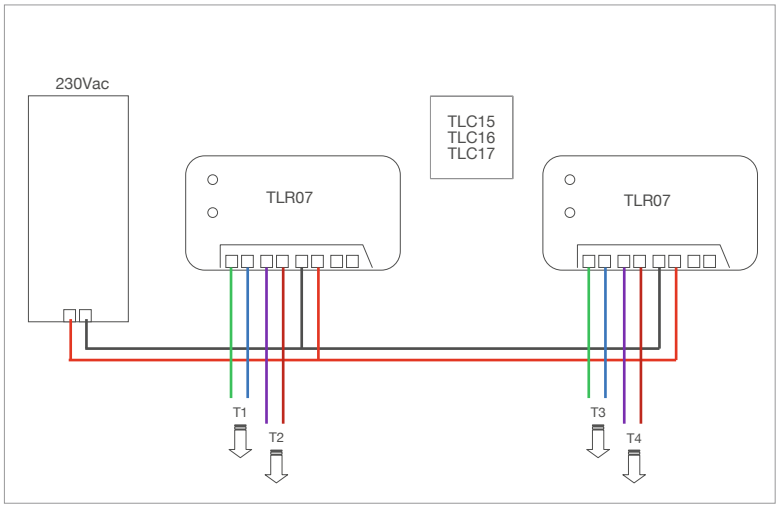
CONTROL SYSTEMS

INPUT VIA REMOTE CONTROL KIT

All the L&L light control devices that can be controlled with NO buttons can have a radio control kit assigned to them: the kit consists of a 2-channel receiver and three types of touch-button remote control for transmitting the control pulses: TLC15 (1 zone), TLC16 (2 zones), TLC17 (4 zones).

CODE	INput	Range	OUTput	Dimensions	IP
TLR02 RGB/RGBW controller with integrated 4-channel receiver	12-24Vdc		2.5 A/ch 4 ch (120W/240W)	58x43x21 mm	IP20
TLR03 Cyan colour controller with integrated 2-channel receiver	12-24Vdc		4 A/ch 2 ch (96W/192W)	58x43x21 mm	IP20
TLR07 2-channel receiver	230Vac		2 relay contacts	58x43x21 mm	IP20
TLR04M-350-500 RGB controller with integrated 3-channel receiver	12-24-36Vdc		350mA 500mA	174x46x35 mm	IP20
TLR04M-350-700 RGB controller with integrated 3-channel receiver	12-24-36Vdc		350mA 700mA	174x46x35 mm	IP20
TLR05S-350 3-channel extender, slave	12-24-36Vdc		700mA	174x46x35 mm	IP20
TLR05S-500 3-channel extender, slave	12-24-36Vdc		500mA	174x46x35 mm	IP20
TLC08 Remote control for RGB/RGBW	CR2450 battery	100m (40m indoors)	433.92 MHz	40x40x10 mm	IP20
TLC09 Remote control for RGB/RGBW	CR2450 battery	100m (40m indoors)	433.92 MHz	40x40x10 mm	IP20
TLC10 Remote control for cyan	CR2450 battery	100m (40m indoors)	433.92 MHz	40x40x10 mm	IP20
TLC15 1-channel remote control for TLR07	CR2450 battery	100m (40m indoors)	433.92 MHz	40x40x10 mm	IP20
TLC16 2-channel remote control for TLR07	CR2450 battery	100m (40m indoors)	433.92 MHz	40x40x10 mm	IP20
TLC17 4-channel remote control for TLR07	CR2450 battery	100m (40m indoors)	433.92 MHz	40x40x10 mm	IP20

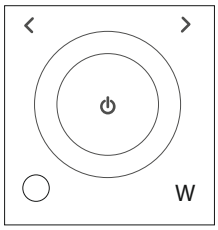




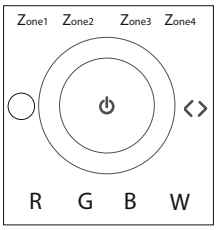
INPUT VIA TOUCH02L1 / TOUCH03L1 (DMX512 PROTOCOL)

The TOUCH02L1/TOUCH03L1 panels are touchscreen control devices that can generate a DMX512 bus signal on 1 area or 4 distinct areas to control RGB/RGBW lighting fixtures when combined with a controller connected to the DMX512 bus (e.g. ARCUNID2 or ARVUNID2).
The screen can be used to control cycle times, light intensity and colours. It also has an icon with which it is possible to call up 7 static colours and 4 sequences.
The panels can be used with all L&L devices compatible with the DMX512 protocol.
Installation requires a WC0302 recessed box.

