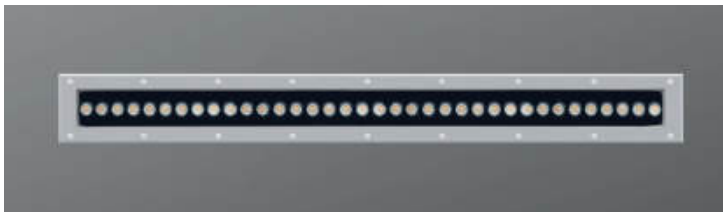
MIRA 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK10

The Mira series consists of a range of LED sources to deliver the desired light effect to facades, columns, bridges, monuments, and signs. The series is made of a die cast aluminium body with electrostatic powder paint finished with a 316L stainless steel cover. The recessed versions are for Walk over up to 20 kN including a stainless steel recessing box. The surface mounted versions come with a heavy-duty 316L stainless steel bracket. The fixtures come with integrated electronic ballasts and a specially developed potted power cable to effectively bond with the cast resin and stop any water ingress. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 40 degrees are available to choose from to achieve the desired light effect.





Cover
316L Stainless steel
Body
Die cast aluminium
Diffusers
12 mm Tempered Glass
Gaskets
Silicone
Screws
316L Stainless Steel
Recessing Box
Steel

“Customization” is EMFA’s standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 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.

MIRA 5

RECESSED WALK OVER FIXTURES
Class I IP67 IK10



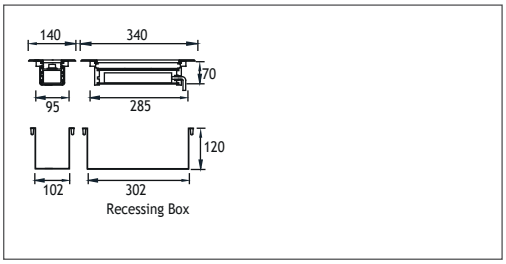
Led : Power LEDs
Voltage : 240 VAC with integrated driver (12-24 VDC on request)
Diffuser : 12mm Tempered Glass
Mac Adam : 3
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red



340mm

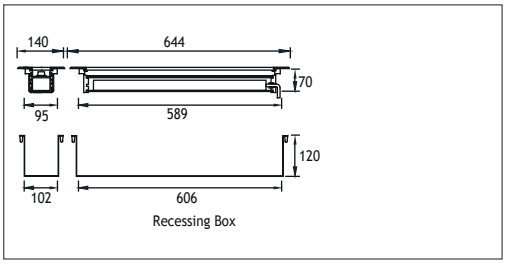




Power	Kelvin	Real Lumen Output	Lens	Code No
9W	2700 K	855 lm	10°,25°,40°	441005
9W	3000 K	855 lm	10°,25°,40°	441001
9W	4000 K	872 lm	10°,25°,40°	441002
9W	6000 K	890 lm	10°,25°,40°	441003
27W	RGB		25°,40°	441004

644mm

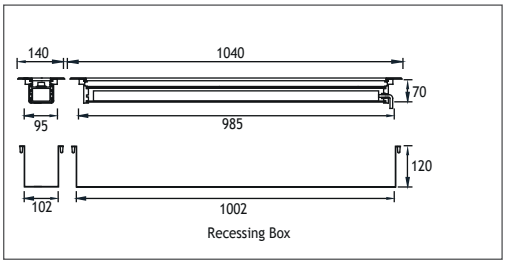




Power	Kelvin	Real Lumen Output	Lens	Code No
18W	2700 K	1710 lm	10°,25°,40°	441105
18W	3000 K	1710 lm	10°,25°,40°	441101
18W	4000 K	1744 lm	10°,25°,40°	441102
18W	6000 K	1779 lm	10°,25°,40°	441103
54W	RGB		25°,40°	441104

1040mm

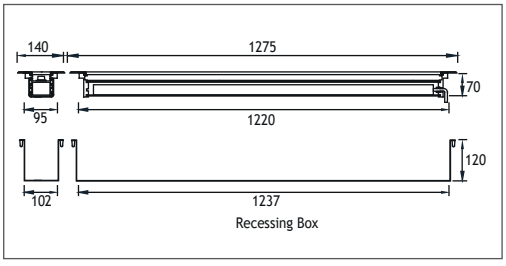




Power	Kelvin	Real Lumen Output	Lens	Code No
36W	2700 K	3420 lm	10°,25°,40°	441205
36W	3000 K	3420 lm	10°,25°,40°	441201
36W	4000 K	3488 lm	10°,25°,40°	441202
36W	6000 K	3557 lm	10°,25°,40°	441203
81W	RGB		25°,40°	441204

1275mm





Power	Kelvin	Real Lumen Output	Lens	Code No
45W	2700 K	4275 lm	10°,25°,40°	441304
45W	3000 K	4275 lm	10°,25°,40°	441301
45W	4000 K	4360 lm	10°,25°,40°	441302
45W	6000 K	4360 lm	10°,25°,40	441303



MILET ANI

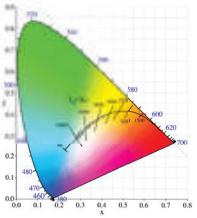
RECESSED WALK OVER FIXTURES
Class I IP67 IK10

EMFA's Ani step mounted series is specially designed to deliver low-glare lighting to facades, columns, monuments, and trees with minimal installation depth and narrow trim. The fixture is made of a combination of 316L stainless steel and die cast aluminium. The tilted design reduces the glare of the LEDs. The Linear LEDs with special lenses give excellent wallwashing effect. An anti-slip glass is available upon request.

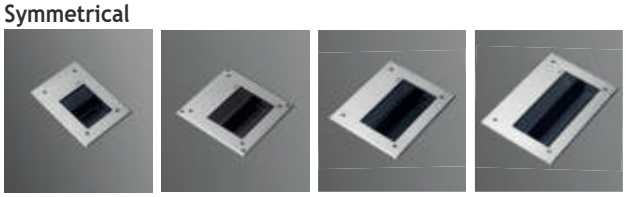


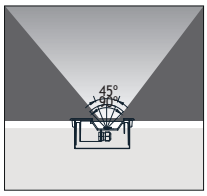
Cover
316L Stainless steel
Body
Die cast aluminium
Gaskets
Silicone
Diffusers
8 mm Tempered Glass
Screws
316L Stainless Steel

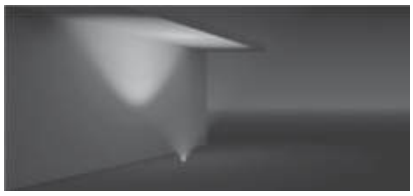
"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, and 2 wattages, are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.

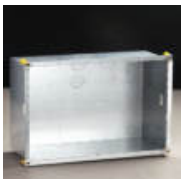


Symmetrical



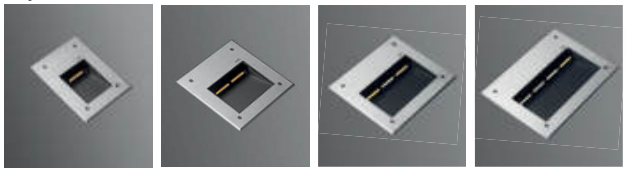


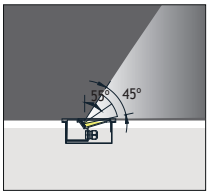


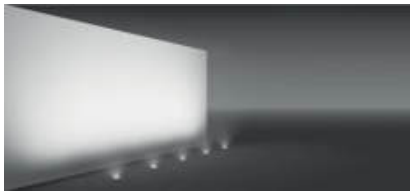


Galvanized Recessing Box

Asymmetrical







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.

Asym. Glass



Trenched Glass



Milky Glass



Clear Glass



MILET ANI

RECESSED WALK OVER FIXTURES
Class I IP67 IK10



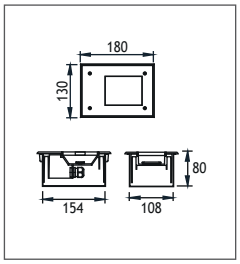


Led : Linear LEDs
Voltage : 240 VAC with integrated driver (12-24 VDC on request)
Diffuser : 8mm Tempered Glass
Beam Angle : 45° / 60° / 90°
Mac Adam : 3
CRI : >80
Cable : Potted 1m 3x1 H03 VV-F

ANI 1

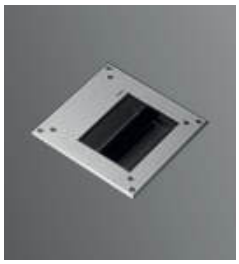




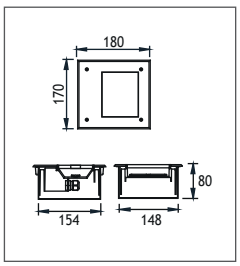


Power	Kelvin	Real Lumen Output	Code No Symmetrical	Code No Asymmetrical
6W	2700 K	570 lm	451003	451503
6W	3000 K	570 lm	451001	451501
6W	4000 K	581 lm	451002	451502
12W	2700 K	1140 lm	451013	451513
12W	3000 K	1140 lm	451011	451511
12W	4000 K	1195 lm	451012	451512

ANI 2

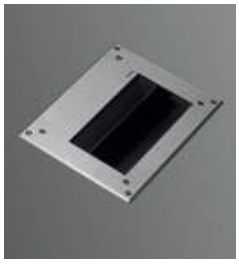




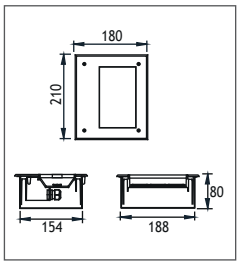


Power	Kelvin	Real Lumen Output	Code No Symmetrical	Code No Asymmetrical
6W	2700 K	570 lm	451103	451603
6W	3000 K	570 lm	451101	451601
6W	4000 K	581 lm	451102	451602
12W	2700 K	1140 lm	451113	451613
12W	3000 K	1140 lm	451111	451611
12W	4000 K	1195 lm	451112	451612

ANI 3





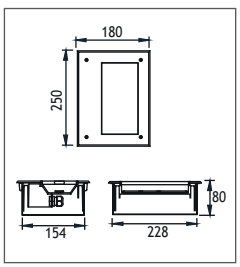


Power	Kelvin	Real Lumen Output	Code No Symmetrical	Code No Asymmetrical
12W	2700 K	1140 lm	451203	451703
12W	3000 K	1140 lm	451201	451701
12W	4000 K	1195 lm	451202	451702
24W	2700 K	2280 lm	451213	451713
24W	3000 K	2280 lm	451211	451711
24W	4000 K	2320 lm	451212	451712

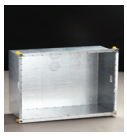
ANI 4







Power	Kelvin	Real Lumen Output	Code No Symmetrical	Code No Asymmetrical
24W	2700 K	2280 lm	451321	451821
24W	3000 K	2280 lm	451331	451831
24W	4000 K	2320 lm	451301	451801
36W	2700 K	3420 lm	451311	451811
36W	3000 K	3420 lm	451302	451802
36W	4000 K	3520 lm	451312	451812



Galvanized Recessing Box

EMFA

ASSOS 6

RECESSED WALK OVER FIXTURES
Class I IP67 IK10

Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request

EMFA's Assos 6 Alum series is specially designed to light trees and bushes where drive over is not required. The fixture can be equipped with metal halide or fluorescent lamps. The fixture is made of die cast aluminium and allows for IP67 and IK10. The fixture comes with a polyamide recessing tube for easy mounting in the ground or concrete. A louvre can be ordered separately to reduce the glare of the lamps. An anti-slip glass is available upon request.



