

PINARA

LINEAR LED DOWNLIGHT

Class II IP20

Available in any
of these RAL colors



The PINARA LED downlight is specially designed to deliver high output LED light with very clean beam angles to corridors, hotel rooms, museums and general lighting of public spaces. The Nichia LEDs in the PINARA are very efficient and have a high CRI (90). The unique lens that is used in this fixture creates very sharp beams that minimize the spill of uncontrolled light from the fixture. This reduces the glare of the fixture and gives more control to the architects and designers.

Body

Polycarbonate

Heatsink

Aluminium extrusion profile

Diffuser

With clear or frosted tempered glass, without glass

Springs

Steel

Cable

0.5 m exiting top of fixture

Gear

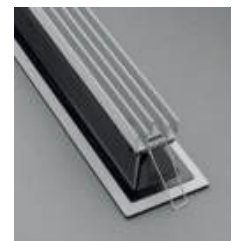
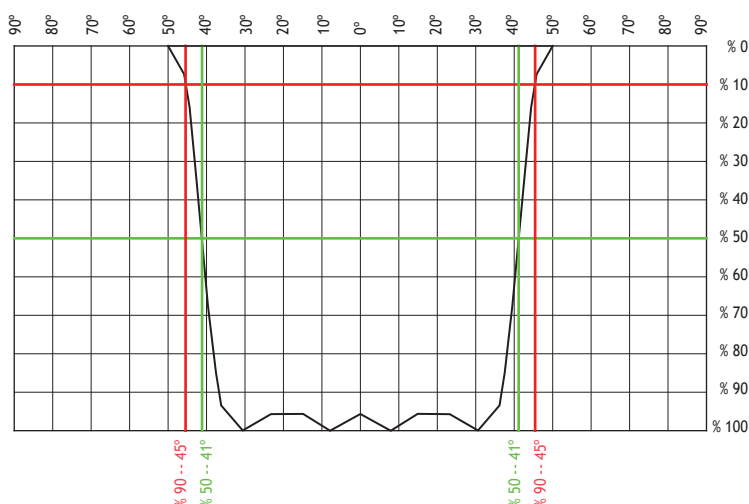
Non-Dimmable electronic LED driver (1-10V Dimmable and DALI drivers available on request)

Application

Symmetrical and asymmetrical lighting for general lighting such as museums, hospitals, hotel rooms, dormitories, corridors, shops, and balconies.

“Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 standard paint colors, 3 white tones, 3 wattages are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.



LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

PINARA

LINEAR LED DOWNLIGHT

Class II IP20

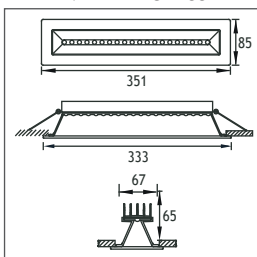
Available in any
of these RAL colors



POWER LED

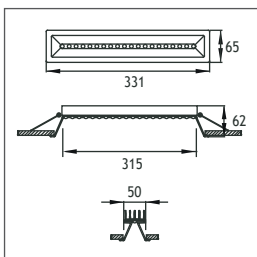
Led : 350 - 500 - 700 mA (Nichia)
Gear : 240V Non-Dimmable Driver
 (1-10V Dimmable Driver and
 DALI Driver available on request)
Diffuser : Clear or frosted tempered Glass
Cable : 0.5 m 2x0,75 mm H03 VV-F

PINARA 1 CLEAR OR FROSTED TEMPERED GLASS



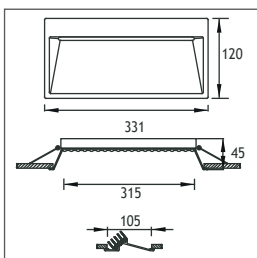
Power	Kelvin	Real Lumen Output	Code No
10W LED	2700 K	950 lm	392001
10W LED	3000 K	950 lm	392002
10W LED	4000 K	968 lm	392003
15W LED	2700 K	1425 lm	392011
15W LED	3000 K	1425 lm	392012
15W LED	4000 K	1453 lm	392013
21W LED	2700 K	1995 lm	392021
21W LED	3000 K	1995 lm	392022
21W LED	4000 K	2053 lm	392023

PINARA 2 SYMMETRICAL



Power	Kelvin	Real Lumen Output	Code No
10W LED	2700 K	950 lm	392101
10W LED	3000 K	950 lm	392102
10W LED	4000 K	968 lm	392103
15W LED	2700 K	1425 lm	392111
15W LED	3000 K	1425 lm	392112
15W LED	4000 K	1453 lm	392113
21W LED	2700 K	1995 lm	392121
21W LED	3000 K	1995 lm	392122
21W LED	4000 K	2053 lm	392123

PINARA 2 ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Code No
10W LED	2700 K	950 lm	392201
10W LED	3000 K	950 lm	392202
10W LED	4000 K	968 lm	392203
15W LED	2700 K	1425 lm	392211
15W LED	3000 K	1425 lm	392212
15W LED	4000 K	1453 lm	392213
21W LED	2700 K	1995 lm	392221
21W LED	3000 K	1995 lm	392222
21W LED	4000 K	2053 lm	392223

PINARA

TRIMLESS LINEAR LED DOWNLIGHT

Class II IP20

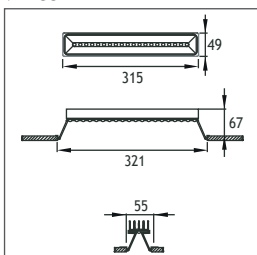
Available in any
of these RAL colors



POWER LED

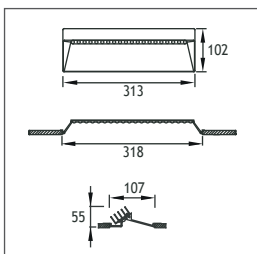
Led : 350 - 500 - 700 mA (Nichia)
Gear : 240V Non-Dimmable Driver
 (1-10V Dimmable Driver and
 DALI Driver available on request)
Diffuser : Clear or frosted tempered Glass
Cable : 0.5 m 2x0,75 mm H03 VV-F

PINARA SYMMETRICAL TRIMLESS

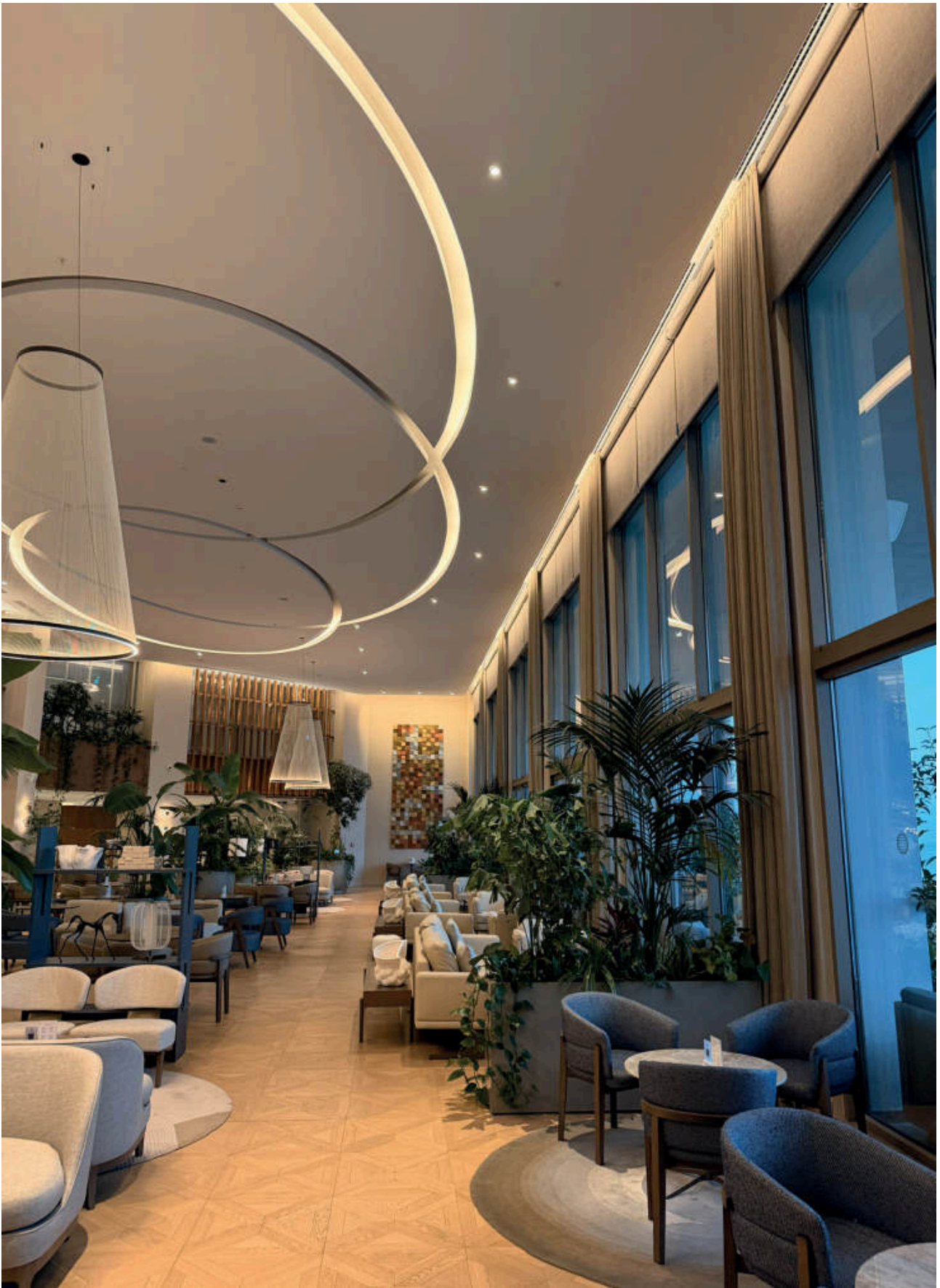


Power	Kelvin	Real Lumen Output	Code No
10W LED	2700 K	950 lm	393001
10W LED	3000 K	950 lm	393002
10W LED	4000 K	968 lm	393003
15W LED	2700 K	1425 lm	393011
15W LED	3000 K	1425 lm	393012
15W LED	4000 K	1453 lm	393013
21W LED	2700 K	1995 lm	393021
21W LED	3000 K	1995 lm	393022
21W LED	4000 K	2053 lm	393023

PINARA ASYMMETRICAL TRIMLESS



Power	Kelvin	Real Lumen Output	Code No
10W LED	2700 K	950 lm	393101
10W LED	3000 K	950 lm	393102
10W LED	4000 K	968 lm	393103
15W LED	2700 K	1425 lm	393111
15W LED	3000 K	1425 lm	393112
15W LED	4000 K	1453 lm	393113
21W LED	2700 K	1995 lm	393121
21W LED	3000 K	1995 lm	393122
21W LED	4000 K	2053 lm	393123



HARPUT

LED DOWNLIGHT

Class II IP65/20

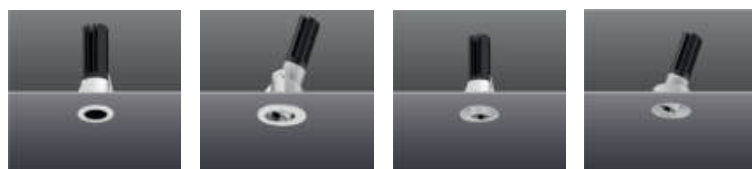
Available in any
of these RAL colors



The Harput LED downlight is specially designed to deliver high output LED light with very clean beam angles to corridors, hotel rooms, museums and general lighting of public spaces. The LEDs used in the HARPUT are very efficient and have a high CRI (90). The unique lens that is used in this fixture creates very sharp beams that minimize the spill of uncontrolled light from the fixture. This reduces the glare of the fixture and gives more control to the architects and designers.