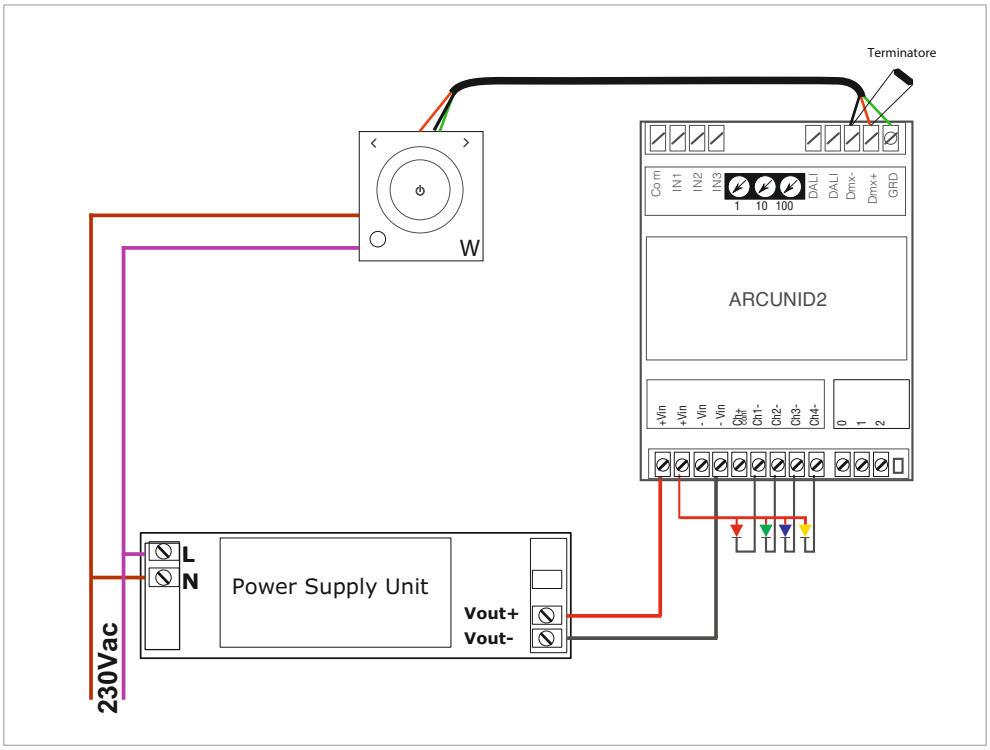
CODE	INput	Control	OUTput	Zones controlled	Dimensions	IP
TOUCH02L1	100–240Vac	touch RGB/RGBW	DMX512 bus	1 zone	86x86x36 mm 225 g	IP20
TOUCH03L1	100–240Vac	touch RGB/RGBW	DMX512 bus	4 zones	86x86x36 mm 225 g	IP20
WC0302 Required outer casing					90x90x50 mm	



TOUCH02L1



TOUCH03L1

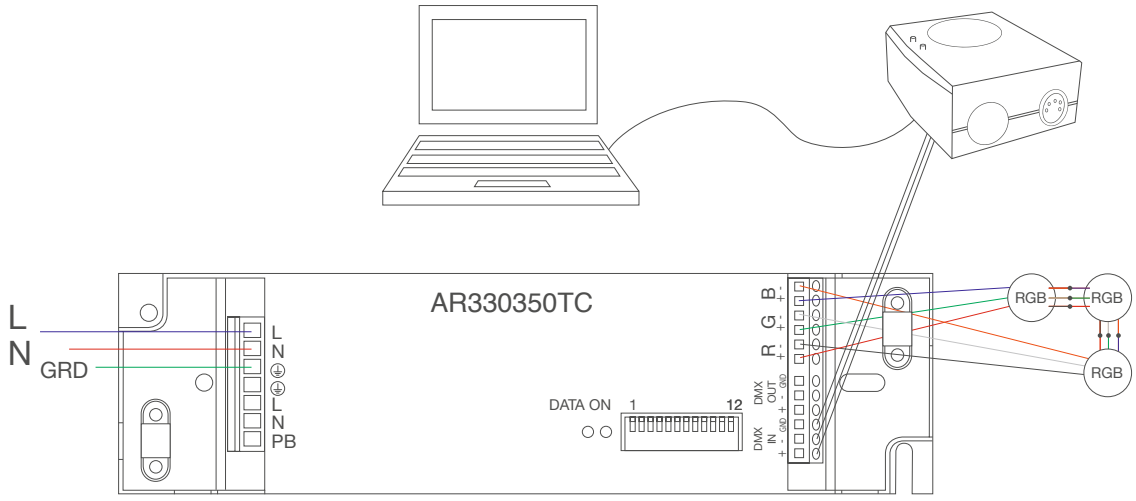


CONTROL SYSTEMS

INPUT VIA DMX01 (DMX512 PROTOCOL)

DMX01 is a software-programmable controller that sends a DMX512 control signal to the devices connected to it. The programming software comes with the controller and the programs are stored inside the unit itself: you can program up to 99 shows.
You can use the buttons on the controller to call up the various stored light shows without the need for a PC connection. You can also manage the connected devices dynamically and in real time by interacting with the software interface.
Using a connector for the I/O port, you can set up a series of normally open (NO) buttons to call up the stored scenes (up to a maximum of 8 scenes).