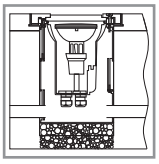






Cover
Die cast aluminium
Body
Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box.
Gaskets
Silicone
Diffusers
15 mm Tempered Glass (Aluminium Cover)
Screws
316L Stainless steel
Glands
2 x PG 13.5
Recessing Tube
Polyamide 6

Mounting Features

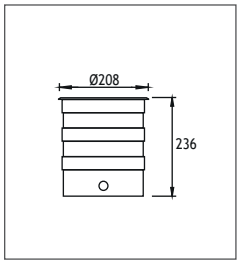


Provide at least 30 cm of drainage gravel to avoid the accumulation of water under the fixture.
To make the fixture drive over, the recessing tube should be mounted flush to the ground.

LED LAMP





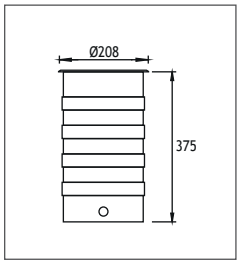


Power	Lampholder	Code No Inox
PAR30 Led Lamp	E27 Adjustable	211361

METAL HALIDE







Power	Lampholder	Code No Inox
35W METAL HALIDE	Gx8.5 Adjustable	211271
35W METAL HALIDE	G 12 Adjustable	211241
70W METAL HALIDE	Gx8.5 Adjustable	211201
70W METAL HALIDE	G 12 Adjustable	211211
150W METAL HALIDE	G 12 Adjustable	211221

MILET

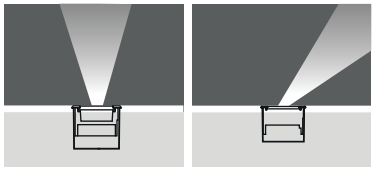
RECESSED WALK OVER FIXTURES
IP67 IK10

The Milet Recessed series consists of a range of LED sources to deliver the desired light effect to facades, columns, bridges, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. For the LED versions, a specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. Alternatively, a PG9 cable gland allows for a secure connection of the on-site cable. A polycarbonate recessing box is included for installation into concrete or the ground. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 40 degrees are available to choose from to achieve the desired light effect.

Asymmetric LEDs
In this catalogue EMFA is introducing the tilted LED fixtures. These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 350mA.



Cover
316L Stainless Steel
Body
Die cast aluminium
Recessing Box
Polycarbonate
Glands
1 x PG 9
Gaskets
Silicone
Diffusers
12 mm Tempered Glass



Symmetrical Asymmetrical

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.

"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, and 5 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.
Anti-theft Screws

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.

MILET

RECESSED WALK OVER FIXTURES
IP67 IK10

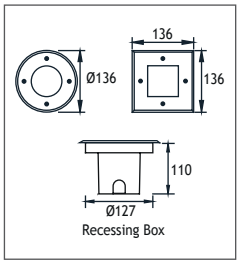



Voltage : 240 V A.C with integrated driver (24V AC or DC on request)
Diffuser : 12mm Clear Glass (Frosted Glass)
Mac Adam : 3
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

LED

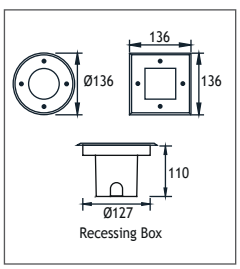




Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
4W	2700 K	380 lm	10°,25°,40°	425202	425212
4W	3000 K	380 lm	10°,25°,40°	425201	425211
4W	4000 K	387 lm	10°,25°,40°	425206	425216
4W	6000 K	395 lm	10°,25°,40°	425207	425217

LED LAMP

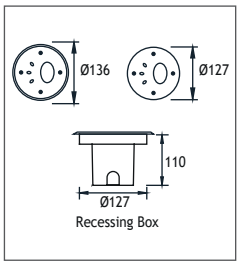




Power	Lampholder	Code No Round	Square
Led Lamp	G 9	317121	316121
Led Lamp	Gu10	317131	316131

LED LAMP





Power	Lampholder	Code No Step	Flush
Led Lamp	Gu4 12V	319101	319201


RIXOS

BIRGI RECESSED WALK OVER FIXTURES
Class I IP67 IK08

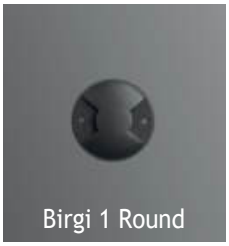
EMFA's Birgi series is specially designed to light pathways, roads, and gardens. The fixture can be equipped with LED. The fixture has 3 different options of cover: Multi, Mono and Dual to give different lighting effects. In combination with the die cast aluminium body, the fixture allows for IP67 and IK08. The fixture comes with a polyamide recessing tube for easy mounting in the ground or concrete.



Asymmetrical LEDs
These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

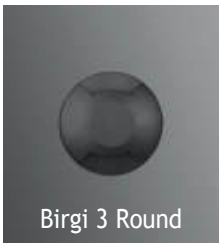
Cover
Die cast aluminium
Body
Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box.
Gaskets
Silicone
Diffusers
Tempered press glass or polycarbonate
Screws
316L Stainless steel
Recessing Tube
Aluminium


Birgi 1 Square


Birgi 1 Round

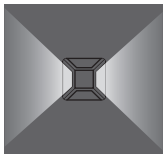

Birgi 2 Square

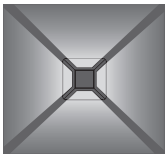

Birgi 3 Square

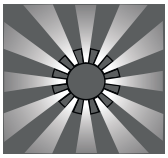

Birgi 3 Round

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.

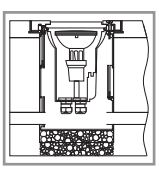

Mono


Dual


Quad


Multi

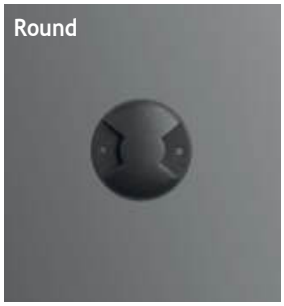
Mounting Features

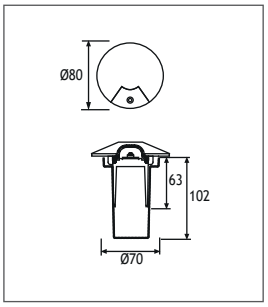


Provide at least 30 cm of drainage gravel to avoid the accumulation of water under the fixture.
To make the fixture drive over, the recessing tube should be mounted flush to the ground.

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.

BIRGI 1 RECESSED WALK OVER FIXTURES
Class I IP67 IK08



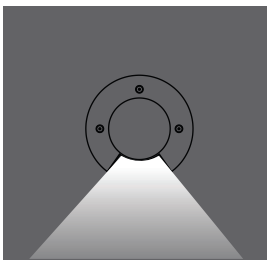


Voltage : 240 VAC with integrated driver (12-24 VDC on request)
Diffuser : Polycarbonate
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F
Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request

Single color LED options upon request are ;
Blue Amber Green Red

Mono

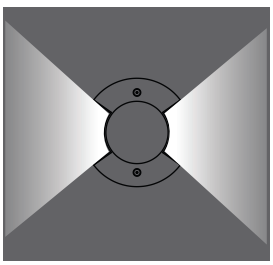




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	471004
1W LED	3000 K	95 lm	471001
1W LED	4000 K	97 lm	471002
1W LED	6000 K	99 lm	471003
3W LED	2700 K	285 lm	471014
3W LED	3000 K	285 lm	471011
3W LED	4000 K	290 lm	471012
3W LED	6000 K	296 lm	471013

Dual

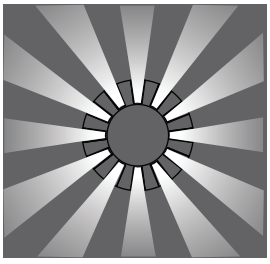




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	471104
1W LED	3000 K	95 lm	471101
1W LED	4000 K	97 lm	471102
1W LED	6000 K	99 lm	471103
3W LED	2700 K	285 lm	471114
3W LED	3000 K	285 lm	471111
3W LED	4000 K	290 lm	471112
3W LED	6000 K	296 lm	471113

Multi

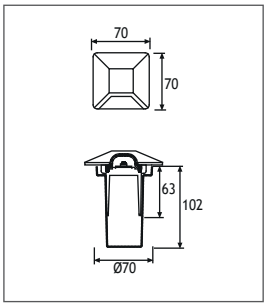




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	471204
1W LED	3000 K	95 lm	471201
1W LED	4000 K	97 lm	471202
1W LED	6000 K	99 lm	471203
3W LED	2700 K	285 lm	471214
3W LED	3000 K	285 lm	471211
3W LED	4000 K	290 lm	471212
3W LED	6000 K	296 lm	471213

BIRGI 1 RECESSED WALK OVER FIXTURES
Class I IP67 IK08



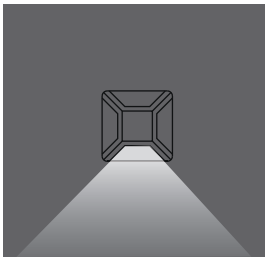


Voltage : 240 VAC with integrated driver (12-24 VDC on request)
Diffuser : Polycarbonate
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F
Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request

Single color LED options upon request are ;
Blue Amber Green Red

Mono

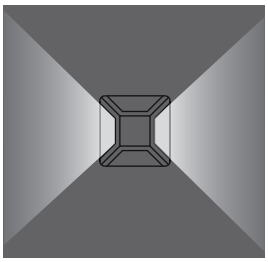




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	470004
1W LED	3000 K	95 lm	470001
1W LED	4000 K	97 lm	470002
1W LED	6000 K	99 lm	470003
3W LED	2700 K	285 lm	470014
3W LED	3000 K	285 lm	470011
3W LED	4000 K	290 lm	470012
3W LED	6000 K	296 lm	470013

Dual

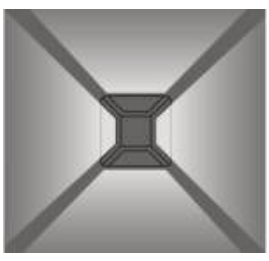




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	470104
1W LED	3000 K	95 lm	470101
1W LED	4000 K	97 lm	470102
1W LED	6000 K	99 lm	470103
3W LED	2700 K	285 lm	470114
3W LED	3000 K	285 lm	470111
3W LED	4000 K	290 lm	470112
3W LED	6000 K	296 lm	470113