- Body** : Aluminium
- Heatsink** : Aluminium
- Diffuser** : With clear or frosted tempered Glass
- Springs** : Steel
- Cable** : 0.5 m exiting top of fixture
- Gear** : 240V Non-Dimmable electronic LED driver
(1-10V Dimmable and DALI drivers available on request)

HARPUT MINI



Fixed

Adjustable

Trimless
Fixed

Trimless
Adjustable

HARPUT 2



Fixed

Adjustable

Trimless
Fixed

Trimless
Adjustable

HARPUT 3



Fixed

Adjustable

Trimless
Fixed

Trimless
Adjustable

HARPUT 4



Fixed

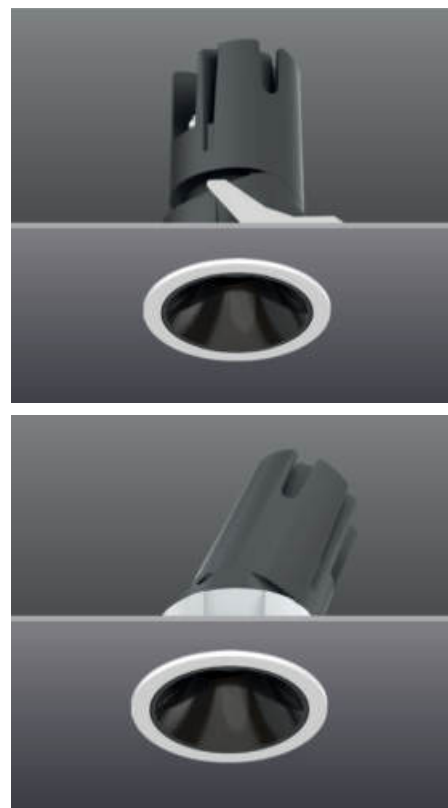
Adjustable

Trimless
Fixed

Trimless
Adjustable

Application

Symmetrical and asymmetrical lighting for general lighting such as museums, hospitals, hotel rooms, dormitories, corridors, shops, and balconies.



LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

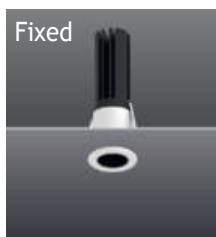
Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

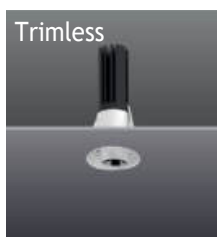
HARPOT MINI LED DOWNLIGHT

Class II IP20

Available in any
of these RAL colors

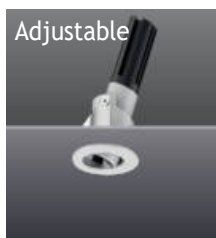


Fixed



Trimless

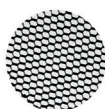
Led : 1W or 3W POWER LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



Adjustable

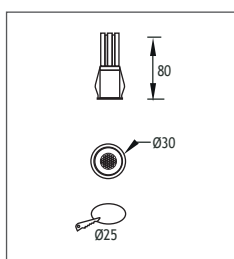


Trimless
Adjustable



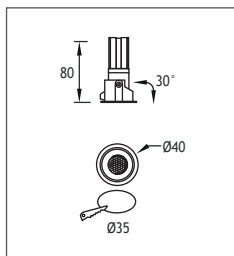
HONEYCOMB FOR HARPOT MINI LED DOWNLIGHT
 Code No: 953957

Fixed



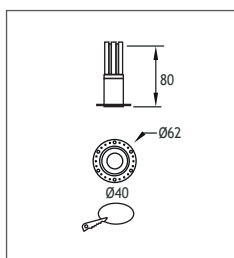
Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	230003
1W LED	3000 K	95 lm	230001
1W LED	4500 K	97 lm	230002
3W LED	2700 K	285 lm	230013
3W LED	3000 K	285 lm	230011
3W LED	4500 K	290 lm	230012

Adjustable



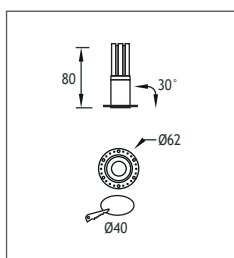
Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	230103
1W LED	3000 K	95 lm	230101
1W LED	4500 K	97 lm	230102
3W LED	2700 K	285 lm	230113
3W LED	3000 K	285 lm	230111
3W LED	4500 K	290 lm	230112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	234003
1W LED	3000 K	95 lm	234001
1W LED	4500 K	97 lm	234002
3W LED	2700 K	285 lm	234013
3W LED	3000 K	285 lm	234011
3W LED	4500 K	290 lm	234012

Trimless Adjustable

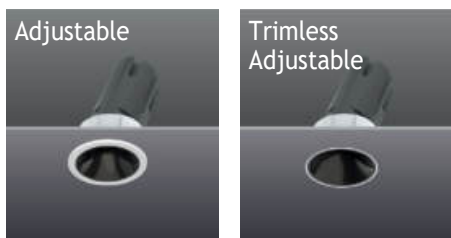


Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	234103
1W LED	3000 K	95 lm	234101
1W LED	4500 K	97 lm	234102
3W LED	2700 K	285 lm	234113
3W LED	3000 K	285 lm	234111
3W LED	4500 K	290 lm	234112

HARPUR 2 LED DOWNLIGHT

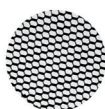
Class II IP65

Available in any
of these RAL colors



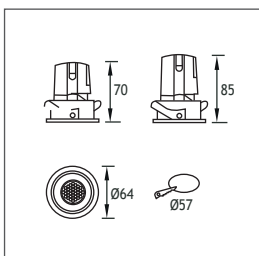
6W or 12W COB LED

Led : 6W or 12W COB LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



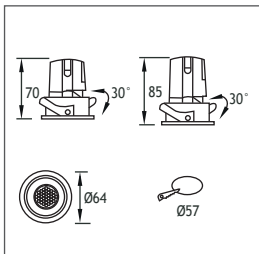
HONEYCOMB FOR HARPUR 2 LED DOWNLIGHT
 Code No: 953958

Fixed



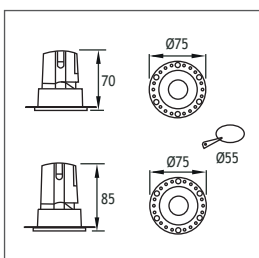
Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	231003
6W LED	3000 K	570 lm	231001
6W LED	4500 K	581 lm	231002
12W LED	2700 K	1140 lm	231013
12W LED	3000 K	1140 lm	231011
12W LED	4500 K	1162 lm	231012

Adjustable



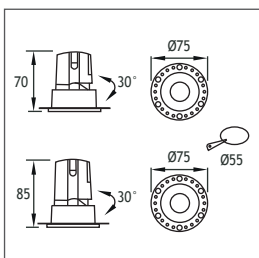
Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	231103
6W LED	3000 K	570 lm	231101
6W LED	4500 K	581 lm	231102
12W LED	2700 K	1140 lm	231113
12W LED	3000 K	1140 lm	231111
12W LED	4500 K	1162 lm	231112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	235003
6W LED	3000 K	570 lm	235001
6W LED	4500 K	581 lm	235002
12W LED	2700 K	1140 lm	235013
12W LED	3000 K	1140 lm	235011
12W LED	4500 K	1162 lm	235012

Trimless Adjustable

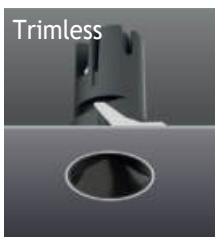


Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	235103
6W LED	3000 K	570 lm	235101
6W LED	4500 K	581 lm	235102
12W LED	2700 K	1140 lm	235113
12W LED	3000 K	1140 lm	235111
12W LED	4500 K	1162 lm	235112

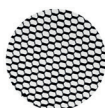
HARPUT 3 LED DOWNLIGHT

Class II IP65

Available in any
of these RAL colors

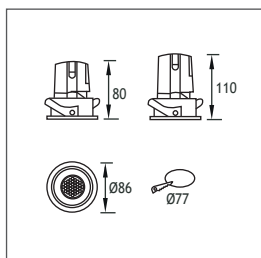


Led : 12W or 20W COB LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



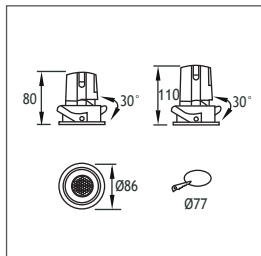
HONEYCOMB FOR HARPUT 3 LED DOWNLIGHT
 Code No: 953959

Fixed



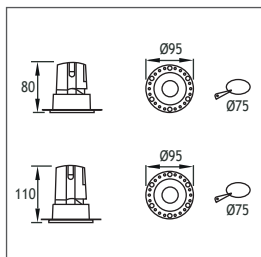
Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	232003
12W LED	3000 K	1140 lm	232001
12W LED	4500 K	1162 lm	232002
20W LED	2700 K	1900 lm	232013
20W LED	3000 K	1900 lm	232011
20W LED	4500 K	1936 lm	232012

Adjustable



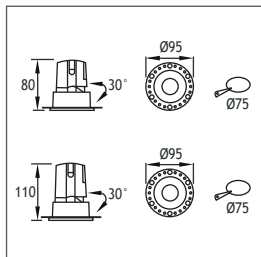
Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	232103
12W LED	3000 K	1140 lm	232101
12W LED	4500 K	1162 lm	232102
20W LED	2700 K	1900 lm	232113
20W LED	3000 K	1900 lm	232111
20W LED	4500 K	1936 lm	232112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	236003
12W LED	3000 K	1140 lm	236001
12W LED	4500 K	1162 lm	236002
20W LED	2700 K	1900 lm	236013
20W LED	3000 K	1900 lm	236011
20W LED	4500 K	1936 lm	236012

Trimless Adjustable



Power	Kelvin	Real Lumen Output	Code No
12W LED	2700 K	1140 lm	236103
12W LED	3000 K	1140 lm	236101
12W LED	4500 K	1162 lm	236102
20W LED	2700 K	1900 lm	236113
20W LED	3000 K	1900 lm	236111
20W LED	4500 K	1936 lm	236112

HARPOT 4 LED DOWNLIGHT

Class II IP65

Available in any
of these RAL colors



Fixed



Trimless

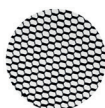
Led : 20W or 30W COB LED
Reflector : 15°, 24°, 38° or 60°
Gear : 240V
 (1-10V Dimmable Driver & DALI Driver available on request)
Cable : 0,5 m 2x0,75 mm H03 VV-F



Adjustable

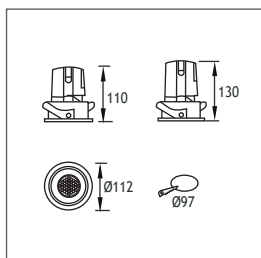


Trimless
Adjustable



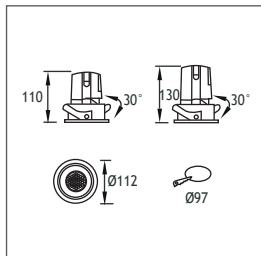
HONEYCOMB FOR HARPOT 4 LED DOWNLIGHT
Code No: 953960