CODE	INput	OUTput	Dimensions	IP
DMX01	230Vac (adaptor)	DMX512 bus	79x92x43 mm 120 g	IP20



EMERGENCY KIT

The emergency kits are set up to work with LED drivers connected in series. When mains power is present, they act as a bypass for the LED driver and as battery chargers.
In the absence of mains power, they power the lighting fixtures.

AE01350T1

The AE01350T1 emergency unit is a very versatile power supply unit: it can function in non-maintained only, or in non-maintained and maintained light in conjunction with electronic transformers (maximum input voltage 90V, maximum input current 2A).
A multi-power version also exists, which can be adjusted using DIP switches and operates at constant current with power LEDs or constant voltage with LED modules.
The unit activates immediately in the event of a mains power outage and is equipped with:
• high-temperature Ni-Cd batteries, 1-hr life;
• LED charging indicator;
• protection device against extended discharges.

The unit has an IP20 ingress protection rating and complies with the standards:
EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN61000-3-2, SELV.

Technical and operating specifications:
• Supply voltage: 220-240V - 50-60Hz;
• Supply current: 20mA;
• Max operating temperature measured on the case: 70°C;
• Ambient temperature: 5-50°C;
• Charge time: 24hr;
• Terminal block range: 1.5 mm^2;
• LED mounting hole: Ø8.8 mm;
• Battery pack cable length: 200 mm;
• Charging device with basic isolation capable of recharging the battery normally after the test described in article 22.3 of CEI EN 61347-2-7:2007-09.

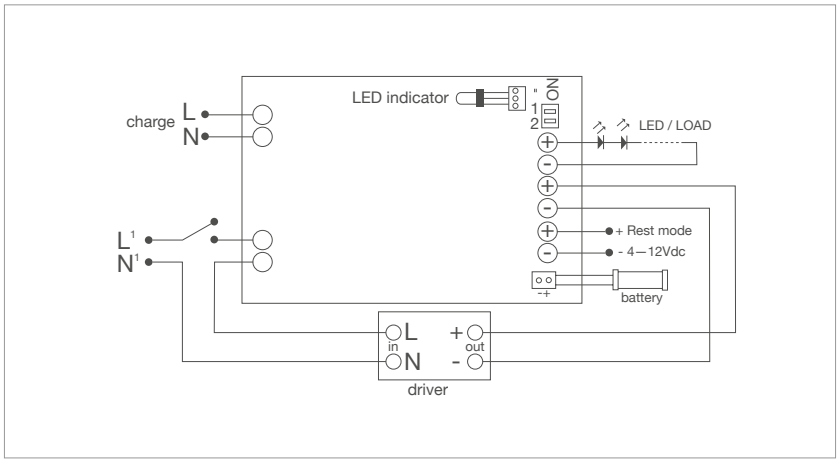
The charging device is protected against short circuits.

DIP switch position (dual in-line package)	Emergency work voltage (VL)	Emergency output current (I)	Max no. power LEDs in current	Max power for LED modules in voltage
A	9—12V	350mA	N°LED=12/Vf	24W
B	9—24V	350—250mA	N°LED=24/Vf	30W
C	9—46V	350—100mA	N°LED=46/Vf	
D	9—58V	350—85mA	N°LED=60/Vf	

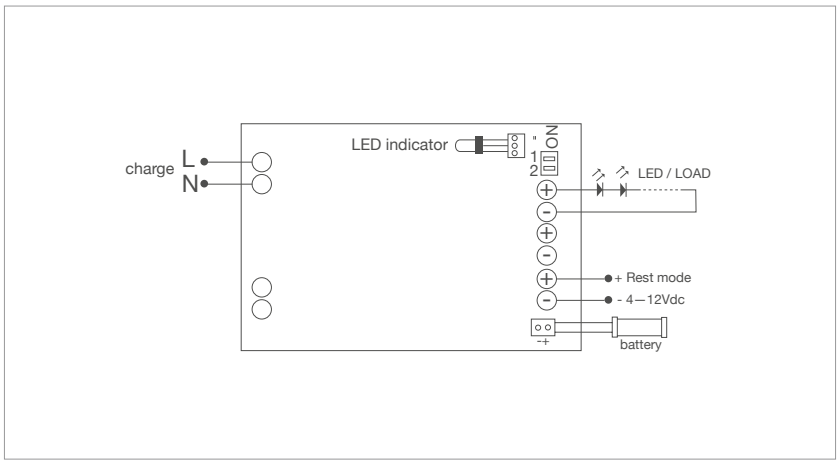
NB: 3-hr battery kit available on request