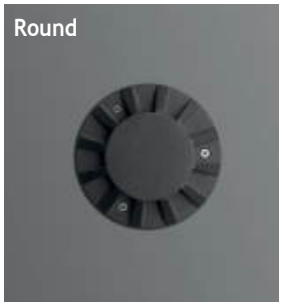
Quad

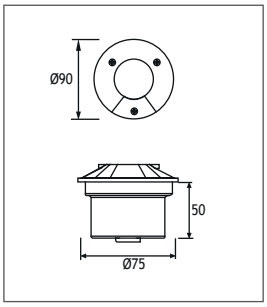




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	470204
1W LED	3000 K	95 lm	470201
1W LED	4000 K	97 lm	470202
1W LED	6000 K	99 lm	470203
3W LED	2700 K	285 lm	470214
3W LED	3000 K	285 lm	470211
3W LED	4000 K	290 lm	470212
3W LED	6000 K	296 lm	470213

BIRGI 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08



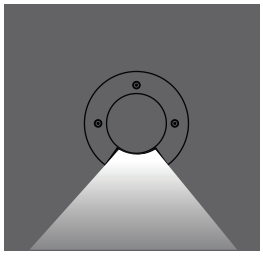


Voltage : 240 VAC with integrated driver (12-24 VDC on request)
Diffuser : Polycarbonate
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F
Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request

Single color LED options upon request are ;
Blue Amber Green Red

Mono

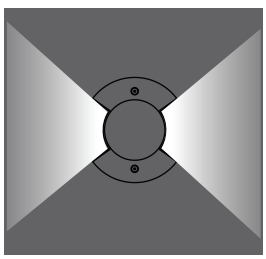




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	480004
1W LED	3000 K	95 lm	480001
1W LED	4000 K	97 lm	480002
1W LED	6000 K	99 lm	480003
3W LED	2700 K	285 lm	480014
3W LED	3000 K	285 lm	480011
3W LED	4000 K	290 lm	480012
3W LED	6000 K	296 lm	480013

Dual

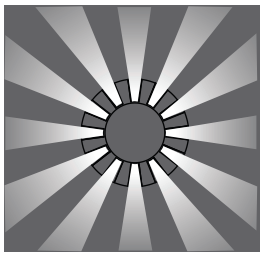




Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	480104
1W LED	3000 K	95 lm	480101
1W LED	4000 K	97 lm	480102
1W LED	6000 K	99 lm	480103
3W LED	2700 K	285 lm	480114
3W LED	3000 K	285 lm	480111
3W LED	4000 K	290 lm	480112
3W LED	6000 K	296 lm	480113

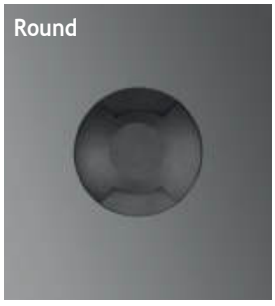
Multi



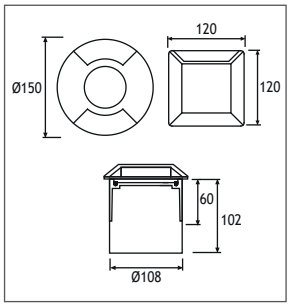


Power	Kelvin	Real Lumen Output	Code No
1W LED	2700 K	95 lm	480204
1W LED	3000 K	95 lm	480201
1W LED	4000 K	97 lm	480202
1W LED	6000 K	99 lm	480203
3W LED	2700 K	285 lm	480214
3W LED	3000 K	285 lm	480211
3W LED	4000 K	290 lm	480212
3W LED	6000 K	296 lm	480213

BIRGI 3 RECESSED WALK OVER FIXTURES
Class I IP67 IK08







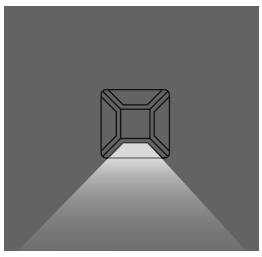
Voltage : 240 VAC with integrated driver (12-24 VDC on request)
Diffuser : Polycarbonate
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F
Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request

Single color LED options upon request are ;
Blue Amber Green Red

Mono





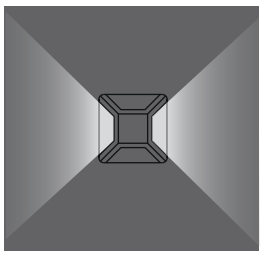


Power	Kelvin	Real Lumen Output	Code No Round	Square
1W LED	2700 K	1x 95 lm	491004	490004
1W LED	3000 K	1x 95 lm	491001	490001
1W LED	4000 K	1x 97 lm	491002	490002
1W LED	6000 K	1x 99 lm	491003	490003
3W LED	2700 K	1x 285 lm	491014	490014
3W LED	3000 K	1x 285 lm	491011	490011
3W LED	4000 K	1x 290 lm	491012	490012
3W LED	6000 K	1x 296 lm	491013	490013

Dual





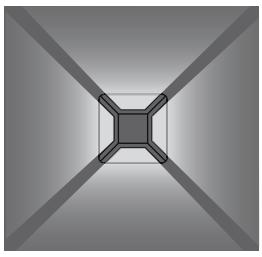


Power	Kelvin	Real Lumen Output	Code No Round	Square
2x 1W LED	2700 K	2x 95 lm	491104	490104
2x 1W LED	3000 K	2x 95 lm	491101	490101
2x 1W LED	4000 K	2x 97 lm	491102	490102
2x 1W LED	6000 K	2x 99 lm	491103	490103
2x 3W LED	2700 K	2x 285 lm	491114	490114
2x 3W LED	3000 K	2x 285 lm	491111	490111
2x 3W LED	4000 K	2x 290 lm	491112	490112
2x 3W LED	6000 K	2x 296 lm	491113	490113

Quad







Power	Kelvin	Real Lumen Output	Code No Round	Square
4x 1W LED	2700 K	4x 95 lm	491204	490204
4x 1W LED	3000 K	4x 95 lm	491201	490201
4x 1W LED	4000 K	4x 97 lm	491202	490202
4x 1W LED	6000 K	4x 99 lm	491203	490203
4x 3W LED	2700 K	4x 285 lm	491214	490214
4x 3W LED	3000 K	4x 285 lm	491211	490211
4x 3W LED	4000 K	4x 290 lm	491212	490212
4x 3W LED	6000 K	4x 296 lm	491213	490213

Kaman Adjustable Recessed



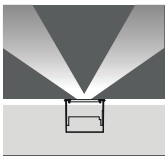
EMFA

KAMAN ADJUSTABLE LED RECESSED FIXTURES IP67 IK10

The Kaman Recessed series consists of a range of LED light sources to deliver the desired light effect to facades, columns, bridges, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The fixtures come with an aluminium recessing tube for easy mounting in the ground or concrete. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 30 degrees are available to choose from to achieve the desired light effect.



Asymmetrical LEDs
These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.



Adjustable

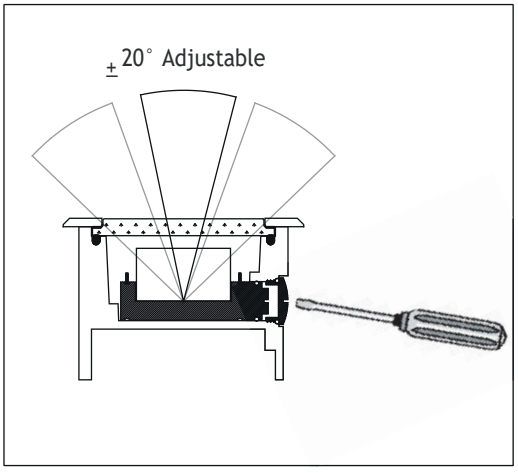


Cover
316L Stainless steel
Body
Die cast aluminium
Recessing Box
Aluminium
Gaskets
Silicone
Diffusers
Tempered Glass
Screws
316L Stainless steel

"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 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.





KAMAN 3 ADJUSTABLE LED RECESSED FIXTURES IP67 IK08

Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request





Voltage : 240 VAC with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

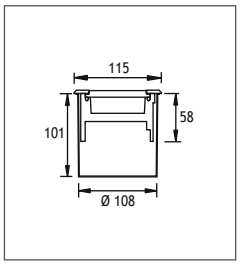
Cable : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone





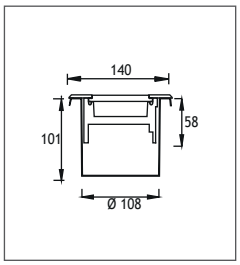


Power	Color	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	240003	240103
6W LED	3000 K	570 lm	10°,20°,30°	240001	240101
6W LED	4000 K	580 lm	10°,20°,30°	240002	240102
6W LED	6000 K	592 lm	10°,20°,30°	240004	240104
11W LED	2700 K	1045 lm	10°,20°,30°	240013	240113
11W LED	3000 K	1045 lm	10°,20°,30°	240011	240111
11W LED	4000 K	1065 lm	10°,20°,30°	240012	240112
11W LED	6000 K	1088 lm	10°,20°,30°	240014	240114

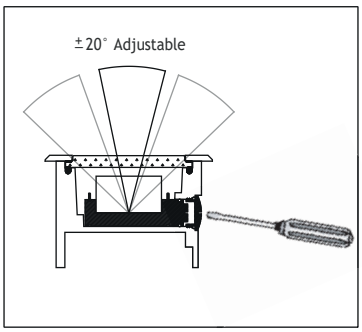
Fix to Recessing Tube with Screws

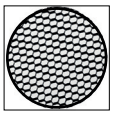






Power	Color	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	241003	241103
6W LED	3000 K	570 lm	10°,20°,30°	241001	241101
6W LED	4000 K	580 lm	10°,20°,30°	241002	241102
6W LED	6000 K	592 lm	10°,20°,30°	241004	241104
11W LED	2700 K	1045 lm	10°,20°,30°	241013	241113
11W LED	3000 K	1045 lm	10°,20°,30°	241011	241111
11W LED	4000 K	1065 lm	10°,20°,30°	241012	241112
11W LED	6000 K	1088 lm	10°,20°,30°	241014	241114





Honeycomb
Code No: 953511

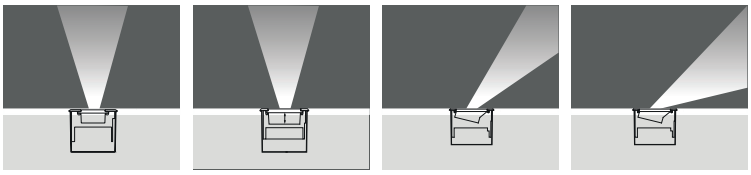
EMFA

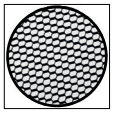
BELKIS RECESSED FIXTURES
IP67 IK08

The Belkis Recessed series consists of a range of LED and fluorescent sources to deliver the desired light effect to facades, columns, bridges, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK08 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The fixtures come with an aluminium recessing tube for easy mounting in the ground or concrete. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 40 degrees are available to choose from to achieve the desired light effect.