Fixed



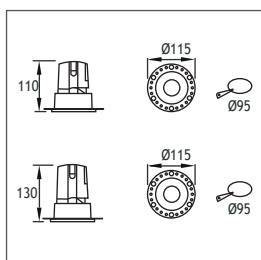
Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	233003
20W LED	3000 K	1800 lm	233001
20W LED	4500 K	1980 lm	233002
30W LED	2700 K	2700 lm	233013
30W LED	3000 K	2700 lm	233011
30W LED	4500 K	2970 lm	233012

Adjustable



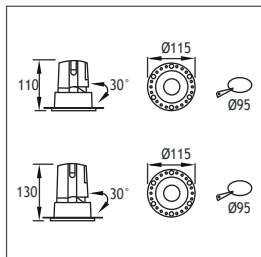
Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	233103
20W LED	3000 K	1800 lm	233101
20W LED	4500 K	1980 lm	233102
30W LED	2700 K	2700 lm	233113
30W LED	3000 K	2700 lm	233111
30W LED	4500 K	2970 lm	233112

Trimless Fixed



Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	237003
20W LED	3000 K	1800 lm	237001
20W LED	4500 K	1980 lm	237002
30W LED	2700 K	2700 lm	237013
30W LED	3000 K	2700 lm	237011
30W LED	4500 K	2970 lm	237012

Trimless Adjustable



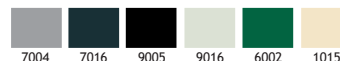
Power	Kelvin	Real Lumen Output	Code No
20W LED	2700 K	1800 lm	237103
20W LED	3000 K	1800 lm	237101
20W LED	4500 K	1980 lm	237102
30W LED	2700 K	2700 lm	237113
30W LED	3000 K	2700 lm	237111
30W LED	4500 K	2970 lm	237112

PENTATHLON

LED DOWNLIGHT

Class II IP20

Available in any
of these RAL colors



The PENTATHLON Dark Reflector LED Downlight is specially designed to provide low glare lighting in high ceiling areas. The Nichia COB chip gives out a high efficiency and high CRI (90) light. The lens that is used in the PENTATHLON allows the light to reach the ground with minimal loss from deep inside the fixture. The depth of the fixture and the clean beam of the lens is what provides the low glare of this fixture.

Body

Die cast aluminium

Paint

Electrostatic powder paint RAL 9016 (available in other RAL colors)

Springs

Steel for mounting in ceilings of 1-25mm thickness

Gear

Non-Dimmable electronic LED driver

(1-10V Dimmable and DALI drivers available on request)

Cable

0.5m exiting from top of fixture

COB LED

Led : 350mA 13W / 500mA 18W LED (Nichia)

Reflector : 24° or 38°

Gear : 240V Non-Dimmable Driver

(1-10V Dimmable Driver and DALI Driver available on request)

Cable : 0.5 m 2x0,75 mm H03 VV-F

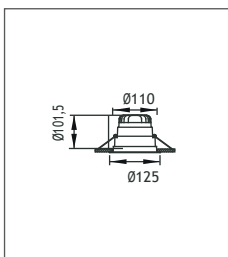


Symmetrical



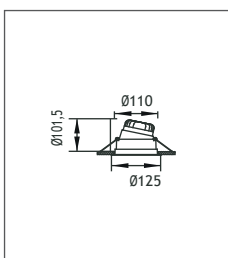
Asymmetrical

SYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
13W LED	2700 K	1235 lm	24°, 38°	118203
13W LED	3000 K	1235 lm	24°, 38°	118201
13W LED	4000 K	1259 lm	24°, 38°	118202
18W LED	2700 K	1710 lm	24°, 38°	118403
18W LED	3000 K	1710 lm	24°, 38°	118401
18W LED	4000 K	1779 lm	24°, 38°	118402

ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
13W LED	2700 K	1235 lm	24°, 38°	118223
13W LED	3000 K	1235 lm	24°, 38°	118221
13W LED	4000 K	1259 lm	24°, 38°	118222
18W LED	2700 K	1710 lm	24°, 38°	118213
18W LED	3000 K	1710 lm	24°, 38°	118211
18W LED	4000 K	1779 lm	24°, 38°	118212

PENTATHLON

TRIMLESS LED DOWNLIGHT

Class II IP20

Available in any
of these RAL colors



COB LED

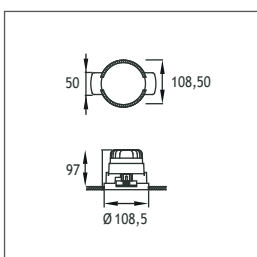
Led : 350mA 13W / 500mA 18W LED (Nichia)

Reflector : 24° or 38°

Gear : 240V Non-Dimmable Driver
(1-10V Dimmable Driver and DALI Driver available on request)

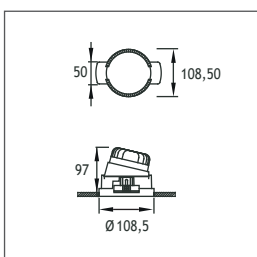
Cable : 0.5 m 2x0,75 mm H03 VV-F

TRIMLESS SYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
13W LED	2700 K	1235 lm	24°, 38°	118303
13W LED	3000 K	1235 lm	24°, 38°	118301
13W LED	4000 K	1259 lm	24°, 38°	118302
18W LED	2700 K	1710 lm	24°, 38°	118333
18W LED	3000 K	1710 lm	24°, 38°	118331
18W LED	4000 K	1779 lm	24°, 38°	118332

TRIMLESS ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
13W LED	2700 K	1235 lm	24°, 38°	118323
13W LED	3000 K	1235 lm	24°, 38°	118321
13W LED	4000 K	1259 lm	24°, 38°	118322
18W LED	2700 K	1710 lm	24°, 38°	118343
18W LED	3000 K	1710 lm	24°, 38°	118341
18W LED	4000 K	1779 lm	24°, 38°	118342





SATURN LED DOWNLIGHT

Class II IP20

Available in any
of these RAL colors



The Saturn LED Downlight is specially designed to provide highest energy efficiency in general lighting applications. Using latest LED technology in combination with special plastic moulding and paint application allows for around 90lm/W lighting output. The highly efficient diffuser provides a completely homogenous light output.

Body

Die cast aluminium

Paint

Electrostatic powder paint RAL 9016 (available in other RAL colors)

Springs

Steel for mounting in ceilings of 1-25mm thickness

Gear

Non-Dimmable electronic LED driver (1-10V Dimmable and DALI drivers available on request)

Cable

0.5m exiting from top of fixture



COB LED

Led : 180mA 6W / 250mA 8W COB LED

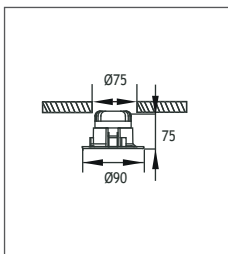
Reflector : 10° / 38° / 60°

Gear : 240V Non-Dimmable Driver

(1-10V Dimmable Driver and DALI Driver available on request)

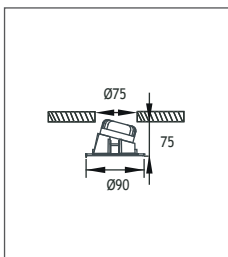
Cable : 0.5 m 2x0,75 mm H03 VV-F

FIXED

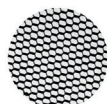


Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,38°,60°	528004
6W LED	3000 K	570 lm	10°,38°,60°	528001
6W LED	4000 K	581 lm	10°,38°,60°	528002
6W LED	6000 K	593 lm	10°,38°,60°	528003
8W LED	2700 K	760 lm	10°,38°,60°	528014
8W LED	3000 K	760 lm	10°,38°,60°	528011
8W LED	4000 K	774 lm	10°,38°,60°	528012
8W LED	6000 K	790 lm	10°,38°,60°	528013

ADJUSTABLE



Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,38°,60°	528104
6W LED	3000 K	570 lm	10°,38°,60°	528101
6W LED	4000 K	581 lm	10°,38°,60°	528102
6W LED	6000 K	593 lm	10°,38°,60°	528103
8W LED	2700 K	760 lm	10°,38°,60°	528114
8W LED	3000 K	760 lm	10°,38°,60°	528111
8W LED	4000 K	774 lm	10°,38°,60°	528112
8W LED	6000 K	790 lm	10°,38°,60°	528113



Honeycomb
Code No: 953956



SATURN MINI

DEEP LED DOWNLIGHT
Class I IP20

Available in any of these RAL colors

7004

7016

9005

9016

6002

1015



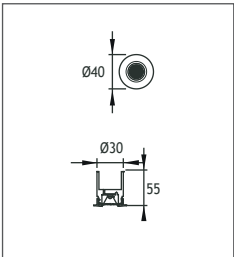
- COB LED
- Voltage

: 240V A.C with integrated driver
(24V AC or DC on request)
- Diffuser

: Clear Glass with painted circumference
8 mm (Frosted Glass on request)
- Cable

: Potted 5 m 3x0,75 H03 VV-F

SATURN MINI

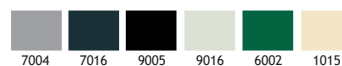


Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	25°,40°	529004
1W LED	3000 K	95 lm	25°,40°	529001
1W LED	4500 K	97 lm	25°,40°	529002
1W LED	6000 K	99 lm	25°,40°	529003
3W LED	2700 K	285 lm	25°,40°	529014
3W LED	3000 K	285 lm	25°,40°	529011
3W LED	4500 K	290 lm	25°,40°	529012
3W LED	6000 K	296 lm	25°,40°	529013

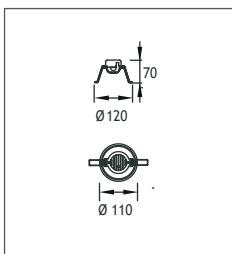
CUNDA

LED DOWNLIGHT Class II IP44

Available in any
of these RAL colors

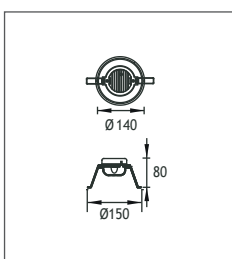


CUNDA 1



Power	Kelvin	Real Lumen Output	Code No	
			DOT	HALO
7W LED	2700 K	665 lm	419203	419213
7W LED	3000 K	665 lm	419201	419211
7W LED	4000 K	677 lm	419202	419212

CUNDA 2



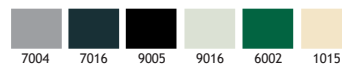
Power	Kelvin	Real Lumen Output	Code No	
			DOT	HALO
11W LED	2700 K	1045 lm	419303	419313
11W LED	3000 K	1045 lm	419301	419314
11W LED	4000 K	1065 lm	419302	419315