EMERGENCY KIT

ORDINARY + EMERGENCY LIGHTING



EMERGENCY ONLY



CODE	INput	OUTput	Dimensions		IP	Certifications
AE01350T1	220–240Vac 50–60Hz	max 350mA 58Vdc max	35x47x166 mm 185 g	Ø58 mm	IP20	

ACCESSORIES

SPARE PARTS

SPARE PARTS



Pair of end caps for outer casing for deep-set installation

WABR100A

(Brenta 1)



Pair of end caps for outer casing for deep-set installation

WABR200A

(Brenta 2)



Pair of end caps for outer casing for flush installation

WABR100F

(Brenta 1)



Pair of end caps for outer casing for flush installation

WABR200F

(Brenta 2)



Tool for tamper-resistant screws

WE0100

(Rondò 1.1 / 1.2 /
2.1 / 3.1 / 3.2 / 3.4)



Magnet for adjustable optics

WE0201

(Bright 3.F / 5.F; Ginko 3.0 / 3.4
Litus 5.4 / 5.5; Smoothy 5.4
Stra 1.0 / 5.0; Stra P 1.0 / 5.0)



Accessory for positioning filters

WE0301

(Akro 1.0 / 1.1 / 1.2)



Three-pin male connector

WF0320

(Brenta 1 / 2)



Suction cup

WL0100

(Siri Track 2.0)



Pair of U-shaped brackets

WN6002

(Neva Mini 1 / 2 / 5 / 6 / 7
Neva 1.0 / 1.1 / 1.2 / 2.0 / 2.1 / 2.2 /
3.0 / 3.1 / 3.2 / 4.0 / 4.1 / 4.2 /
5.0 / 5.1 / 5.2 / 6.0 / 6.1 / 6.2 /
7.0 / 7.1 / 7.2
Rio 2.0 / 2.1 / 2.2 / 2.3 / 2.4)



Pair of springs

WN6003

(Neva Mini 1 / 2 / 5 / 6 / 7
Neva 1.0 / 1.1 / 1.2 / 2.0 / 2.1 / 2.2 /
3.0 / 3.1 / 3.2 / 4.0 / 4.1 / 4.2 /
5.0 / 5.1 / 5.2 / 6.0 / 6.1 / 6.2 /
7.0 / 7.1 / 7.2)



Pair of extractors for outer casings

WN6004

(Neva Mini 1 / 2 / 5 / 6 / 7
Neva 1.0 / 1.1 / 1.2 / 2.0 / 2.1 / 2.2 /
3.0 / 3.1 / 3.2 / 4.0 / 4.1 / 4.2 /
5.0 / 5.1 / 5.2 / 6.0 / 6.1 / 6.2 /
7.0 / 7.1 / 7.2)

SPARE PARTS

 Pair of extractors for outer casings **WN7001** (Bright 3.0 316L; Stra 1.0 / 2.0 / 3.0 / 4.0 / 5.0)	 Pair of extractors for outer casings **WN6006** (Rio 1.0 / 1.1 / 1.2 / 1.3 / 1.4)	 Pair of extractors for outer casings **WN8002** (Rio 2.0 / 2.1 / 2.2 / 2.3 / 2.4)
 Pair of U-shaped brackets **WN8003** (Rio 1.0 / 1.1 / 1.2 / 1.3 / 1.4)	 Alignment kit for stainless steel outer casings **WN8011** (Rio 1.0 / 1.1 / 1.2 / 1.3 / 1.4 / 2.0 / 2.1 / 2.2 / 2.3 / 2.4)	 Pair of extractors for outer casings **WNBR000A** (Brenta 1 / 2)
 Optical filter kit **WR0300** (Siri Track 2.0)		

CABLES

POWER CABLES

order together with the lighting fixture

PVC cable FROR 2x0.50 Ø5.0 mm **WF0100** Your choice of length	PVC cable FROR 2x0.35 Ø3.5 mm **WF0110** Your choice of length	PVC cable FROR 6x0.25 Ø4.6 mm **WF0210** Your choice of length
Neoprene cable 05RN-F 2x0.35 Ø4.3 mm **WF0510** Your choice of length	Cable HT105° 2x0.20 Ø3.0 mm **WF0600** Your choice of length	