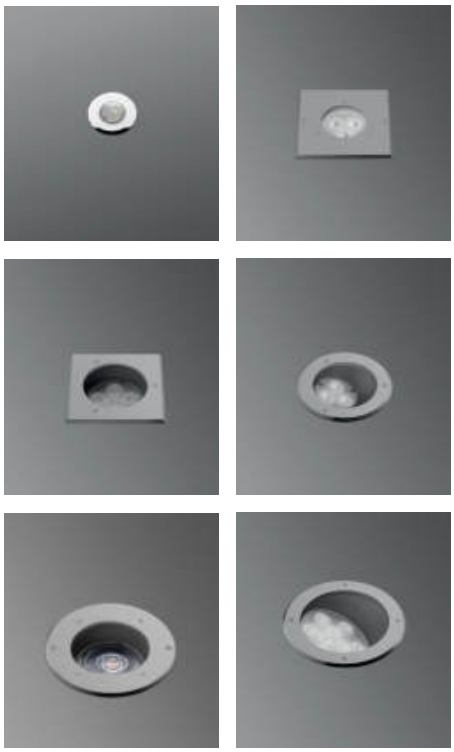
Asymmetrical LEDs
These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

Cover
316L Stainless steel
Body
Die cast aluminium
Recessing Box
Aluminium
Gaskets
Silicone
Diffusers
Tempered Glass
Screws
316L Stainless steel


Symmetrical | Symmetrical Deep | 15° Asymmetrical | 25° Asymmetrical


Honeycomb

"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 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.

BELKIS MINI

RECESSED WALK OVER FIXTURES
Class I IP67 IK08

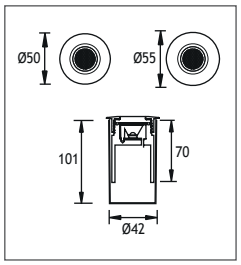


Voltage : 240 V A.C with integrated driver
(24V AC or DC on request)
Diffuser : 4mm Clear Glass (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

Symmetrical

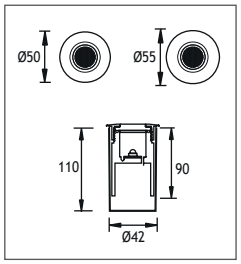




Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	10°,25°,40°	391004
1W LED	3000 K	95 lm	10°,25°,40°	391001
1W LED	4000 K	97 lm	10°,25°,40°	391002
1W LED	6000 K	99 lm	10°,25°,40°	391003
3W LED	2700 K	285 lm	10°,25°,40°	391104
3W LED	3000 K	285 lm	10°,25°,40°	391101
3W LED	4000 K	290 lm	10°,25°,40°	391102
3W LED	6000 K	296 lm	10°,25°,40°	391103

Symmetrical Deep

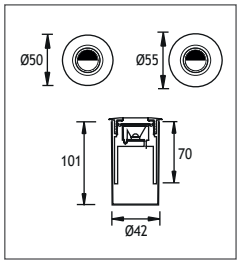




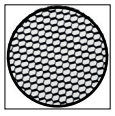
Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	10°,25°,40°	391201
1W LED	3000 K	95 lm	10°,25°,40°	391202
1W LED	4000 K	97 lm	10°,25°,40°	391203
1W LED	6000 K	99 lm	10°,25°,40°	391204
3W LED	2700 K	285 lm	10°,25°,40°	391211
3W LED	3000 K	285 lm	10°,25°,40°	391212
3W LED	4000 K	290 lm	10°,25°,40°	391213
3W LED	6000 K	296 lm	10°,25°,40°	391214

Asymmetrical





Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	Asymmetrical	391301
1W LED	3000 K	95 lm	Asymmetrical	391302
1W LED	4000 K	97 lm	Asymmetrical	391303
1W LED	6000 K	99 lm	Asymmetrical	391304
3W LED	2700 K	285 lm	Asymmetrical	391311
3W LED	3000 K	285 lm	Asymmetrical	391312
3W LED	4000 K	290 lm	Asymmetrical	391313
3W LED	6000 K	296 lm	Asymmetrical	391314



Honeycomb
Code No: 953714

EMFA

BELKIS MINI

ASYMMETRICAL WALL RECESSED
Class I IP65 IK08

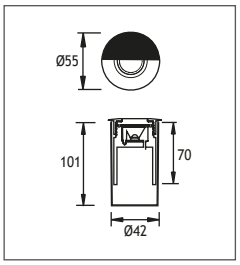
Cover
Die cast aluminium
Body
Die cast aluminium
Recessing Box
Aluminium
Gaskets
Silicone
Diffusers
Tempered Glass
Screws
316L Stainless steel



Voltage : 240 V A.C with integrated driver (24V AC or DC on request)
Diffuser : 4mm Clear Glass (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F
Finish : EMFA Anthracite · RAL 7039 / 7016 / 9005 / 9016 / 6013 / 8014 – other RAL on request

Single color LED options upon request are ;
Blue Amber Green Red

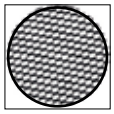




Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	Asymmetrical	309201
1W LED	3000 K	95 lm	Asymmetrical	309202
1W LED	4000 K	97 lm	Asymmetrical	309203
1W LED	6000 K	99 lm	Asymmetrical	309204
3W LED	2700 K	285 lm	Asymmetrical	309211
3W LED	3000 K	285 lm	Asymmetrical	309212
3W LED	4000 K	290 lm	Asymmetrical	309213
3W LED	6000 K	296 lm	Asymmetrical	309214

Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	Asymmetrical	309221
6W LED	3000 K	570 lm	Asymmetrical	309222
6W LED	4000 K	585 lm	Asymmetrical	309223
6W LED	6000 K	592 lm	Asymmetrical	309224

12V - 24V (240V A.C with external driver)



Honeycomb
Code No: 953714



BELKIS 1 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





Voltage : 240V A.C with integrated driver (12-24 VDC on request)
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

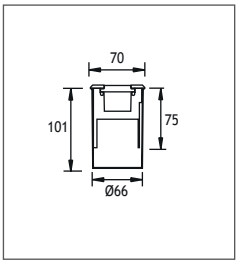
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





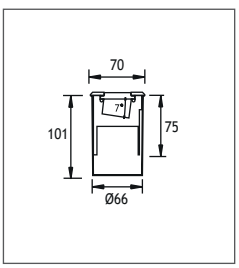


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	425192	425292
1W LED	3000 K	95 lm	10°,25°,40°	425191	425291
1W LED	4000 K	97 lm	10°,25°,40°	425196	425296
1W LED	6000 K	99 lm	10°,25°,40°	425197	425297
3W LED	2700 K	285 lm	10°,25°,40°	405504	405514
3W LED	3000 K	285 lm	10°,25°,40°	405501	405511
3W LED	4000 K	290 lm	10°,25°,40°	405502	405512
3W LED	6000 K	296 lm	10°,25°,40°	405503	405513

7° Asymmetrical





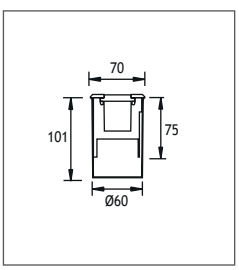


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	405544	405554
1W LED	3000 K	95 lm	10°,25°,40°	405541	405551
1W LED	4000 K	97 lm	10°,25°,40°	405542	405552
1W LED	6000 K	99 lm	10°,25°,40°	405543	405553
3W LED	2700 K	285 lm	10°,25°,40°	405584	405594
3W LED	3000 K	285 lm	10°,25°,40°	405581	405591
3W LED	4000 K	290 lm	10°,25°,40°	405582	405592
3W LED	6000 K	296 lm	10°,25°,40°	405583	405593

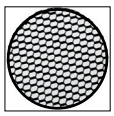
Led Lamp







Power	Lampholder	Code No Round	Square
12V Led Lamp	Gu4	320101	320201



Honeycomb
Code No: 953521

BELKIS 1 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





Voltage : 240V A.C with integrated driver (12-24 VDC on request)
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

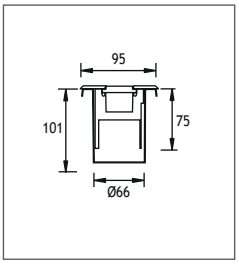
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





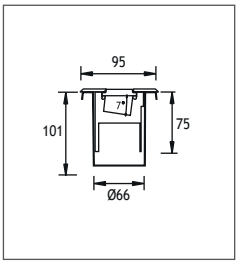


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	425182	425282
1W LED	3000 K	95 lm	10°,25°,40°	425181	425281
1W LED	4000 K	97 lm	10°,25°,40°	425186	425286
1W LED	6000 K	99 lm	10°,25°,40°	425187	425287
3W LED	2700 K	285 lm	10°,25°,40°	405524	405534
3W LED	3000 K	285 lm	10°,25°,40°	405521	405531
3W LED	4000 K	290 lm	10°,25°,40°	405522	405532
3W LED	6000 K	296 lm	10°,25°,40°	405523	405533

7° Asymmetrical





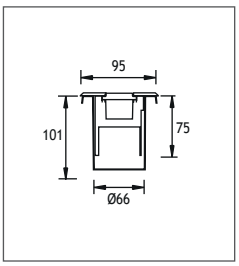


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	405564	405574
1W LED	3000 K	95 lm	10°,25°,40°	405561	405571
1W LED	4000 K	97 lm	10°,25°,40°	405562	405572
1W LED	6000 K	99 lm	10°,25°,40°	405563	405573
3W LED	2700 K	285 lm	10°,25°,40°	405604	405614
3W LED	3000 K	285 lm	10°,25°,40°	405601	405611
3W LED	4000 K	290 lm	10°,25°,40°	405602	405612
3W LED	6000 K	296 lm	10°,25°,40°	405603	405613

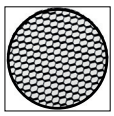
Led Lamp







Power	Lampholder	Code No Round	Square
12V Led Lamp	Gu4	320111	320211



Honeycomb
Code No: 953521

EMFA



BELKIS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

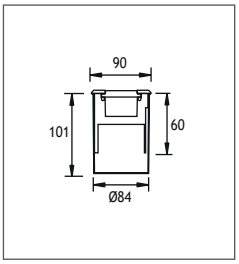
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