DOT

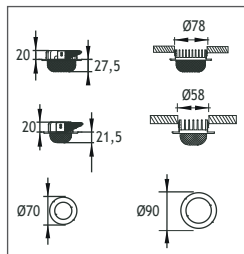
LED DOWNLIGHT

Class II IP44

Available in any
of these RAL colors

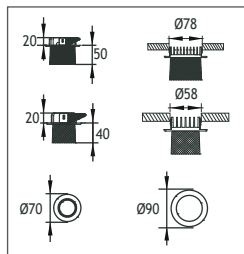


DOT



Power	Kelvin	Real Lumen Output	Code No
7W LED	2700 K	665 lm	112303
7W LED	3000 K	665 lm	112301
7W LED	4000 K	677 lm	112302
11W LED	2700 K	1045 lm	112313
11W LED	3000 K	1045 lm	112311
11W LED	4000 K	1065 lm	112312

HALO



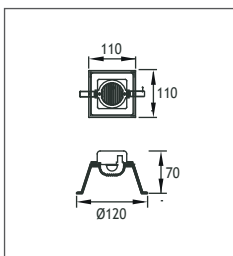
Power	Kelvin	Real Lumen Output	Code No
7W LED	2700 K	665 lm	112403
7W LED	3000 K	665 lm	112401
7W LED	4000 K	677 lm	112402
11W LED	2700 K	1045 lm	112413
11W LED	3000 K	1045 lm	112411
11W LED	4000 K	1065 lm	112412

PATARA

LED DOWNLIGHT

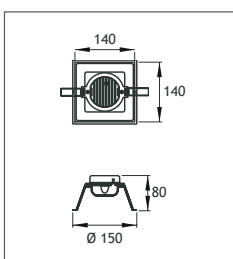
Class II IP44

PATARA 1



Power	Kelvin	Real Lumen Output	Code No	
			DOT	HALO
7W LED	2700 K	665 lm	420303	420313
7W LED	3000 K	665 lm	420301	420314
7W LED	4000 K	677 lm	420302	420315

PATARA 2



Power	Kelvin	Real Lumen Output	Code No	
			DOT	HALO
7W LED	2700 K	665 lm	420403	420413
7W LED	3000 K	665 lm	420401	420414
7W LED	4000 K	677 lm	420402	420415

BELKIS MINI

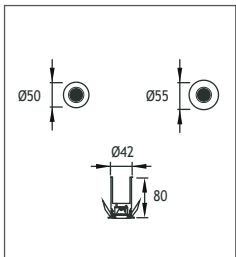
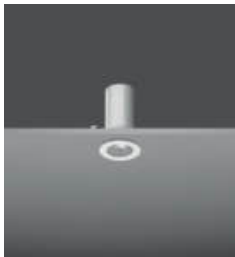
LED DOWNLIGHT
Class I IP65

- Cover
 - Die cast aluminium or Stainless steel
- Body
 - Die cast aluminium
- Gaskets
 - Silicone
- Diffusers
 - Tempered Glass

- Voltage
 - : 240V A.C with integrated driver
(24V AC or DC on request)
- Lens
 - : 25°, 40°
- Diffuser
 - : Clear Glass with painted circumference
8 mm (Frosted Glass on request)
- Cable
 - : Potted 5 m 3x0,75 H03 VV-F



BELKIS MINI



Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	25°,40°	297004
1W LED	3000 K	95 lm	25°,40°	297001
1W LED	4500 K	97 lm	25°,40°	297002
1W LED	6000 K	99 lm	25°,40°	297003
3W LED	2700 K	285 lm	25°,40°	297014
3W LED	3000 K	285 lm	25°,40°	297011
3W LED	4500 K	290 lm	25°,40°	297012
3W LED	6000 K	296 lm	25°,40°	297013

MARATHON LED DOWNLIGHT

Class II IP65 IK10

Available in any
of these RAL colors



Body

Die cast aluminium designed to be heat sink

Cover

Die cast aluminium RAL9002 (available in other RAL colors as well as chrome or gold on request)

Diffuser

Clear of frosted tempered Glass

Springs

Stainless steel for mounting in ceilings or 1-25 mm (with plastic covers for the Marathon 2 Downlight)

Cable

0.5 m exiting top of fixture

Gear

Non-Dimmable electronic LED driver (1-10V Dimmable and DALI drivers available on request)

COB LED (350-500 mA)

Led : COB LED (350-500mA)

Reflector : 10°, 23°, 38° Aluminium-Coated Polycarbonate Reflector

Diffuser : Clear Glass 8 mm (Frosted Glass on request)

Gear : 240V Non-Dimmable Driver

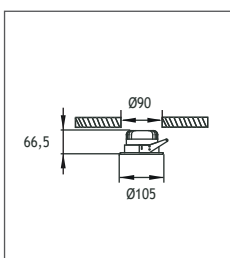
(1-10V Dimmable Driver & DALI Driver available on request)

Springs : Plastic covered Stainless Steel for mounting in ceilings of 1-25 mm

Cable : 0,5 m 2x0,75 mm H03 VV-F

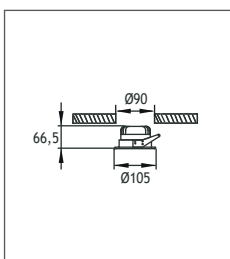
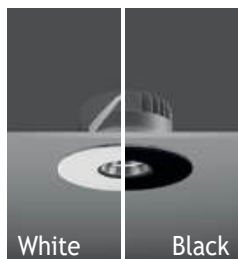


MARATHON 2



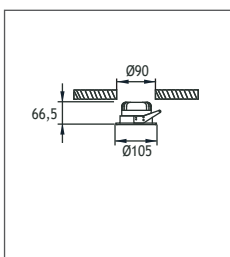
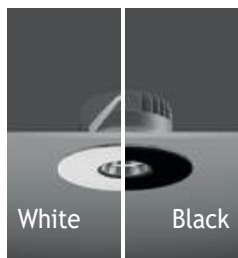
Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	10°,23°,38°	260101
11W LED	3000 K	1045 lm	10°,23°,38°	260102
11W LED	4000 K	1065 lm	10°,23°,38°	260103
18W LED	2700 K	1710 lm	10°,23°,38°	260113
18W LED	3000 K	1710 lm	10°,23°,38°	260111
18W LED	4000 K	1779 lm	10°,23°,38°	260112

MARATHON 2 GLASS



Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	10°,23°,38°	263001
11W LED	3000 K	1045 lm	10°,23°,38°	263002
11W LED	4000 K	1065 lm	10°,23°,38°	263003
18W LED	2700 K	1710 lm	10°,23°,38°	263011
18W LED	3000 K	1710 lm	10°,23°,38°	263012
18W LED	4000 K	1744 lm	10°,23°,38°	263013

MARATHON 2 GLASS



Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	10°,23°,38°	263201
11W LED	3000 K	1045 lm	10°,23°,38°	263202
11W LED	4000 K	1065 lm	10°,23°,38°	263203
18W LED	2700 K	1710 lm	10°,23°,38°	263211
18W LED	3000 K	1710 lm	10°,23°,38°	263212
18W LED	4000 K	1744 lm	10°,23°,38°	263213

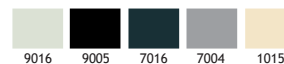


MARATHON

TIR LENS LED DOWNLIGHT

Class II IP65 IK10

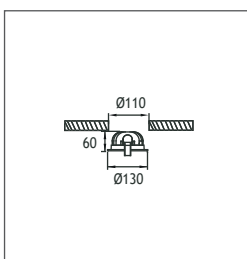
Available in any
of these RAL colors



COB LED (350-700 mA)

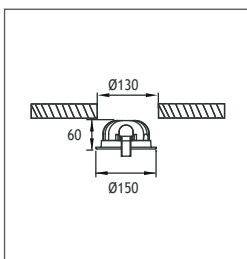
- Lens** : 10°, 20°, 30° Mirror TIR Lens
- Diffuser** : Clear Glass 8 mm (Frosted Glass on request)
- Gear** : 240V Non-Dimmable Driver
(1-10V Dimmable Driver & DALI Driver available on request)
- Springs** : Stainless Steel for mounting in ceilings of 1-25 mm
- Cable** : 0,5 m 2x0,75 mm H03 VV-F

MARATHON 3



Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	10°,20°,30°	261003
11W LED	3000 K	1045 lm	10°,20°,30°	261001
11W LED	4000 K	1065 lm	10°,20°,30°	261002
18W LED	2700 K	1710 lm	10°,20°,30°	261013
18W LED	3000 K	1710 lm	10°,20°,30°	261011
18W LED	4000 K	1779 lm	10°,20°,30°	261012

MARATHON 4



Power	Kelvin	Real Lumen Output	Lens	Code No
25W LED	2700 K	2375 lm	10°,20°,30°	262003
25W LED	3000 K	2375 lm	10°,20°,30°	262001
25W LED	4000 K	2422 lm	10°,20°,30°	262002
32W LED	2700 K	3040 lm	10°,20°,30°	262023
32W LED	3000 K	3040 lm	10°,20°,30°	262021
32W LED	4000 K	3100 lm	10°,20°,30°	262022



DECATHLON

LED DOWNLIGHT

Class III IP65 IK10

Available in any
of these RAL colors



The Decathlon LED Downlight is specially designed to deliver high output LED light to indoors and outdoors using CREE LEDs. This downlight is the choice for lighting applications where high luminous-flux output is required from a single, small point source. The Decathlon is slightly wider and deeper than the Marathon giving a different look to the fixture, but the same output. A combination of high color rendition of over 80, several different color temperatures and several degree reflectors and lenses allow the use in a wide range of applications such as museums, hospitals, hotel rooms, dormitories, corridors, shops, and balconies. The shallow fixture depths allow for installation into most ceilings and applications. Non-dimmable drivers come standard with the Downlights, but 1-10V dimmable and DALI drivers are available on request. An ample heat sink is provided for to allow for the lifetime of L70 = 50,000 hours.

Body

Die cast aluminium designed to be heat sink

Cover

Die cast aluminium RAL9002 (available in other RAL colors as well as chrome or gold on request)

Diffuser

Clear or frosted tempered Glass

Springs

Stainless steel for mounting in ceilings or 1-25 mm (with plastic covers for the Marathon 2 Downlight)

Cable

0.5 m exiting top of fixture

Gear

Non-Dimmable electronic LED driver (1-10V Dimmable and DALI drivers available on request)



LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.



Directional Downlight



Application

These fixtures give a narrow to wide beam asymmetrical light output to walls, paintings, corridors and shop displays. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation on the LEDs that can run up to 700mA.