WIRING MATERIALS

WIRING MATERIALS



Connection box, 3 exits
Cable diameter: from 5.5 to 9.5 mm
IP54 without screws
IP67 with screws
WF0300
70x70x20 mm



Gel-filled four-way cable joint
Cable diameter: from 6.5 to 12 mm
IP68
WF0301
105x44x24 mm



Gel-filled straight-through cable joint
Cable diameter: from 8 to 10 mm
IP68
WF0304



Three-pin connector
Cable diameter: from 5 to 12 mm
Pointed screws
IP68
WF0313
Ø23x68 mm



Four-pin connector
Cable diameter: from 5 to 12 mm
Pointed screws
IP68
WF0314
Ø23x68 mm



Five-pin plug & socket connector
Cable diameter: from 5 to 12 mm
Pointed screws
IP68
WF0315
Ø23x95 mm



Three-pin female connector for
in/out connection - on/off version
Cable diameter: from 7 to 12 mm
IP68
WF0316
Ø23x85 mm



Five-pin female connector
for in/out connection - DALI
Cable diameter: from 7 to 12 mm
IP68
WF0317
Ø23x85 mm



Two-pin female connector for
in/out connection - on/off version
Cable diameter: from 7 to 12 mm
Pointed screws
IP68
WFA00
Ø23x85 mm



Four-pin female connector
for in/out connection - 0-10V
Cable diameter: from 7 to 12 mm
Pointed screws
IP68
WFA01
Ø23x85 mm



Potentiometer
WX05



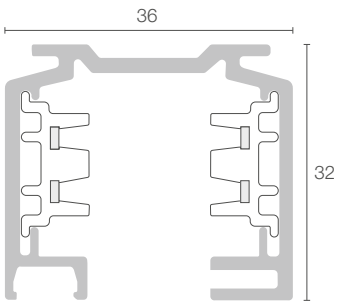
Synchronization cable, 1.5 m
WX06

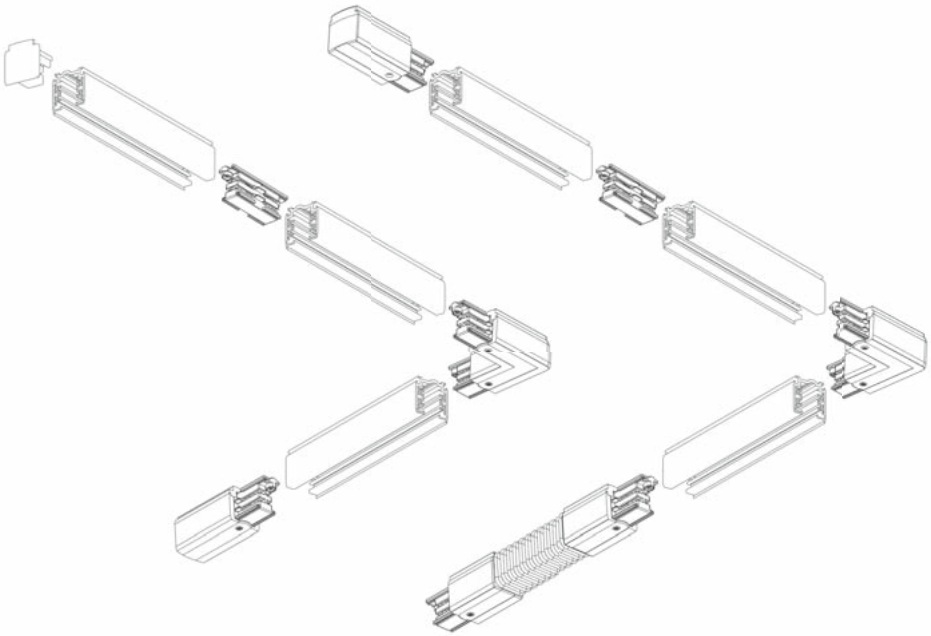


Synchronization cable, 4 m
WX07

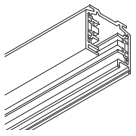
TRACK ACCESSORIES





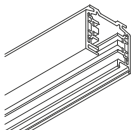


SIRI TRACK
ZAB TRACK



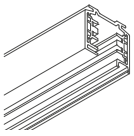
3-CCT aluminium lighting track
length 1000 mm

BE0010011 - Grey
BE0020011 - White
BE0030011 - Black



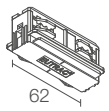
3-CCT aluminium lighting track
length 2000 mm

BE0010021 - Grey
BE0020021 - White
BE0030021 - Black



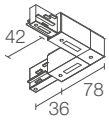
3-CCT aluminium lighting track
length 3000 mm