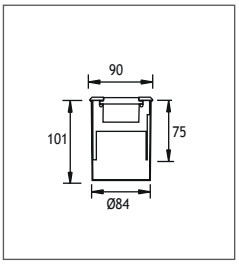


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	422102	422112
3W LED	3000 K	285 lm	10°,25°,40°	422101	422111
3W LED	4000 K	290 lm	10°,25°,40°	422106	422116
3W LED	6000 K	296 lm	10°,25°,40°	422107	422117
9W LED	2700 K	855 lm	10°,25°,40°	418334	418344
9W LED	3000 K	855 lm	10°,25°,40°	418331	418341
9W LED	4000 K	872 lm	10°,25°,40°	418332	418342
9W LED	6000 K	890 lm	10°,25°,40°	418333	418343
9W LED	RGB		25°,40°	418371	418381

Symmetrical Deep





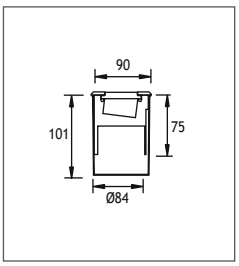


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	439001	439101
3W LED	3000 K	285 lm	10°,25°,40°	439002	439102
3W LED	4000 K	290 lm	10°,25°,40°	439003	439103
3W LED	6000 K	296 lm	10°,25°,40°	439004	439104
9W LED	2700 K	855 lm	10°,25°,40°	439011	439111
9W LED	3000 K	855 lm	10°,25°,40°	439012	439112
9W LED	4000 K	872 lm	10°,25°,40°	439013	439113
9W LED	6000 K	890 lm	10°,25°,40°	439014	439114
9W LED	RGB		25°,40°	439015	439115

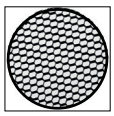
Wallwasher







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	326004	326014
1W LED	3000 K	95 lm	10°,25°,40°	326001	326011
1W LED	4000 K	97 lm	10°,25°,40°	326002	326012
1W LED	6000 K	99 lm	10°,25°,40°	326003	326013
3W LED	2700 K	285 lm	10°,25°,40°	326044	326054
3W LED	3000 K	285 lm	10°,25°,40°	326041	326051
3W LED	4000 K	290 lm	10°,25°,40°	326042	326052
3W LED	6000 K	296 lm	10°,25°,40°	326043	326053



Honeycomb
Code No: 953522

EMFA

BELKIS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED

Voltage : 240 VAC with integrated driver
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

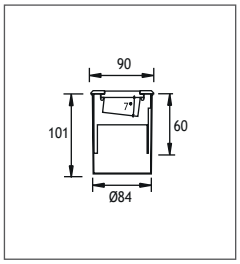
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

7° Asymmetrical





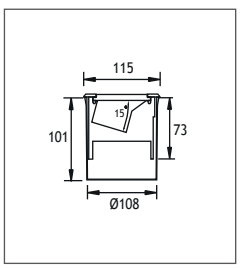


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	418394	418404
3W LED	3000 K	285 lm	10°,25°,40°	418391	418401
3W LED	4000 K	290 lm	10°,25°,40°	418392	418402
3W LED	6000 K	296 lm	10°,25°,40°	418393	418403
9W LED	2700 K	855 lm	10°,25°,40°	418434	418444
9W LED	3000 K	855 lm	10°,25°,40°	418431	418441
9W LED	4000 K	872 lm	10°,25°,40°	418432	418442
9W LED	6000 K	890 lm	10°,25°,40°	418433	418443
9W LED	RGB		25°,40°	418471	418481

15° Asymmetrical





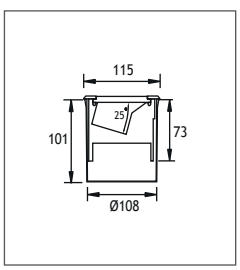


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	418514	418524
3W LED	3000 K	285 lm	10°,25°,40°	418511	418521
3W LED	4000 K	290 lm	10°,25°,40°	418512	418522
3W LED	6000 K	296 lm	10°,25°,40°	418513	418523
9W LED	2700 K	855 lm	10°,25°,40°	418554	418564
9W LED	3000 K	855 lm	10°,25°,40°	418551	418561
9W LED	4000 K	872 lm	10°,25°,40°	418552	418562
9W LED	6000 K	890 lm	10°,25°,40°	418553	418563
9W LED	RGB		25°,40°	418591	418601

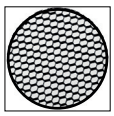
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	418634	418644
3W LED	3000 K	285 lm	10°,25°,40°	418631	418641
3W LED	4000 K	290 lm	10°,25°,40°	418632	418642
3W LED	6000 K	296 lm	10°,25°,40°	418633	418643
9W LED	2700 K	855 lm	10°,25°,40°	418674	418684
9W LED	3000 K	855 lm	10°,25°,40°	418671	418681
9W LED	4000 K	872 lm	10°,25°,40°	418672	418682
9W LED	6000 K	890 lm	10°,25°,40°	418673	418683
9W LED	RGB		25°,40	418711	418721



Honeycomb
Code No: 953522

BELKIS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED

Voltage : 240 VAC with integrated driver
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

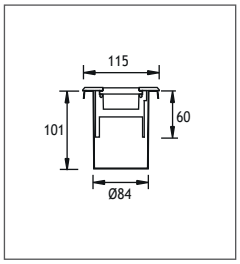
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





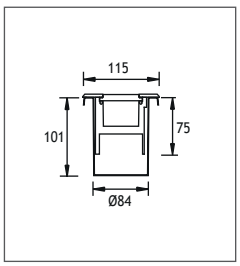


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	425162	425262
3W LED	3000 K	285 lm	10°,25°,40°	425161	425261
3W LED	4000 K	290 lm	10°,25°,40°	425166	425266
3W LED	6000 K	296 lm	10°,25°,40°	425167	425267
9W LED	2700 K	855 lm	10°,25°,40°	418354	418364
9W LED	3000 K	855 lm	10°,25°,40°	418351	418361
9W LED	4000 K	872 lm	10°,25°,40°	418352	418362
9W LED	6000 K	890 lm	10°,25°,40°	418353	418363
9W LED	RGB		25°,40°	425411	425421

Symmetrical Deep





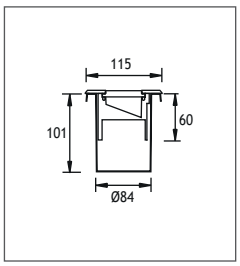


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	442001	442101
3W LED	3000 K	285 lm	10°,25°,40°	442002	442102
3W LED	4000 K	290 lm	10°,25°,40°	442003	442103
3W LED	6000 K	296 lm	10°,25°,40°	442004	442104
9W LED	2700 K	855 lm	10°,25°,40°	442011	442111
9W LED	3000 K	855 lm	10°,25°,40°	442012	442112
9W LED	4000 K	872 lm	10°,25°,40°	442013	442113
9W LED	6000 K	890 lm	10°,25°,40°	442014	442114
9W LED	RGB		25°,40°	442015	442115

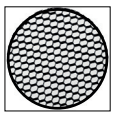
Wallwasher







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	326024	326034
1W LED	3000 K	95 lm	10°,25°,40°	326021	326031
1W LED	4000 K	97 lm	10°,25°,40°	326022	326032
1W LED	6000 K	99 lm	10°,25°,40°	326023	326033
3W LED	2700 K	285 lm	10°,25°,40°	326064	326074
3W LED	3000 K	285 lm	10°,25°,40°	326061	326071
3W LED	4000 K	290 lm	10°,25°,40°	326062	326072
3W LED	6000 K	296 lm	10°,25°,40°	326063	326073



Honeycomb
Code No: 953522

EMFA

BELKIS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED

Voltage : 240 VAC with integrated driver
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

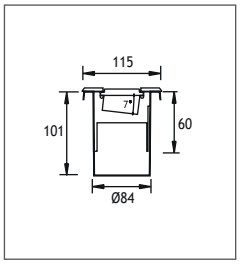
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

7° Asymmetrical





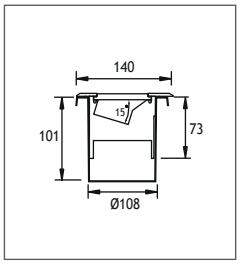


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	418414	418424
3W LED	3000 K	285 lm	10°,25°,40°	418411	418421
3W LED	4000 K	290 lm	10°,25°,40°	418412	418422
3W LED	6000 K	296 lm	10°,25°,40°	418413	418423
9W LED	2700 K	855 lm	10°,25°,40°	418454	418464
9W LED	3000 K	855 lm	10°,25°,40°	418451	418461
9W LED	4000 K	872 lm	10°,25°,40°	418452	418462
9W LED	6000 K	890 lm	10°,25°,40°	418453	418463
9W LED	RGB		25°,40°	418491	418501

15° Asymmetrical





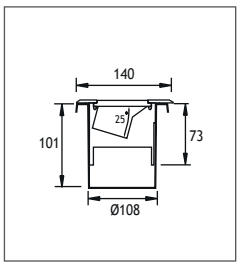


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	418534	418544
3W LED	3000 K	285 lm	10°,25°,40°	418531	418541
3W LED	4000 K	290 lm	10°,25°,40°	418532	418542
3W LED	6000 K	296 lm	10°,25°,40°	418533	418543
9W LED	2700 K	855 lm	10°,25°,40°	418874	418584
9W LED	3000 K	855 lm	10°,25°,40°	418871	418581
9W LED	4000 K	872 lm	10°,25°,40°	418872	418582
9W LED	6000 K	890 lm	10°,25°,40°	418873	418583
9W LED	RGB		25°,40°	418611	418621

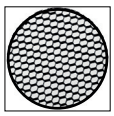
25° Asymmetrical







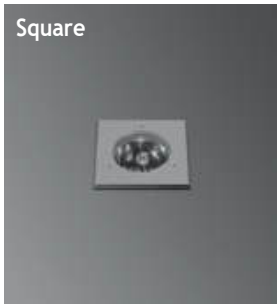
Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	418654	418664
3W LED	3000 K	285 lm	10°,25°,40°	418651	418661
3W LED	4000 K	290 lm	10°,25°,40°	418652	418662
3W LED	6000 K	296 lm	10°,25°,40°	418653	418663
9W LED	2700 K	855 lm	10°,25°,40°	418694	418704
9W LED	3000 K	855 lm	10°,25°,40°	418691	418701
9W LED	4000 K	872 lm	10°,25°,40°	418692	418702
9W LED	6000 K	890 lm	10°,25°,40°	418693	418703
9W LED	RGB		25°,40	418731	418741



Honeycomb
Code No: 953522

BELKIS 2 RECESSED WALK OVER WITH TIR LENS FIXTURES
Class I IP67 IK08





COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

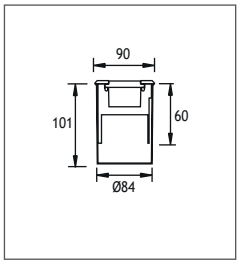
Cable : Potted 1 m 3x1 H03 VV-F

Fix to Recessing Tube with Silicone

Symmetrical





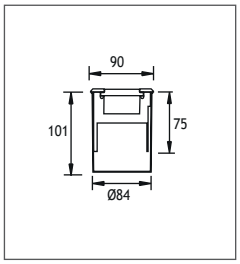


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	119003	119013
6W LED	3000 K	570 lm	10°,20°,30°	119001	119011
6W LED	4000 K	581 lm	10°,20°,30°	119002	119012
6W LED	6000 K	593 lm	10°,20°,30°	119004	119014
11W LED	2700 K	1045 lm	10°,20°,30°	119023	119033
11W LED	3000 K	1045 lm	10°,20°,30°	119021	119031
11W LED	4000 K	1065 lm	10°,20°,30°	119022	119032
11W LED	6000 K	1087 lm	10°,20°,30°	119024	119034