EMFA



DECATHLON

LED DOWNLIGHT

Class III IP65 IK10

Available in any
of these RAL colors



Symmetrical



Asymmetrical

COB CREE LED (350-700mA)

Reflector : 10°, 23°, 38° Aluminium-Coated Polycarbonate Reflector

Diffuser : Clear Glass 8 mm (Frosted Glass on request)

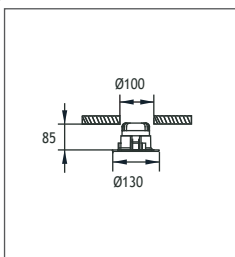
Gear : 240V Non-Dimmable Driver

(1-10V Dimmable Driver & DALI Driver available on request)

Springs : Plastic covered Stainless Steel
for mounting in ceilings of 1-25 mm

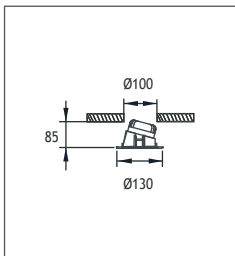
Cable : 0,5 m 2x0,75 mm H03 VV-F

DECATHLON 2 SYMMETRICAL

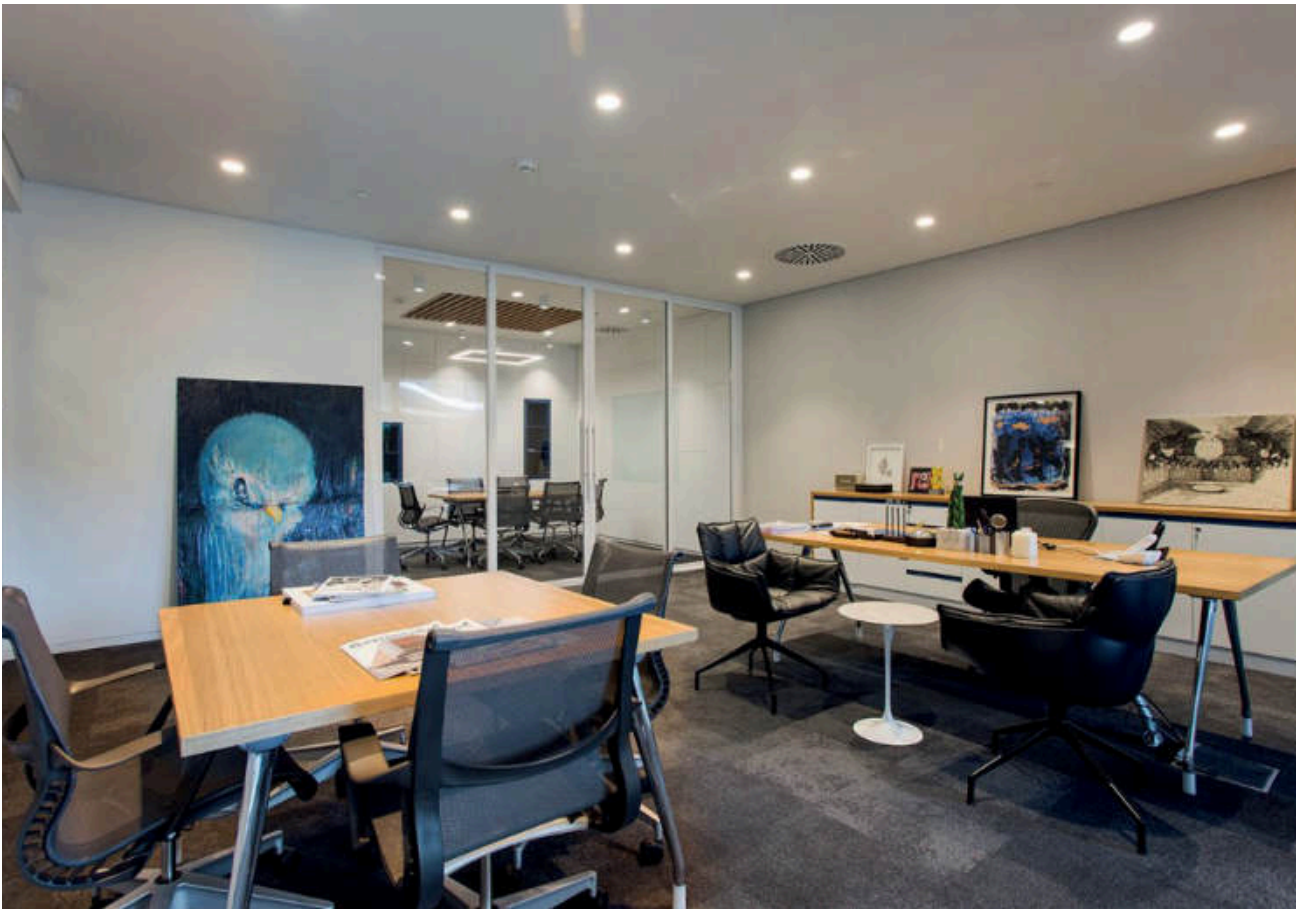


Power	Kelvin	Real Lumen Output	Lens	Code No
13W 350mA	2700 K	1235 lm	10°,23°,38°	260201
13W 350mA	3000 K	1235 lm	10°,23°,38°	260202
13W 350mA	4000 K	1259 lm	10°,23°,38°	260203
18W 500mA	2700 K	1710 lm	10°,23°,38°	260211
18W 500mA	3000 K	1710 lm	10°,23°,38°	260212
18W 500mA	4000 K	1779 lm	10°,23°,38°	260213

DECATHLON 2 ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
13W 350mA	2700 K	1235 lm	10°,23°,38°	260231
13W 350mA	3000 K	1235 lm	10°,23°,38°	260232
13W 350mA	4000 K	1259 lm	10°,23°,38°	260233
18W 500mA	2700 K	1710 lm	10°,23°,38°	260241
18W 500mA	3000 K	1710 lm	10°,23°,38°	260242
18W 500mA	4000 K	1779 lm	10°,23°,38°	260243

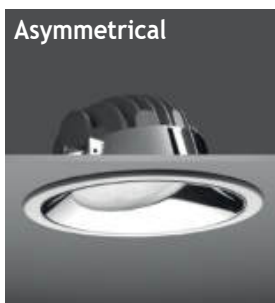


DECATHLON

TIR LENS LED DOWNLIGHT

Class II IP65 IK10

Available in any
of these RAL colors



COB CREE LED (350-700mA)

Reflector : 10°, 20°, 30° Aluminium-Coated Polycarbonate Reflector

Diffuser : Clear Glass 8 mm (Frosted Glass on request)

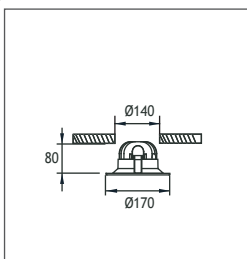
Gear : 240V Non-Dimmable Driver

(1-10V Dimmable Driver & DALI Driver available on request)

Springs : Plastic covered Stainless Steel
for mounting in ceilings of 1-25 mm

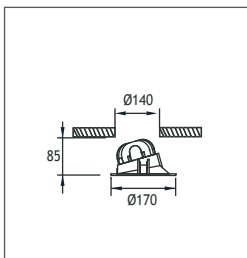
Cable : 0,5 m 2x0,75 mm H03 VV-F

DECATHLON 3 SYMMETRICAL



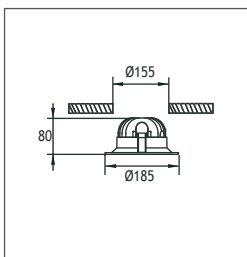
Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	10°,20°,30°	266002
11W LED	3000 K	1045 lm	10°,20°,30°	266001
11W LED	4000 K	1065 lm	10°,20°,30°	266003
18W LED	2700 K	1710 lm	10°,20°,30°	266022
18W LED	3000 K	1710 lm	10°,20°,30°	266021
18W LED	4000 K	1779 lm	10°,20°,30°	266023

DECATHLON 3 ASYMMETRICAL



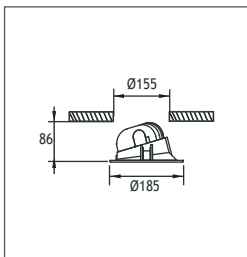
Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	10°,20°,30°	266102
11W LED	3000 K	1045 lm	10°,20°,30°	266101
11W LED	4000 K	1065 lm	10°,20°,30°	266103
18W LED	2700 K	1710 lm	10°,20°,30°	266122
18W LED	3000 K	1710 lm	10°,20°,30°	266121
18W LED	4000 K	1779 lm	10°,20°,30°	266123

DECATHLON 4 SYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
25W LED	2700 K	2375 lm	10°,20°,30°	267002
25W LED	3000 K	2375 lm	10°,20°,30°	267001
25W LED	4000 K	2422 lm	10°,20°,30°	267003
32W LED	2700 K	3040 lm	10°,20°,30°	267022
32W LED	3000 K	3040 lm	10°,20°,30°	267021
32W LED	4000 K	3100 lm	10°,20°,30°	267023

DECATHLON 4 ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Lens	Code No
25W LED	2700 K	2375 lm	10°,20°,30°	267102
25W LED	3000 K	2375 lm	10°,20°,30°	267101
25W LED	4000 K	2422 lm	10°,20°,30°	267103
32W LED	2700 K	3040 lm	10°,20°,30°	267122
32W LED	3000 K	3040 lm	10°,20°,30°	267121
32W LED	4000 K	3100 lm	10°,20°,30°	267123



TRIATHLON

LED DOWNLIGHT Class II IP55 IK08

Available in any
of these RAL colors



The Triathlon LED Downlight is specially designed to provide highest energy efficiency in general lighting applications. Using latest LED technology in combination with special plastic moulding and paint application allows for around 90lm/W lighting output. The highly efficient diffuser provides a completely homogenous light output. The simple installation method allows for easy installation into ceilings from 1-25mm thickness. One can choose from three compact sizes, 120mm, 150mm, and 175mm to achieve the desired lighting level.

Body

Die cast aluminium

Paint

Electrostatic powder paint RAL 9016 (available in other RAL colors)

Diffuser

High efficiency frosted acrylic diffuser with 90° beam angle

Springs

Steel for mounting in ceilings of 1-25mm thickness

Gear

Non-Dimmable electronic LED driver (1-10V Dimmable and DALI drivers available on request)

Cable

0.5m exiting from top of fixture

Downlight

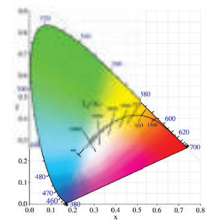


Application

Wide beam symmetrical lighting for general lighting such as museums, hospitals, hotel rooms, dormitories, corridors, shops, and balconies.

“Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 4 standard paint colors, 3 white tones, 3 wattages, and 3 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.

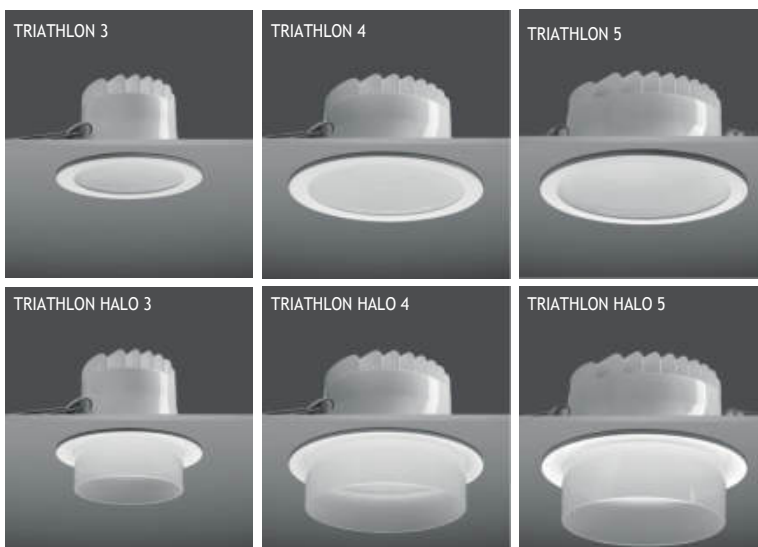


LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA’s laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.