BE0010031 - Grey
BE0020031 - White
BE0030031 - Black



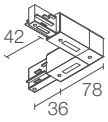
Concealed coupler with wiring

BE0011101 - Grey
BE0021101 - White
BE0031101 - Black



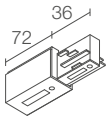
External L-shaped earth coupler

BE0011301 - Grey
BE0021301 - White
BE0031301 - Black



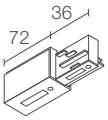
Internal L-shaped earth coupler

BE0011311 - Grey
BE0021311 - White
BE0031311 - Black



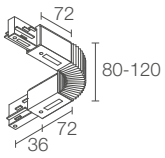
Supply connector, earth conductor on left

BE0011001 - Grey
BE0021001 - White
BE0031001 - Black



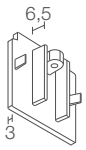
Supply connector, earth conductor on right

BE0011011 - Grey
BE0021011 - White
BE0031011 - Black



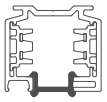
Flexible coupler

BE0011401 - Grey
BE0021401 - White
BE0031401 - Black



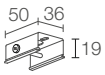
End cap

BE0011201 - Grey
BE0021201 - White
BE0031201 - Black



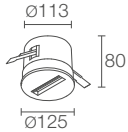
Cover
length 1000 mm

BE0022001 - White
BE0032001 - Black



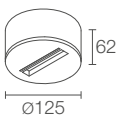
Suspension kit with 2-m cable
and clutch adjustment

BE0017001



3-phase recessed monopoint

BE0016101 - Grey
BE0026101 - White
BE0036101 - Black
(Siri Track 2.0)



3-phase recessed monopoint

BE0016111 - Grey
BE0026111 - White
BE0036111 - Black
(Siri Track 2.0)

WARRANTY



L&L Luce&Light offers all Buyers who purchase its products a warranty of 24 months against manufacturing and/or design defects as provided for under the General Terms And Conditions of L&L Luce&Light.

During the warranty period, the Buyer may submit a complaint to L&L Luce&Light together with a copy of the purchase invoice and the certification issued by the installer attesting the installation of the Product in accordance with the applicable regulations.

Given the high quality of its Products, L&L Luce&Light is able to offer its Buyers the possibility of extending the term of the above warranty to 5 years from the date of invoice.

This service is offered at no additional charge.

To request a warranty extension, you must make the request within three months of the date of invoice, using the warranty extension form available on the website (www.lucelight.it).

Once the form has been completed in full, the warranty will be extended to a period of 5 years from the date of invoice, as provided for in the L&L Luce&Light General Terms and Conditions, considered to be accepted in full.

Acceptance of the request for extension is subject to the correct and complete compilation of the warranty extension form in all its parts by the Buyer; L&L Luce&Light shall assign an identification code to the warranty extension and give notice thereof to the Buyer.

SYMBOLS

RGB

RGBW

Dynamic white

Shades of cyan

Complies with the European standard EN 60598-1

Device with LED technology

Appliance class I

Appliance class II

Appliance class III

Walkover fixture

Drive-over fixture

Product's gross weight including power cable

IP

Ingress protection

IP69K

Resistance to cleaning with high-pressure, high-temperature spray-downs (ISO-20653 compliant)

IK

Impact resistance

DMX

Digital Multiple X Communication protocol for lighting fixtures

RDM

RDM - Remote Device Management Bi-directional communication protocol for lighting fixtures

Energy efficiency class

Electrical Protection System

Intelligent Protection System

Protective Impedance Device

Surge Protection Device

NTC

Thermistor mounted on LED board

RAL finish on request

Total volume

Cut-out size

Max temperature of lighting fixture

Version with neutral and adhering primer so the body of the fixture can be painted with wall paint