Symmetrical Deep





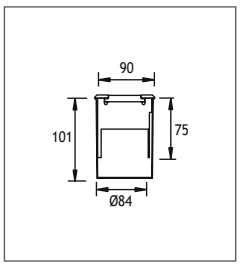


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	122001	122101
6W LED	3000 K	570 lm	10°,20°,30°	122002	122102
6W LED	4000 K	581 lm	10°,20°,30°	122003	122103
6W LED	6000 K	593 lm	10°,20°,30°	122004	122104
11W LED	2700 K	1045 lm	10°,20°,30°	122011	122111
11W LED	3000 K	1045 lm	10°,20°,30°	122012	122112
11W LED	4000 K	1065 lm	10°,20°,30°	122013	122113
11W LED	6000 K	1087 lm	10°,20°,30°	122014	122114

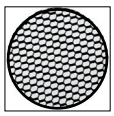
Led Lamp







Power	Lampholder	Code No Round	Square
Led Lamp	Gu10	322101	322201



Honeycomb
Code No: 953522

EMFA

BELKIS 2 RECESSED WALK OVER WITH TIR LENS FIXTURES
Class I IP67 IK08





COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

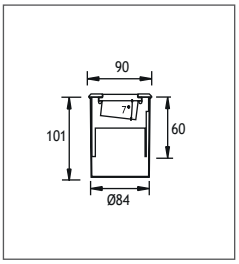
Cable : Potted 1 m 3x1 H03 VV-F

Fix to Recessing Tube with Silicone

7° Asymmetrical





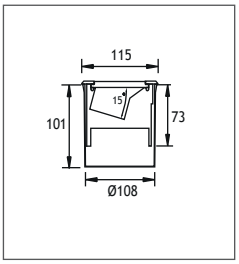


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	139001	139101
6W LED	3000 K	570 lm	10°,25°,40°	139002	139102
6W LED	4000 K	581 lm	10°,25°,40°	139003	139103
6W LED	6000 K	593 lm	10°,25°,40°	139004	139104
11W LED	2700 K	1045 lm	10°,25°,40°	139011	139111
11W LED	3000 K	1045 lm	10°,25°,40°	139012	139112
11W LED	4000 K	1065 lm	10°,25°,40°	139013	139113
11W LED	6000 K	1087 lm	10°,25°,40°	139014	139114

15° Asymmetrical





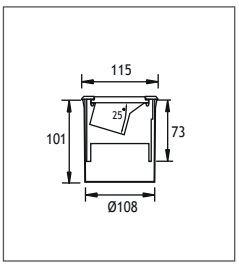


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	119203	119213
6W LED	3000 K	570 lm	10°,25°,40°	119201	119211
6W LED	4000 K	581 lm	10°,25°,40°	119202	119212
6W LED	6000 K	593 lm	10°,25°,40°	119204	119214
11W LED	2700 K	1045 lm	10°,25°,40°	119223	119233
11W LED	3000 K	1045 lm	10°,25°,40°	119221	119231
11W LED	4000 K	1065 lm	10°,25°,40°	119222	119232
11W LED	6000 K	1087 lm	10°,25°,40°	119224	119234

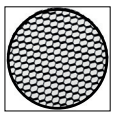
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	119403	119413
6W LED	3000 K	570 lm	10°,25°,40°	119401	119411
6W LED	4000 K	581 lm	10°,25°,40°	119402	119412
6W LED	6000 K	593 lm	10°,25°,40°	119404	119414
11W LED	2700 K	1045 lm	10°,25°,40°	119423	119433
11W LED	3000 K	1045 lm	10°,25°,40°	119421	119431
11W LED	4000 K	1065 lm	10°,25°,40°	119422	119432
11W LED	6000 K	1087 lm	10°,25°,40°	119424	119434



Honeycomb
Code No: 953522



EMFA

BELKIS 2 RECESSED WALK OVER WITH TIR LENS FIXTURES
Class I IP67 IK08





COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

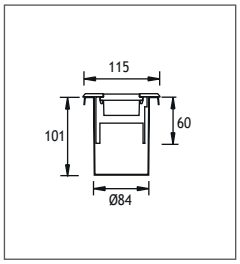
Cable : Potted 1 m 3x1 H03 VV-F

Fix to Recessing Tube with Screws

Symmetrical





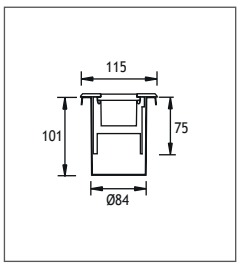


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	119103	119113
6W LED	3000 K	570 lm	10°,25°,40°	119101	119111
6W LED	4000 K	581 lm	10°,25°,40°	119102	119112
6W LED	6000 K	593 lm	10°,25°,40°	119104	119114
11W LED	2700 K	1045 lm	10°,25°,40°	119123	119133
11W LED	3000 K	1045 lm	10°,25°,40°	119121	119131
11W LED	4000 K	1065 lm	10°,25°,40°	119122	119132
11W LED	6000 K	1087 lm	10°,25°,40°	119124	119134

Symmetrical Deep





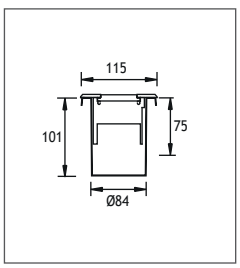


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	140001	140101
6W LED	3000 K	570 lm	10°,25°,40°	140002	140102
6W LED	4000 K	581 lm	10°,25°,40°	140003	140103
6W LED	6000 K	593 lm	10°,25°,40°	140004	140104
11W LED	2700 K	1045 lm	10°,25°,40°	140011	140111
11W LED	3000 K	1045 lm	10°,25°,40°	140012	140112
11W LED	4000 K	1065 lm	10°,25°,40°	140013	140113
11W LED	6000 K	1087 lm	10°,25°,40°	140014	140114

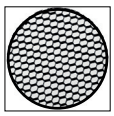
Led Lamp





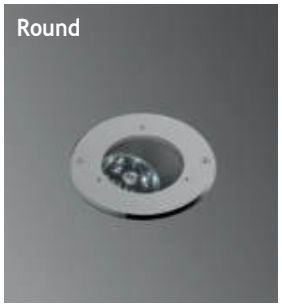


Power	Lampholder	Code No Round	Square
Led Lamp	Gu10	322121	322221



Honeycomb
Code No: 953522

BELKIS 2 RECESSED WALK OVER WITH TIR LENS FIXTURES
Class I IP67 IK08





COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

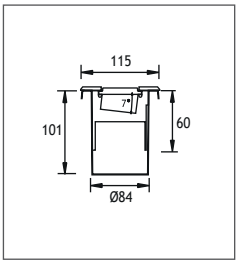
Cable : Potted 1 m 3x1 H03 VV-F

Fix to Recessing Tube with Screws

7° Asymmetrical





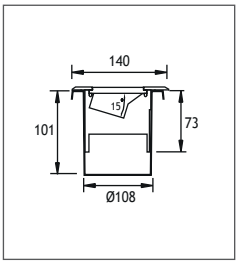


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	141001	141101
6W LED	3000 K	570 lm	10°,20°,30°	141002	141102
6W LED	4000 K	581 lm	10°,20°,30°	141003	141103
6W LED	6000 K	593 lm	10°,20°,30°	141004	141104
11W LED	2700 K	1045 lm	10°,20°,30°	141011	141111
11W LED	3000 K	1045 lm	10°,20°,30°	141012	141112
11W LED	4000 K	1065 lm	10°,20°,30°	141013	141113
11W LED	6000 K	1087 lm	10°,20°,30°	141014	141114

15° Asymmetrical





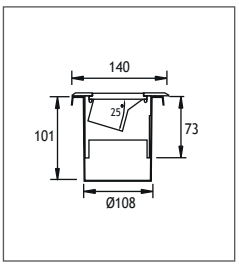


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	119304	119313
6W LED	3000 K	570 lm	10°,20°,30°	119301	119311
6W LED	4000 K	581 lm	10°,20°,30°	119302	119312
6W LED	6000 K	593 lm	10°,20°,30°	119305	119314
11W LED	2700 K	1045 lm	10°,20°,30°	119323	119333
11W LED	3000 K	1045 lm	10°,20°,30°	119321	119331
11W LED	4000 K	1065 lm	10°,20°,30°	119322	119332
11W LED	6000 K	1087 lm	10°,20°,30°	119324	119334

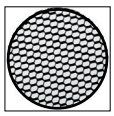
25° Asymmetrical







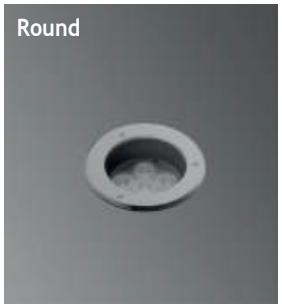
Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,20°,30°	119503	119513
6W LED	3000 K	570 lm	10°,20°,30°	119501	119511
6W LED	4000 K	581 lm	10°,20°,30°	119502	119512
6W LED	6000 K	593 lm	10°,20°,30°	119504	119514
11W LED	2700 K	1045 lm	10°,20°,30°	119523	119533
11W LED	3000 K	1045 lm	10°,20°,30°	119521	119531
11W LED	4000 K	1065 lm	10°,20°,30°	119522	119532
11W LED	6000 K	1087 lm	10°,20°,30°	119524	119534



Honeycomb
Code No: 953522

EMFA

BELKIS 3 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

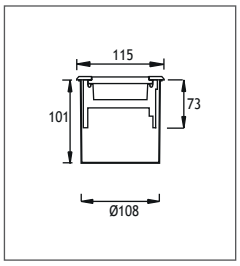
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





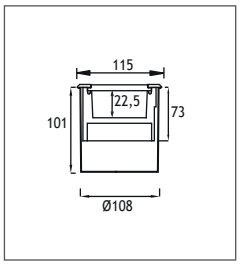


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	422204	422212
6W LED	3000 K	570 lm	10°,25°,40°	422201	422211
6W LED	4000 K	581 lm	10°,25°,40°	422202	422216
6W LED	6000 K	593 lm	10°,25°,40°	422203	422217
18W LED	RGB		25°,40°	422261	422271