TRIATHLON

LED DOWNLIGHT Class II IP55 IK08

Available in any
of these RAL colors



Osram SMD LEDs; over 110lm/W

Reflector : 90°

Diffuser : High efficiency frosted acrylic diffuser with 90° beam angle

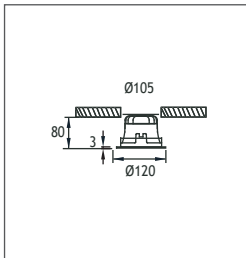
Gear : 240V Non-Dimmable Driver

(1-10V Dimmable Driver & DALI Driver available on request)

Springs : Plastic covered Stainless Steel for mounting in ceilings of 1-25 mm

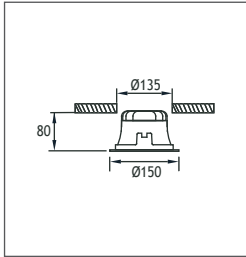
Cable : 0,5 m 2x0,75 mm H03 VV-F

TRIATHLON 3



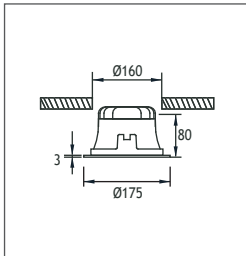
Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	90°	268301
6W LED	3000 K	570 lm	90°	268302
8W LED	2700 K	760 lm	90°	268311
8W LED	3000 K	760 lm	90°	268312
10W LED	2700 K	950 lm	90°	268321
10W LED	3000 K	950 lm	90°	268322

TRIATHLON 4



Power	Kelvin	Real Lumen Output	Lens	Code No
11W LED	2700 K	1045 lm	90°	268401
11W LED	3000 K	1045 lm	90°	268402
16W LED	2700 K	1520 lm	90°	268411
16W LED	3000 K	1520 lm	90°	268412
20W LED	2700 K	1900 lm	90°	268421
20W LED	3000 K	1900 lm	90°	268422

TRIATHLON 5



Power	Kelvin	Real Lumen Output	Lens	Code No
16W LED	2700 K	1520 lm	90°	268501
16W LED	3000 K	1520 lm	90°	268502
24W LED	2700 K	2280 lm	90°	268511
24W LED	3000 K	2280 lm	90°	268512
31W LED	2700 K	2945 lm	90°	268521
31W LED	3000 K	2945 lm	90°	268522
40W LED	2700 K	3800 lm	90°	268531
40W LED	3000 K	3800 lm	90°	268532

TRIATHLON HALO

LED DOWNLIGHT Class II IP55 IK08

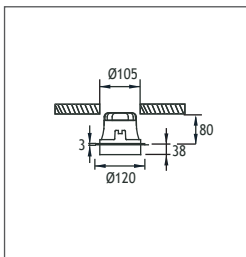
Available in any
of these RAL colors



Osram SMD LEDs

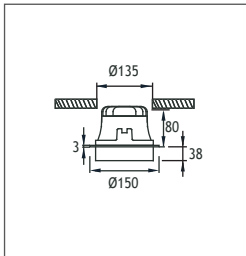
- Reflector** : 90°
- Diffuser** : High efficiency frosted acrylic diffuser with 90° beam angle
- Gear** : 240V Non-Dimmable Driver
(1-10V Dimmable Driver & DALI Driver available on request)
- Springs** : Plastic covered Stainless Steel for mounting in ceilings of 1-25 mm
- Cable** : 0,5 m 2x0,75 mm H03 VV-F

TRIATHLON HALO 3



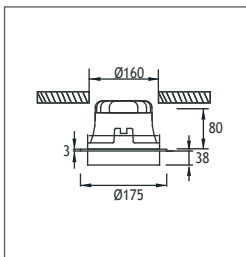
Power	Kelvin	Real Lumen Output	Lens	Code No
6W 350mA	2700 K	570 lm	90°	269301
6W 350mA	3000 K	570 lm	90°	269302
8W 500mA	2700 K	760 lm	90°	269311
8W 500mA	3000 K	760 lm	90°	269312
10W 700mA	2700 K	950 lm	90°	269321
10W 700mA	3000 K	950 lm	90°	269322

TRIATHLON HALO 4



Power	Kelvin	Real Lumen Output	Lens	Code No
11W 350mA	2700 K	1045 lm	90°	269401
11W 350mA	3000 K	1045 lm	90°	269402
16W 500mA	2700 K	1520 lm	90°	269411
16W 500mA	3000 K	1520 lm	90°	269412
20W 700mA	2700 K	1900 lm	90°	269421
20W 700mA	3000 K	1900 lm	90°	269422

TRIATHLON HALO 5



Power	Kelvin	Real Lumen Output	Lens	Code No
16W 350mA	2700 K	1520 lm	90°	269501
16W 350mA	3000 K	1520 lm	90°	269502
24W 500mA	2700 K	2280 lm	90°	269511
24W 500mA	3000 K	2280 lm	90°	269512
31W 700mA	2700 K	2945 lm	90°	269521
31W 700mA	3000 K	2945 lm	90°	269522

RECESSED FIXTURES Downlights (For False Ceiling) Class III IP67 IK10



LED LAMP

Lampholder : Gu4 / Gu10 / E27

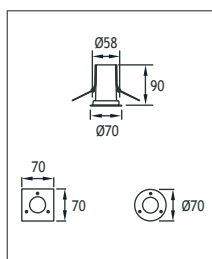
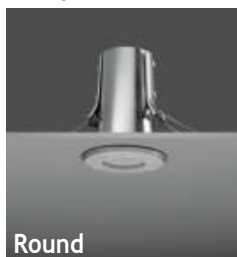
Reflector : -

Diffuser : 6 mm Tempered Glass
(8mm Tempered Glass for BELKIS 5)

Transformer is not included.

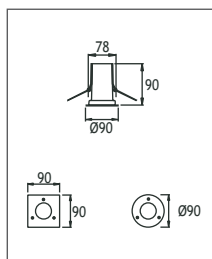
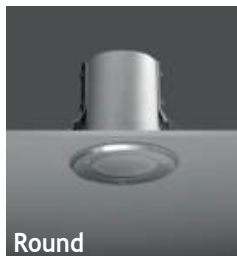
Remote transformer should be used.

BELKIS 1



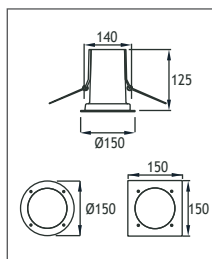
Power	Lampholder	Class	Code No	
			Round	Square
12V Led Lamp	Gu4	I	321101	321201

BELKIS 2



Power	Lampholder	Class	Code No	
			Round	Square
Led Lamp	Gu10	I	323121	323221

BELKIS 5

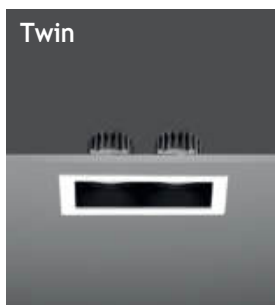
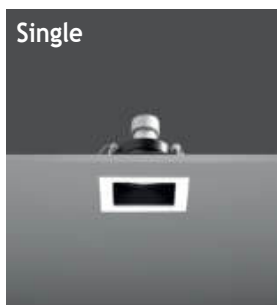
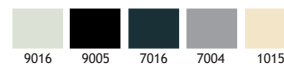


Power	Lampholder	Class	Code No	
			Round	Square
PAR30 Led Lamp	E27	I	325111	325211



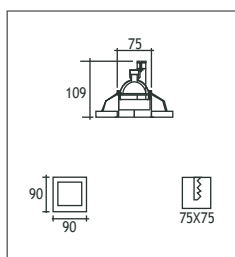
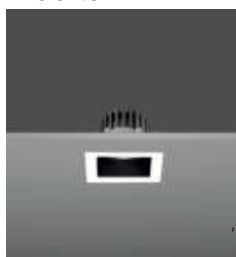
DYO DOWNLIGHT FIXTURES IP20

Available in any
of these RAL colors



COB LED
Class : II
Lampholder : Gu10
Reflector : -
Diffuser : -

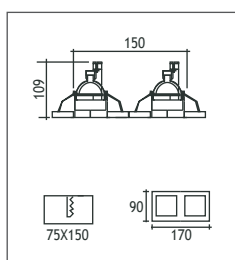
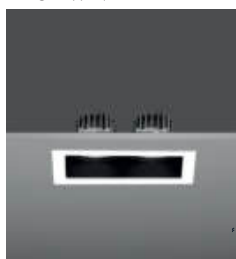
DYO SINGLE



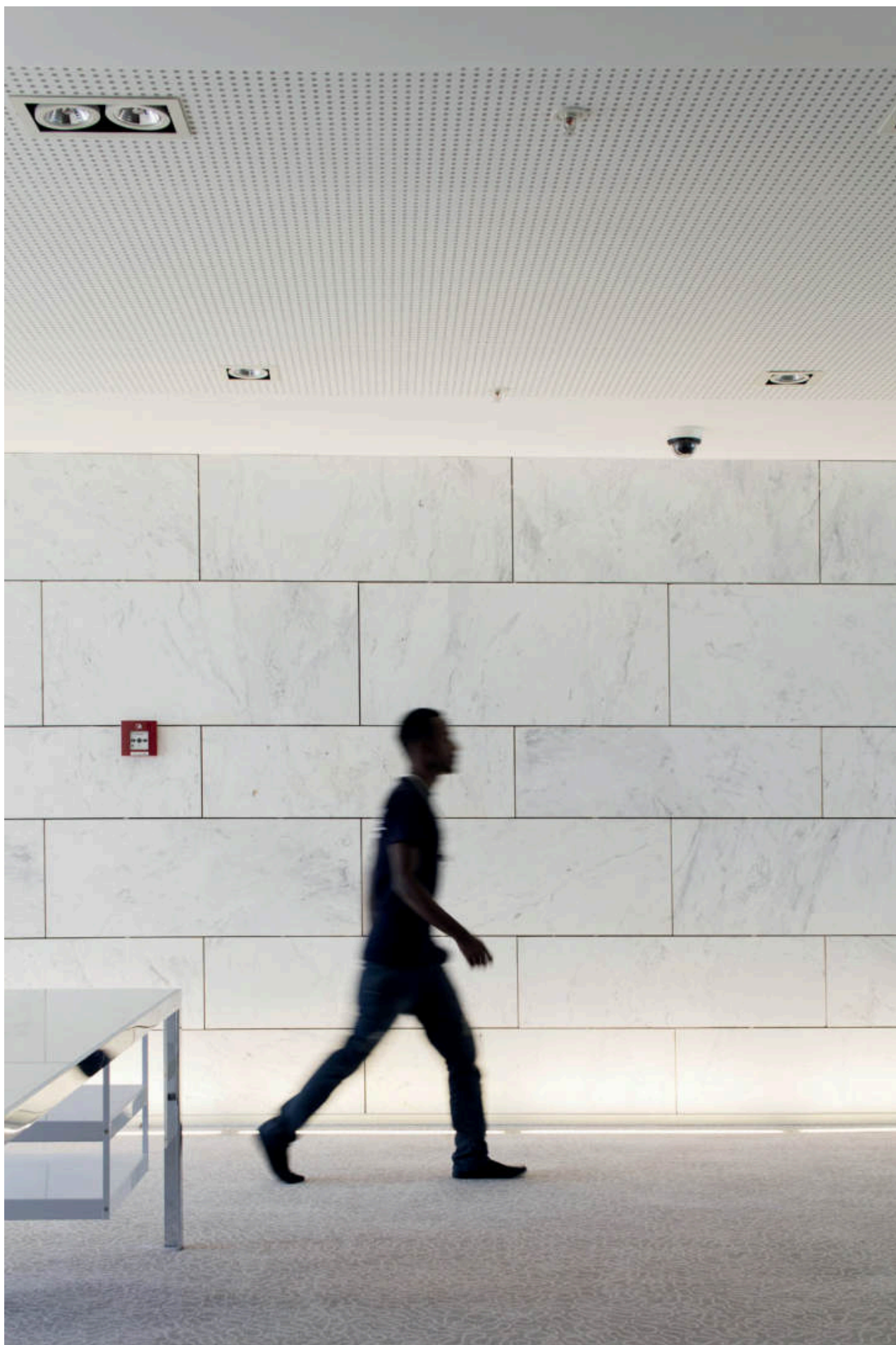
Power	Kelvin	Real Lumen Output	Code No	
			Fixed	Adjustable
6W LED	2700 K	570 lm	133304	133324
6W LED	3000 K	570 lm	133301	133321
6W LED	4000 K	581 lm	133302	133322
6W LED	6000 K	593 lm	133303	133323
8W LED	2700 K	760 lm	133314	133334
8W LED	3000 K	760 lm	133311	133331
8W LED	4000 K	774 lm	133312	133332
8W LED	6000 K	790 lm	133313	133333