Built-in speaker

A

A13350VL	Power supply unit	P. 845
A13350VL12/24	Converter	P. 845
A13500TC	Power supply unit	P. 845
A13700IP67	Power supply unit	P. 845
A13700QL	Power supply unit	P. 845
A14500IP67	Power supply unit	P. 845
A15500QL	Power supply unit	P. 845
A16350IP67	Power supply unit	P. 845
A19220TC	Power supply unit	P. 844
A19350QL	Power supply unit	P. 845
A310500IP67	Power supply unit	P. 845
A310500QL	Power supply unit	P. 845
A312350IP67	Power supply unit	P. 845
A312350QL	Power supply unit	P. 845
A39700IP67	Power supply unit	P. 845
ACUNI020T1	Power supply unit	P. 844
		P. 845
ACUNI032T1	Power supply unit	P. 844
ACUNI039T1	Power supply unit	P. 844
		P. 845
ACUNI042T1	Power supply unit	P. 844
ACUNIC30T1	Power supply unit	P. 844
		P. 845
AD018350TLT1	Dimmer	P. 853
AD020500TLT1	Dimmer	P. 853
AD020DALIT1	Power supply unit	P. 852
AD030DALIT1AM	Dimmer	P. 848
		P. 849
		P. 852
AD030DALIT1	Dimmer	P. 848
		P. 849
		P. 852
AD032TLT1	Dimmer	P. 848
		P. 849
		P. 853
AD050DALIT1	Dimmer	P. 848
		P. 849
		P. 850
		P. 852
AD050PUSHT1	Dimmer	P. 848
		P. 849
		P. 850
ADUNITC	Power supply unit	P. 848
		P. 849
		P. 850
ADV576DALIN1	Dimmer	P. 854
AE01350T1	Emergency kit	P. 861
		P. 862
AK1000___N	Akro 1.0	P. 198
AK1110___N	Akro 1.1	P. 199
AK1210___ND	Akro 1.2	P. 199
AR330350TC	Power supply unit	P. 856
AR330500TC	Power supply unit	P. 856
ARC336350D1	Easy RGB	P. 855
ARC336500D1	Easy RGB	P. 855
ARC336700D1	Easy RGB	P. 855
ARCUNID2	Universal sequencer	P. 857
ARV230PD1	Easy RGB	P. 855
ARVUNID2	Universal sequencer	P. 857
AV12020IP20	Power supply unit	P. 847
AV12040IP67	Power supply unit	P. 847
AV12060IP67	Power supply unit	P. 847
AV12150IP67	Power supply unit	P. 847
AV12192IP67	Power supply unit	P. 847
AV24008IP54	Power supply unit	P. 847
AV24010IP20	Power supply unit	P. 847
AV24020IP67	Power supply unit	P. 847
AV24040IP67	Power supply unit	P. 847
AV24060IP20	Power supply unit	P. 847
AV24060IP67	Power supply unit	P. 847
AV24100IP20	Power supply unit	P. 847
AV24150IP20	Power supply unit	P. 847
AV24150IP67	Power supply unit	P. 847
AV24240IP67	Power supply unit	P. 847
AV24320IP67	Power supply unit	P. 847
AV36060IP67	Power supply unit	P. 847
AV48060IP67	Power supply unit	P. 847
AV48150IP20	Power supply unit	P. 847
AV48150IP67	Power supply unit	P. 847
AV48240IP67	Power supply unit	P. 847

B

BC1000____	Bitpop C 1.0	P. 614
BC2210____	Bitpop C 2.2	P. 615
BC4110____	Bitpop C 4.1	P. 615
BE00_0011	3-CCT lighting track	P. 871
BE00_0021	3-CCT lighting track	P. 871
BE00_0031	3-CCT lighting track	P. 871
BE00_1001	Supply connector w. earth conductor on left	P. 871
BE00_1011	Supply connector w. earth conductor on right	P. 871
BE00_1101	Concealed coupler with wiring	P. 871
BE00_1201	End cap	P. 871
BE00_1301	Ext. L-shaped earth coupler	P. 871
BE00_1311	Int. L-shaped earth coupler	P. 871
BE00_1401	Flexible coupler	P. 871
BE00_2001	Cover	P. 871
BE00_6101	Recessed monopoint	P. 871
BE00_6111	Ceiling monopoint	P. 871
BE0017001	Suspension kit	P. 871
BP10_0____	Bitpop 1.0	P. 474
BP211____	Bitpop 2.1	P. 475
BP221____	Bitpop 2.2	P. 475
BP411____	Bitpop 4.1	P. 476
BP811____	Bitpop 8.1	P. 477
BR1_1_1_0B_	Brenta 1	P. 638
BR2_1_1_0B_	Brenta 2	P. 640
BR10012__I	Brom 1.0	P. 294
BR20022___I	Brom 2.0	P. 294
BR30032__I	Brom 3.0	P. 295
BR40062___I	Brom 4.0	P. 295
BT1010_A_	Bitta 1.0	P. 417
BT1110_A_	Bitta 1.1	P. 417

C

CB1012__AI	Bright 1.0	P. 62
CB1112__AI	Bright 1.1	P. 63
CB1212__AI	Bright 1.2	P. 63
CB1600__I	Bright 1.6	P. 64
CB1700__I	Bright 1.7	P. 64
CB18006_I	Bright 1.8	P. 65
CB19006_I	Bright 1.9	P. 65
CB1A130__TI	Bright 1.A	P. 344
CB1B0_0__TI	Bright 1.B	P. 344
CB24____	Bright 2.4	P. 67
CB25____	Bright 2.5	P. 69
CB280_0___	Bright 2.8	P. 70
CB290_0__I	Bright 2.9	P. 70
CB3F0__0___0_I	Bright 3.F	P. 72
CB3G0__0___0_I	Bright 3.G	P. 73
CB3H00000070_I	Bright 3.H	P. 73