Symmetrical Deep





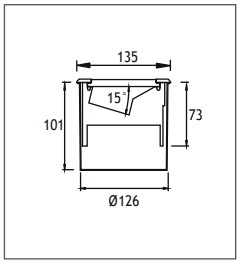


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	326104	326114
6W LED	3000 K	570 lm	10°,25°,40°	326101	326111
6W LED	4000 K	581 lm	10°,25°,40°	326102	326112
6W LED	6000 K	593 lm	10°,25°,40°	326103	326113
18W LED	RGB		25°,40°	326141	326151

15° Asymmetrical





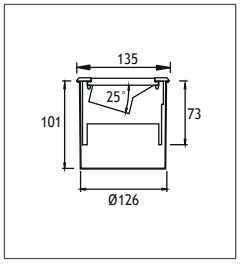


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	423104	423114
6W LED	3000 K	570 lm	10°,25°,40°	423101	423111
6W LED	4000 K	581 lm	10°,25°,40°	423102	423112
6W LED	6000 K	593 lm	10°,25°,40°	423103	423113
18W LED	RGB		25°,40°	423141	423151

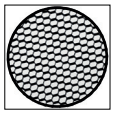
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	423184	423194
6W LED	3000 K	570 lm	10°,25°,40°	423181	423191
6W LED	4000 K	581 lm	10°,25°,40°	423182	423192
6W LED	6000 K	593 lm	10°,25°,40°	423183	423193
18W LED	RGB		25°,40°	423221	423231



Honeycomb
Code No: 953523

S



EMFA

BELKIS 3 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

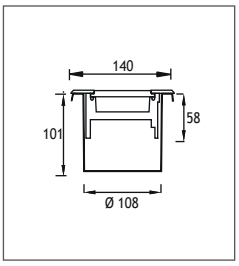
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





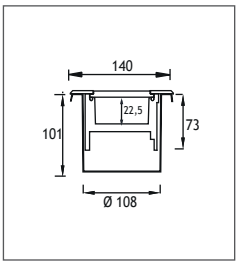


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	422222	422232
6W LED	3000 K	570 lm	10°,25°,40°	422221	422231
6W LED	4000 K	581 lm	10°,25°,40°	422226	422236
6W LED	6000 K	593 lm	10°,25°,40°	422227	422237
18W LED	RGB		25°,40°	422241	422251

Symmetrical Deep





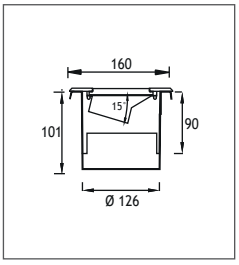


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	326124	326134
6W LED	3000 K	570 lm	10°,25°,40°	326121	326131
6W LED	4000 K	581 lm	10°,25°,40°	326122	326132
6W LED	6000 K	593 lm	10°,25°,40°	326123	326133
18W LED	RGB		25°,40°	326401	326411

15° Asymmetrical





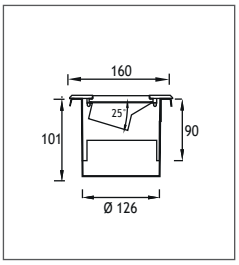


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	423124	423134
6W LED	3000 K	570 lm	10°,25°,40°	423121	423131
6W LED	4000 K	581 lm	10°,25°,40°	423122	423132
6W LED	6000 K	593 lm	10°,25°,40°	423123	423133
18W LED	RGB		25°,40°	423161	423171

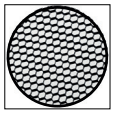
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	423204	423214
6W LED	3000 K	570 lm	10°,25°,40°	423201	423211
6W LED	4000 K	581 lm	10°,25°,40°	423202	423212
6W LED	6000 K	593 lm	10°,25°,40°	423203	423213
18W LED	RGB		25°,40°	423241	423251



Honeycomb
Code No: 953523

BELKIS 3 RECESSED WALK OVER WITH TIR LENS FIXTURES
Class I IP67 IK08





COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

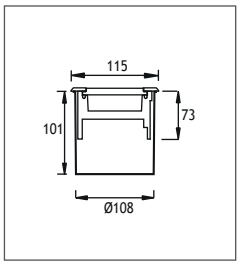
Cable : Potted 1 m 3x1 H03 VV-F

Fix to Recessing Tube with Silicone

Symmetrical





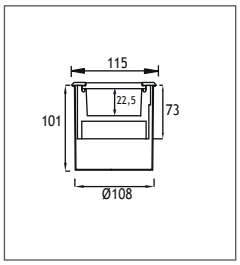


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	119603	119613
6W LED	3000 K	570 lm	10°,20°,30°	119601	119611
6W LED	4000 K	581 lm	10°,20°,30°	119622	119632
6W LED	6000 K	593 lm	10°,20°,30°	119624	119634
11W LED	2700 K	1045 lm	10°,20°,30°	119623	119633
11W LED	3000 K	1045 lm	10°,20°,30°	119621	119631
11W LED	4000 K	1065 lm	10°,20°,30°	119602	119612
11W LED	6000 K	1087 lm	10°,20°,30°	119604	119614

Symmetrical Deep





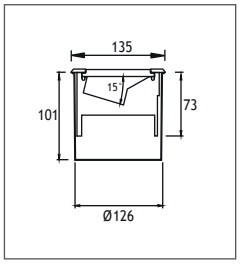


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	120801	120811
6W LED	3000 K	570 lm	10°,20°,30°	120802	120812
6W LED	4000 K	581 lm	10°,20°,30°	120823	120833
6W LED	6000 K	593 lm	10°,20°,30°	120824	120834
11W LED	2700 K	1045 lm	10°,20°,30°	120821	120831
11W LED	3000 K	1045 lm	10°,20°,30°	120822	120832
11W LED	4000 K	1065 lm	10°,20°,30°	120803	120813
11W LED	6000 K	1087 lm	10°,20°,30°	120804	120814

15° Asymmetrical





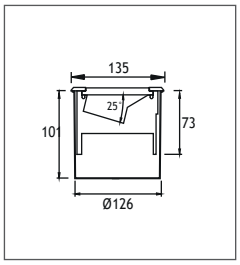


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	119803	119813
6W LED	3000 K	570 lm	10°,20°,30°	119801	119811
6W LED	4000 K	581 lm	10°,20°,30°	119842	119852
6W LED	6000 K	593 lm	10°,20°,30°	119844	119854
11W LED	2700 K	1045 lm	10°,20°,30°	119843	119853
11W LED	3000 K	1045 lm	10°,20°,30°	119841	119851
11W LED	4000 K	1065 lm	10°,20°,30°	119802	119812
11W LED	6000 K	1087 lm	10°,20°,30°	119804	119814

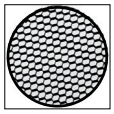
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	120003	120013
6W LED	3000 K	570 lm	10°,20°,30°	120001	120011
6W LED	4000 K	581 lm	10°,20°,30°	120042	120052
6W LED	6000 K	593 lm	10°,20°,30°	120044	120054
11W LED	2700 K	1045 lm	10°,20°,30°	120043	120053
11W LED	3000 K	1045 lm	10°,20°,30°	120041	120051
11W LED	4000 K	1065 lm	10°,20°,30°	120002	120012
11W LED	6000 K	1087 lm	10°,20°,30°	120004	120014



Honeycomb
Code No: 953523

EMFA

BELKIS 3 RECESSED WALK OVER WITH TIR LENS FIXTURES
Class I IP67 IK08





COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

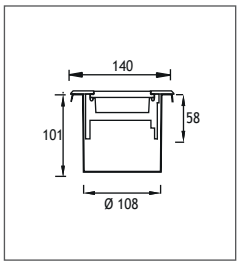
Cable : Potted 1 m 3x1 H03 VV-F

Fix to Recessing Tube with Screws

Symmetrical





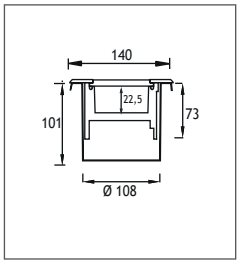


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	119703	119713
6W LED	3000 K	570 lm	10°,20°,30°	119701	119711
6W LED	4000 K	581 lm	10°,20°,30°	119722	119732
6W LED	6000 K	593 lm	10°,20°,30°	119724	119734
11W LED	2700 K	1045 lm	10°,20°,30°	119723	119733
11W LED	3000 K	1045 lm	10°,20°,30°	119721	119731
11W LED	4000 K	1065 lm	10°,20°,30°	119702	119712
11W LED	6000 K	1087 lm	10°,20°,30°	119704	119714

Symmetrical Deep





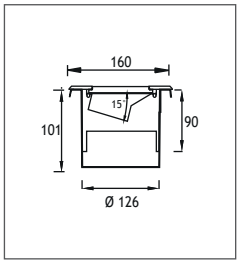


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	120901	120911
6W LED	3000 K	570 lm	10°,20°,30°	120902	120912
6W LED	4000 K	581 lm	10°,20°,30°	120923	120933
6W LED	6000 K	593 lm	10°,20°,30°	120924	120934
11W LED	2700 K	1045 lm	10°,20°,30°	120921	120931
11W LED	3000 K	1045 lm	10°,20°,30°	120922	120932
11W LED	4000 K	1065 lm	10°,20°,30°	120903	120913
11W LED	6000 K	1087 lm	10°,20°,30°	120904	120914

15° Asymmetrical





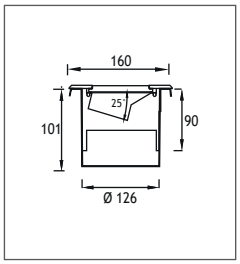


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	119903	119913
6W LED	3000 K	570 lm	10°,20°,30°	119901	119911
6W LED	4000 K	581 lm	10°,20°,30°	119942	119952
6W LED	6000 K	593 lm	10°,20°,30°	119944	119954
11W LED	2700 K	1045 lm	10°,20°,30°	119943	119953
11W LED	3000 K	1045 lm	10°,20°,30°	119941	119951
11W LED	4000 K	1065 lm	10°,20°,30°	119902	119912
11W LED	6000 K	1087 lm	10°,20°,30°	119904	119914

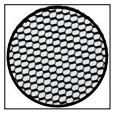
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
6W LED	2700 K	570 lm	10°,20°,30°	121003	121013
6W LED	3000 K	570 lm	10°,20°,30°	121041	121051
6W LED	4000 K	581 lm	10°,20°,30°	121022	121032
6W LED	6000 K	593 lm	10°,20°,30°	121024	121034
11W LED	2700 K	1045 lm	10°,20°,30°	121023	121033
11W LED	3000 K	1045 lm	10°,20°,30°	121021	121031
11W LED	4000 K	1065 lm	10°,20°,30°	121042	121052
11W LED	6000 K	1087 lm	10°,20°,30°	121004	121014



Honeycomb
Code No: 953523



BELKIS 4 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

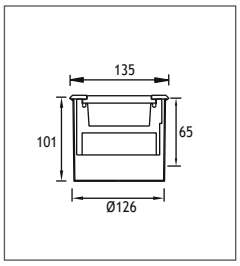
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