Power	Glass	Lampholder	Class	Code No	
				Fixed	Adjustable
Led Lamp	Without Glass	Gu10	II	133111	133131
Led Lamp	With Glass	Gu10	II	133211	133231

DYO TWIN



Power	Kelvin	Real Lumen Output	Code No	
			Fixed	Adjustable
2x6W LED	2700 K	1140 lm	133404	133424
2x6W LED	3000 K	1140 lm	133401	133421
2x6W LED	4000 K	1162 lm	133402	133422
2x6W LED	6000 K	1186 lm	133403	133423
2x8W LED	2700 K	1520 lm	133414	133434
2x8W LED	3000 K	1520 lm	133411	133431
2x8W LED	4000 K	1548 lm	133412	133432
2x8W LED	6000 K	1580 lm	133413	133433



CUNDA / PATARA

RECESSED INDOOR
 CRADLE FIXTURES
 IP20

Outer Frame
 Steel
 Cradle Frame
 Die cast aluminium
 Paint
 Electrostatic powder

Class : I
 Lampholder : E27
 Reflector : -
 Diffuser : -

Patara Single



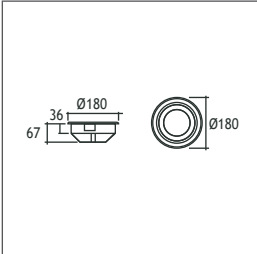
Patara Twin



Cunda

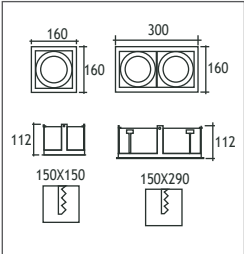


CUNDA ROUND



Power	Lampholder	Class	Code No
PAR30 Led Lamp	E 27	I	419111

PATARA SINGLE 2 x 12V 50W



Power	Lampholder	Class	Code No	
			Round	Square
PAR 30 Led Lamp	E 27	I	420111	420211

MILET HOLE

SPOT DOWNLIGHT IP20

Available in any
of these RAL colors



Body

Aluminium

Frame

Steel

Holding Force

Magnetism, no screws
for easy assembly
and maintenance

Spring

Spiral Inox

Automatically adjustable to the
thickness of false ceiling

Special Feature

Adjustable lamp angle

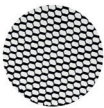


LED

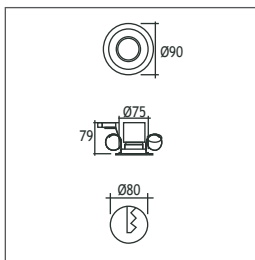
Lampholder : Gu10

Reflector : -

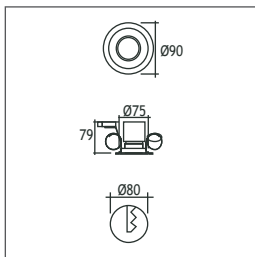
Diffuser : -



HONEYCOMB FOR MILET HOLE SPOT DOWNLIGHT
Code No: 953961



Power	Lampholder	Code No
Led Lamp	Gu10	113401



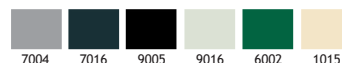
Power	Kelvin	Real Lumen Output	Lens	Code No	
				Fixed	Adjustable
6W LED	2700 K	570 lm	10°, 38°, 60°	113424	113444
6W LED	3000 K	570 lm	10°, 38°, 60°	113421	113441
6W LED	4000 K	581 lm	10°, 38°, 60°	113422	113442
6W LED	6000 K	593 lm	10°, 38°, 60°	113423	113443
8W LED	2700 K	760 lm	10°, 38°, 60°	113434	113454
8W LED	3000 K	760 lm	10°, 38°, 60°	113431	113451
8W LED	4000 K	774 lm	10°, 38°, 60°	113432	113452
8W LED	6000 K	790 lm	10°, 38°, 60°	113433	113453



SQUARE

SURFACE MOUNTED CEILING FIXTURES Class I IP65

Available in any
of these RAL colors



Body

Die cast aluminium

Paint

Electrostatic powder

Bracket

Die cast aluminium

Diffusers

Tempered glass or acrylic

Gaskets

Silicone

Connection

IP connection box



COB or Power LEDs



SQUARE DOM LED



SQUARE

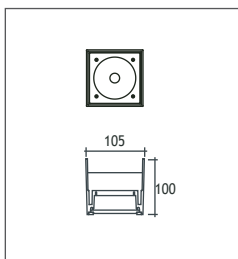
COB LED or Power LEDs

Voltage : 240V A.C with integrated Driver
(24V AC or DC on request)

Diffuser : Acrylic / Clear Glass 8 mm (Frosted Glass on request)

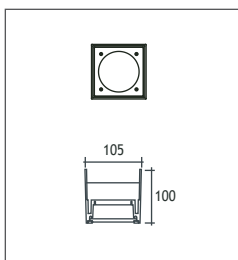
Cable : Potted 5 m 3x0,75 mm H03 VV-F

SQUARE DOT



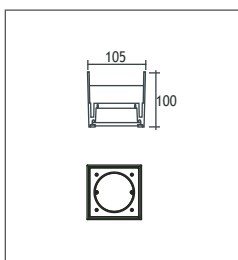
Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	289043
6W LED	3000 K	570 lm	289041
6W LED	4000 K	581 lm	289042
11W LED	2700 K	1045 lm	289003
11W LED	3000 K	1045 lm	289001
11W LED	4000 K	1065 lm	289002

SQUARE DIFFUSE GLASS



Power	Kelvin	Real Lumen Output	Code No
6W LED	2700 K	570 lm	289013
6W LED	3000 K	570 lm	289011
6W LED	4000 K	581 lm	289012
11W LED	2700 K	1045 lm	289053
11W LED	3000 K	1045 lm	289051
11W LED	4000 K	1065 lm	289052

SQUARE



Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°	289024
6W LED	3000 K	570 lm	10°,25°,40°	289021
6W LED	4000 K	581 lm	10°,25°,40°	289022
6W LED	6000 K	593 lm	10°,25°,40°	289023
11W LED	2700 K	1045 lm	10°,20°,30°	289031
11W LED	3000 K	1045 lm	10°,20°,30°	289032
11W LED	4000 K	1065 lm	10°,20°,30°	289033
11W LED	6000 K	1088 lm	10°,20°,30°	289034

MARATHON 2 GLASS

SURFACE MOUNTED CEILING FIXTURES Class I IP65

Glass available in these
pastel colors



Body

Die cast aluminium

Paint

Electrostatic powder

Bracket

Die cast aluminium

Diffusers

Tempered glass

Gaskets

Silicone

Connection

IP connection box



COB LED (350-500mA)

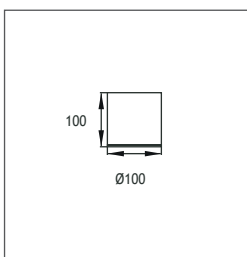
Reflector : 10°, 23°, 38° Aluminium-Coated Polycarbonate Reflector

Diffuser : Clear Glass 8 mm (Frosted Glass on request)

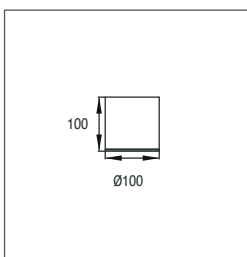
Gear : 240V Non-Dimmable Driver
(1-10V Dimmable Driver & DALI Driver available on request)

Springs : Plastic covered Stainless Steel for mounting in ceilings of 1-25 mm

Cable : 0,5 m 2x0,75 mm H03 VV-F



Power	Kelvin	Real Lumen Output	Lens	Code No
3W LED	2700 K	285 lm	10°,23°,38°	260301
3W LED	3000 K	285 lm	10°,23°,38°	260302
3W LED	4000 K	290 lm	10°,23°,38°	260303
11W LED	2700 K	1045 lm	10°,23°,38°	260333
11W LED	3000 K	1045 lm	10°,23°,38°	260331
11W LED	4000 K	1065 lm	10°,23°,38°	260332

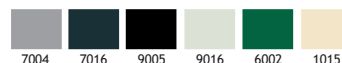


Power	Kelvin	Real Lumen Output	Lens	Code No
3W LED	2700 K	285 lm	10°,23°,38°	260402
3W LED	3000 K	285 lm	10°,23°,38°	260401
3W LED	4000 K	290 lm	10°,23°,38°	260403
11W LED	2700 K	1045 lm	10°,23°,38°	260433
11W LED	3000 K	1045 lm	10°,23°,38°	260431
11W LED	4000 K	1065 lm	10°,23°,38°	260432

DECATHLON 3

SURFACE MOUNTED CEILING FIXTURES Class I IP55

Available in any
of these RAL colors



Body

Die cast aluminium

Paint

Electrostatic powder

Bracket

Die cast aluminium

Diffusers

Tempered glass

Gaskets

Silicone

Connection

IP connection box



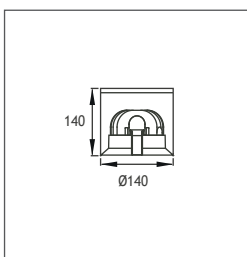
POWER LED

Voltage : 240V A.C with integrated Driver
(24V AC or DC on request)