CB5F0__00__0_I	Bright 5.F	P. 74
CB5G0__00__0_I	Bright 5.G	P. 75
CB5H00000070_I	Bright 5.H	P. 75
CB47000_RI	Bright 4.7	P. 347
CB97000_RI	Bright 9.7	P. 347
CC10201000_0_0	Combina D 1.0	P. 444
CC11201000_0_0	Combina D 1.1	P. 444
CC2020_000_0_0	Combina D 2.0	P. 445
CC2120_000_0_0	Combina D 2.1	P. 445
CC3020_000_0_0	Combina D 3.0	P. 446
CC3120_000_0_0	Combina D 3.1	P. 446
CC4020_000_0_0	Combina D 4.0	P. 447
CC4120_000_0_0	Combina D 4.1	P. 447
CD101___A_	Beam 1.0	P. 113
CD20___DA_	Beam 2.0	P. 338
CD21___DA_	Beam 2.1	P. 338
CD26___D_	Beam 2.6	P. 339
CD27___D_	Beam 2.7	P. 339
CF1012__AI	Spot 1.0	P. 217
CF1600__I	Spot 1.6	P. 217
CF24100000_0__	Spot 2.4	P. 218
CF34100000_0__	Spot 3.4	P. 219
CK10101___	Ciak 1.0	P. 484
CK11101___	Ciak 1.1	P. 484
CK16001___	Ciak 1.6	P. 485
CK17001___	Ciak 1.7	P. 485
CK26001___	Ciak 2.6	P. 487
CK27001___	Ciak 2.7	P. 487
CL211__A_	Linear 2.1	P. 408
CL221__A_	Linear 2.2	P. 408
CL2310_A_	Linear 2.3	P. 409
CL2410_A_	Linear 2.4	P. 409
CL411__A_	Linear 4.1	P. 410
CL421__A_	Linear 4.2	P. 411
CL4410_A_	Linear 4.4	P. 411
CM10201000_0__	Cameo 1.0	P. 492
CM11201000_0__	Cameo 1.1	P. 493
CM12201000_R1_	Cameo 1.2	P. 493
CM16001000_0__	Cameo 1.6	P. 494
CM17001000_0__	Cameo 1.7	P. 495
CM18001000_R1_	Cameo 1.8	P. 495
CM26001000_0__	Cameo 2.6	P. 496
CM27001000_0__	Cameo 2.7	P. 497
CM28001000_R1_	Cameo 2.8	P. 497
CP170____	Pivot 1.7	P. 189
CP1820N00_60__	Pivot 1.8	P. 190
CR10100000_0_I	Corso 1.0	P. 98
CR20100000_0_I	Corso 2.0	P. 98
CR30100000_0_I	Corso 3.0	P. 99
CR40100000_0_I	Corso 4.0	P. 99
CS1010___I_	Stra 1.0	P. 106
CS2010___I	Stra 2.0	P. 106
CS3010____I	Stra 3.0	P. 107
CS4010___I	Stra 4.0	P. 107
CS50007_H	Stra 5.0	P. 109
CU103___	Cube W 1.0	P. 299
CU113___	Cube W 1.1	P. 299
CU123___	Cube C 1.2	P. 313
CU133___	Cube C 1.3	P. 313
CW1012__AI	Bright 1.0 316L	P. 684
CW1600__I	Bright 1.6 316L	P. 685
CW18006_I	Bright 1.8 316L	P. 685
CW2032__AI	Bright 2.0 316L	P. 686
CW2600__I	Bright 2.6 316L	P. 686
CW30____	Bright 3.0 316L	P. 688
CW50_2__AI	Bright 5.0 316L	P. 689
CY103120___	City 1.0	P. 575

D

DMX01	DMX controller	P. 860
DU1010_00__0__	Duomo 1.0	P. 554
DU2010_00__0__	Duomo 2.0	P. 554
DU3010__0__0__	Duomo 3.0	P. 555
DU4010__0__0__	Duomo 4.0	P. 555

E

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LED EXPERIENCE

Given the continuous evolution of LED technology,
the technical characteristics of the lighting fixtures may vary
with respect to those given in this publication.
For this reason, the information contained herein shall be deemed
merely indicative and not binding for the Company.
The technical reference documentation is available in the download
section for each product on the L&L website:

WWW.LUCELIGHT.IT

CONCEPT AND ART DIRECTION
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