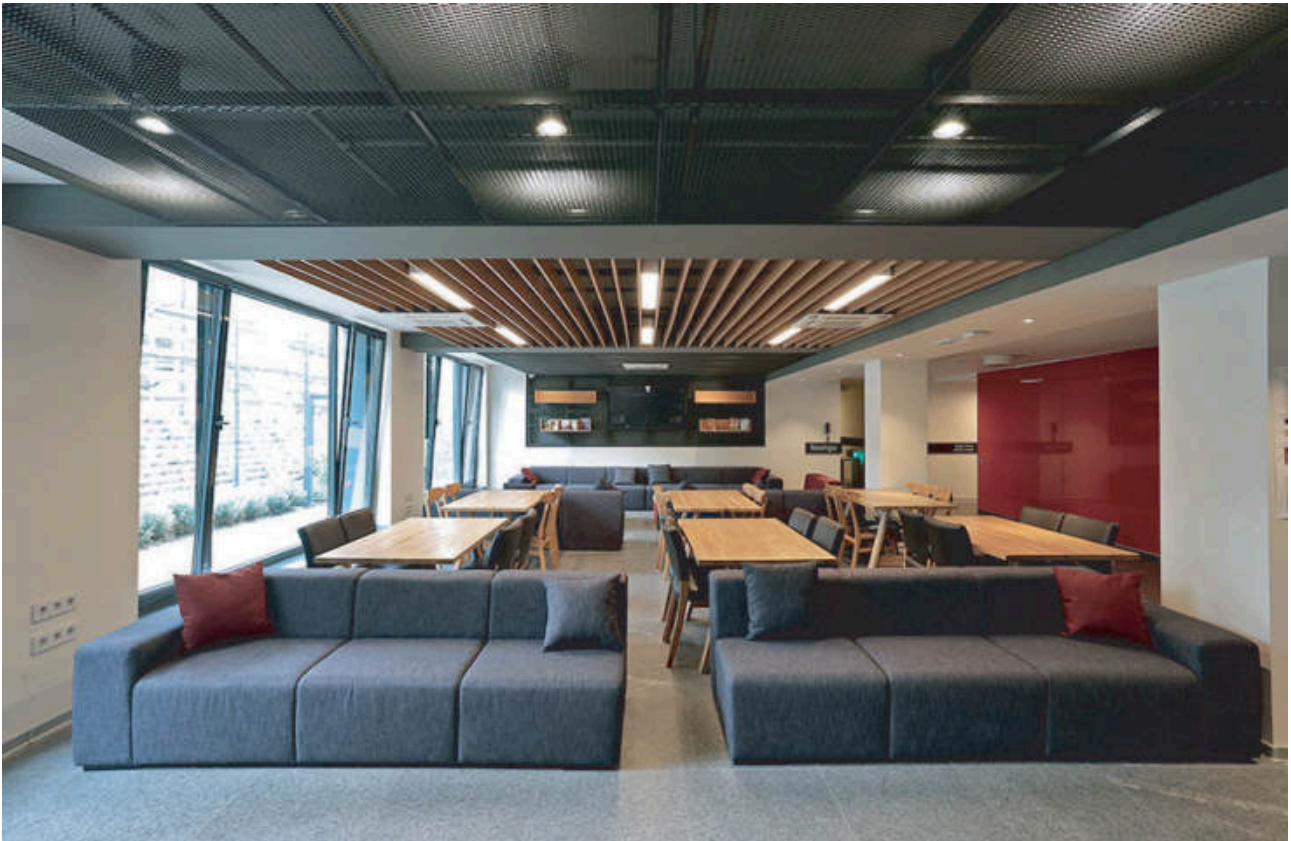
Lens : 10°, 25°, 40°

Diffuser : Clear Glass with painted circumference 8 mm
(Frosted Glass on request)

Cable : Potted 5 m 3x0,75 H03 VV-F



Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°	266204
6W LED	3000 K	570 lm	10°,25°,40°	266201
6W LED	4500 K	581 lm	10°,25°,40°	266202
6W LED	6000 K	612 lm	10°,25°,40°	266203
12W LED	2700 K	1140 lm	10°,25°,40°	266304
12W LED	3000 K	1140 lm	10°,25°,40°	266301
12W LED	4500 K	1162 lm	10°,25°,40°	266302
12W LED	6000 K	1224 lm	10°,25°,40°	266303

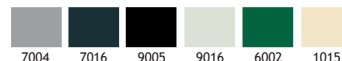


BELKIS 2

SURFACE MOUNTED CEILING FIXTURES

Class I IP65

Available in any
of these RAL colors



Body

Die cast aluminium

Paint

Electrostatic powder

Bracket

Die cast aluminium

Diffusers

Tempered glass

Gaskets

Silicone

Connection

IP connection box

COB LED

Voltage : 240V A.C with integrated Driver
(24V AC or DC on request)

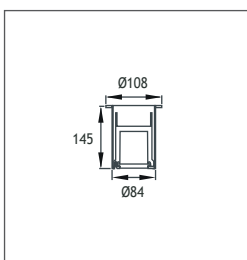
Lens : 10°, 25°, 40°

Diffuser : Clear Glass with painted circumference 8 mm
(Frosted Glass on request)

Cable : Potted 5 m 3x0,75 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red



Power	Kelvin	Real Lumen Output	Lens	Code No
3W LED	2700 K	285 lm	10°,25°,40°	435004
3W LED	3000 K	285 lm	10°,25°,40°	435001
3W LED	4500 K	290 lm	10°,25°,40°	435002
3W LED	6000 K	296 lm	10°,25°,40°	435003
9W LED	2700 K	855 lm	10°,25°,40°	435014
9W LED	3000 K	855 lm	10°,25°,40°	435011
9W LED	4500 K	872 lm	10°,25°,40°	435012
9W LED	6000 K	890 lm	10°,25°,40°	435013

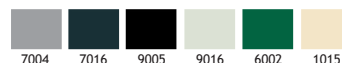


BELKIS

SURFACE MOUNTED CEILING FIXTURES

Class I IP44

Available in any
of these RAL colors



POWER LED, LED LAMP or METAL HALIDE

Voltage : 240V A.C with integrated Driver (24V AC or DC on request)

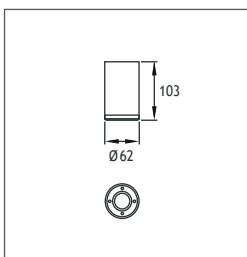
Lens : 10°, 20°, 25°, 30°, 40°

Diffuser : 4mm Frosted Glass for LED LAMP
Clear Glass with painted circumference 8 mm

Lampholder : G9, Gu10, E27, G12

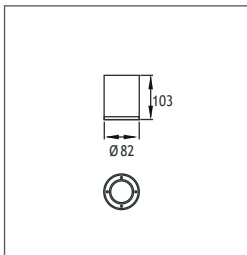
Cable : Potted 5 m 3x0,75 H03 VV-F

BELKIS 1



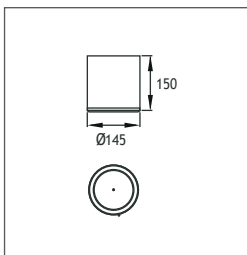
Power	Kelvin	Real Lumen Output	Lens	Code No
3W LED	2700 K	285 lm	10°,25°,40°	427004
3W LED	3000 K	285 lm	10°,25°,40°	427001
3W LED	4500 K	290 lm	10°,25°,40°	427002
3W LED	6000 K	296 lm	10°,25°,40°	427003
LED LAMP	G9			335101

BELKIS 2



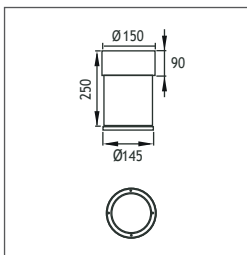
Power	Kelvin	Real Lumen Output	Lens	Code No
6W COB LED	2700 K	570 lm	10°,20°,30°	427104
6W COB LED	3000 K	570 lm	10°,20°,30°	427101
6W COB LED	4500 K	581 lm	10°,20°,30°	427102
6W COB LED	6000 K	593 lm	10°,20°,30°	427103
LED LAMP	Gu10			336111

BELKIS 5



Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°	427204
6W LED	3000 K	570 lm	10°,25°,40°	427201
6W LED	4500 K	581 lm	10°,25°,40°	427202
6W LED	6000 K	593 lm	10°,25°,40°	427203
9W LED	2700 K	855 lm	10°,25°,40°	427214
9W LED	3000 K	855 lm	10°,25°,40°	427211
9W LED	4500 K	872 lm	10°,25°,40°	427212
9W LED	6000 K	890 lm	10°,25°,40°	427213
LED LAMP	E27			337121

BELKIS 5 METAL HALIDE

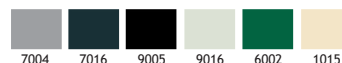


Power	Lampholder	Code No
35W/70W METAL HALIDE	G12	337131

BELKIS

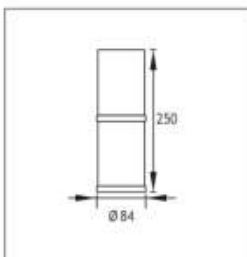
SURFACE MOUNTED CEILING FIXTURES Class I IP44

Available in any
of these RAL colors



Voltage : 240V A.C with integrated Driver
(24V AC or DC on request)
Diffuser : Acrylic Pipe
Cable : Potted 5 m 3x0,75 H03 VV-F
Lampholder : Gu10

BELKIS 2



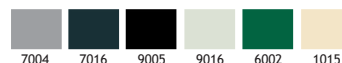
Power	Lampholder	Code No
Led Lamp	Gu10	293111

BELKIS

RECESSED CEILING FIXTURES

Class I IP44

Available in any
of these RAL colors



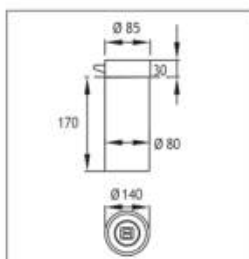
Voltage : 240V A.C with integrated Driver
(24V AC or DC on request)

Diffuser : Acrylic Pipe

Cable : Potted 5 m 3x0,75 H03 VV-F

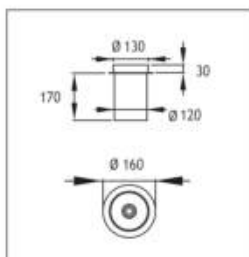
Lampholder : Gu10 / E27 / G12

BELKIS 2



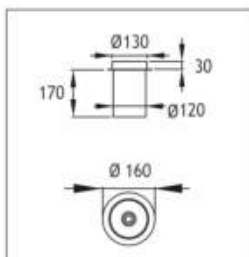
Power	Lampholder	Code No
Led Lamp	Gu10	296111

BELKIS 5

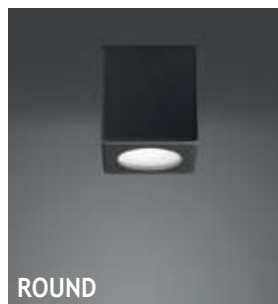


Power	Lampholder	Code No
Led Lamp	E27	296121

BELKIS 5



Power	Lampholder	Code No
Led Lamp	G12	296131



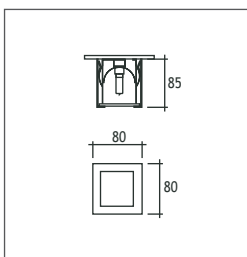
Voltage : 240V A.C with integrated Driver
(24V AC or DC on request)

Reflector : Symmetrical

Cable : Potted 5 m 3x0,75 H03 VV-F

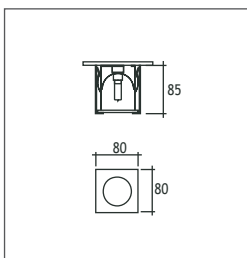
Lampholder : G9 / Gu10

SQUARE



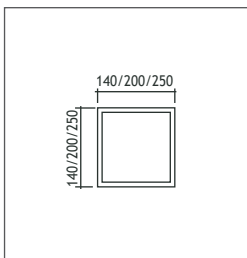
Power	Lampholder	Code No
Led Lamp	G9	360111
Led Lamp	Gu10	360121

ROUND



Power	Lampholder	Code No
Led Lamp	G9	360211
Led Lamp	Gu10	360221

FROSTED GLASS



Power	Lampholder	Code No
Led Lamp	G9	363111