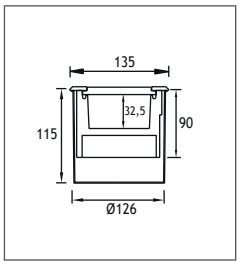


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	422302	422312
9W LED	3000 K	855 lm	10°,25°,40°	422301	422311
9W LED	4000 K	872 lm	10°,25°,40°	422306	422316
9W LED	6000 K	890 lm	10°,25°,40°	422307	422317

Symmetrical Deep





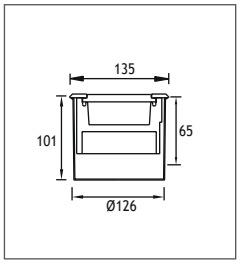


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	326204	326214
9W LED	3000 K	855 lm	10°,25°,40°	326201	326211
9W LED	4000 K	872 lm	10°,25°,40°	326202	326212
9W LED	6000 K	890 lm	10°,25°,40°	326203	326213

Symmetrical





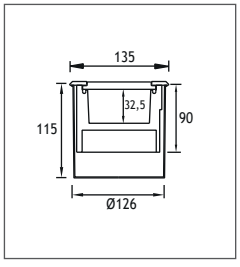


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
18W COB LED	2700 K	1710 lm	10°,20°,30°	120203	120213
18W COB LED	3000 K	1710 lm	10°,20°,30°	120201	120211
18W COB LED	4000 K	1744 lm	10°,20°,30°	120202	120212
18W COB LED	6000 K	1779 lm	10°,20°,30°	120204	120214

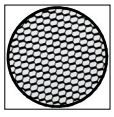
Symmetrical Deep







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
13W COB LED	2700 K	1235 lm	24°,38°	326303	326313
13W COB LED	3000 K	1235 lm	24°,38°	326301	326311
13W COB LED	4000 K	1259 lm	24°,38°	326302	326312
13W COB LED	6000 K	1259 lm	24°,38°	326304	326314



Honeycomb
Code No: 953524

BELKIS 4 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

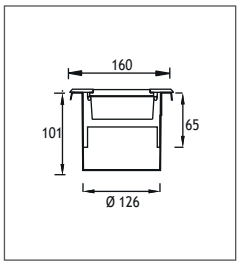
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





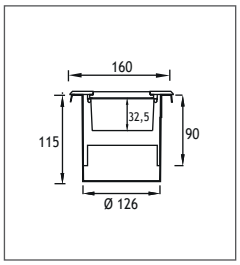


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	422322	422332
9W LED	3000 K	855 lm	10°,25°,40°	422321	422331
9W LED	4000 K	872 lm	10°,25°,40°	422326	422336
9W LED	6000 K	890 lm	10°,25°,40°	422327	422337

Symmetrical Deep





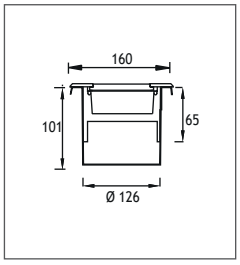


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	326224	326234
9W LED	3000 K	855 lm	10°,25°,40°	326221	326231
9W LED	4000 K	872 lm	10°,25°,40°	326222	326232
9W LED	6000 K	890 lm	10°,25°,40°	326223	326233

Symmetrical





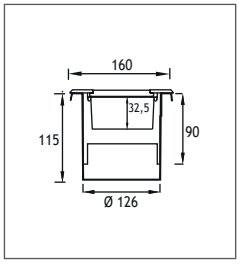


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
18W COB LED	2700 K	1710 lm	10°,20°,30°	120303	120313
18W COB LED	3000 K	1710 lm	10°,20°,30°	120301	120311
18W COB LED	4000 K	1744 lm	10°,20°,30°	120302	120312
18W COB LED	6000 K	1779 lm	10°,20°,30°	120304	120314

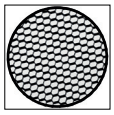
Symmetrical Deep







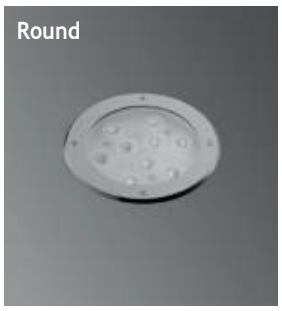
Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
13W COB LED	2700 K	1235 lm	24°,38°	326323	326333
13W COB LED	3000 K	1235 lm	24°,38°	326321	326331
13W COB LED	4000 K	1259 lm	24°,38°	326322	326332
13W COB LED	6000 K	1259 lm	24°,38°	326324	326334



Honeycomb
Code No: 953524

EMFA

BELKIS 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

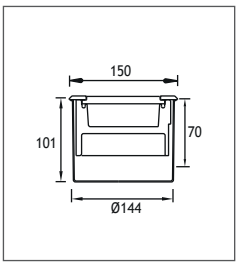
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





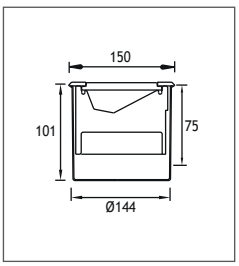


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	422422	422432
9W LED	3000 K	855 lm	10°,25°,40°	422421	422431
9W LED	4000 K	872 lm	10°,25°,40°	422426	422436
9W LED	6000 K	890 lm	10°,25°,40°	422427	422437
27W LED	2700 K	2560 lm	10°,25°,40°	423304	423314
27W LED	3000 K	2560 lm	10°,25°,40°	423301	423311
27W LED	4000 K	2610 lm	10°,25°,40°	423302	423312
27W LED	6000 K	2670 lm	10°,25°,40°	423303	423313
27W LED	RGB		25°,40°	423341	423351

Wallwasher





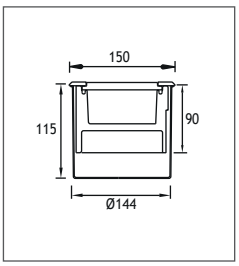


Power	Kelvin	Real Lumen Output	Reflector	Code No Round	Square
13W COB LED	2700 K	1235 lm	Asymmetrical	423704	423714
13W COB LED	3000 K	1235 lm	Asymmetrical	423701	423711
13W COB LED	4000 K	1259 lm	Asymmetrical	423702	423712
13W COB LED	6000 K	1284 lm	Asymmetrical	423703	423713

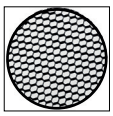
Symmetrical Led Lamp







Power	Lampholder	Code No Round	Square
PAR30 Led Lamp	E27	324111	324211



Honeycomb
Code No: 953525

BELKIS 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

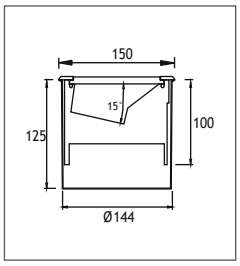
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

15°Asymmetrical





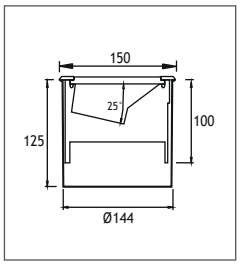


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	423604	423614
27W LED	3000 K	2560 lm	10°,25°,40°	423601	423611
27W LED	4000 K	2610 lm	10°,25°,40°	423602	423612
27W LED	6000 K	2670 lm	10°,25°,40°	423603	423613
27W LED	RGB		25°,40°	423401	423411

25°Asymmetrical





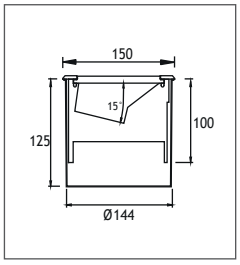


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	423644	423654
27W LED	3000 K	2560 lm	10°,25°,40°	423641	423651
27W LED	4000 K	2610 lm	10°,25°,40°	423642	423652
27W LED	6000 K	2670 lm	10°,25°,40°	423643	423653
27W LED	RGB		25°,40°	423481	423491

15° Asymmetrical





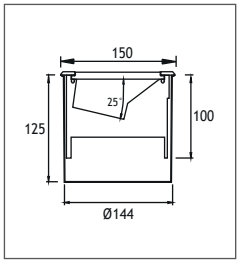


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
25W COB LED	2700 K	2375 lm	10°,20°,30°	120403	120413
25W COB LED	3000 K	2375 lm	10°,20°,30°	120401	120411
25W COB LED	4000 K	2422 lm	10°,20°,30°	120402	120412
25W COB LED	6000 K	2470 lm	10°,20°,30°	120404	120414

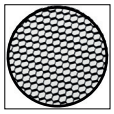
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
25W COB LED	2700 K	2375 lm	10°,20°,30°	120603	120613
25W COB LED	3000 K	2375 lm	10°,20°,30°	120601	120611
25W COB LED	4000 K	2422 lm	10°,20°,30°	120602	120612
25W COB LED	6000 K	2470 lm	10°,20°,30°	120604	120614



Honeycomb
Code No: 953525

EMFA

BELKIS 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

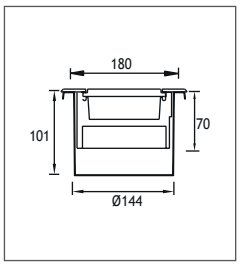
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





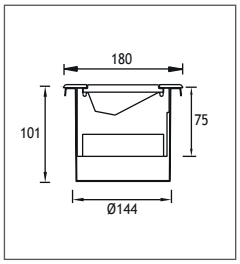


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	422442	422452
9W LED	3000 K	855 lm	10°,25°,40°	422441	422451
9W LED	4000 K	872 lm	10°,25°,40°	422446	422456
9W LED	6000 K	890 lm	10°,25°,40°	422447	422457
27W LED	2700 K	2560 lm	10°,25°,40°	423324	423334
27W LED	3000 K	2560 lm	10°,25°,40°	423321	423331
27W LED	4000 K	2610 lm	10°,25°,40°	423322	423332
27W LED	6000 K	2670 lm	10°,25°,40°	423323	423333
27W LED	RGB		25°,40°	422381	422491

Wallwasher





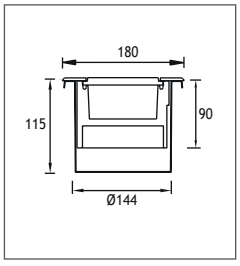


Power	Kelvin	Real Lumen Output	Reflector	Code No Round	Square
13W COB LED	2700 K	1235 lm	Asymmetrical	423724	423734
13W COB LED	3000 K	1235 lm	Asymmetrical	423721	423731
13W COB LED	4000 K	1259 lm	Asymmetrical	423722	423732
13W COB LED	6000 K	1284 lm	Asymmetrical	423723	423733

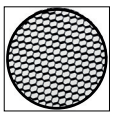
Symmetrical Led Lamp







Power	Lampholder	Code No Round	Square
PAR30 Led Lamp	E27	324121	324221



Honeycomb
Code No: 953525

BELKIS 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

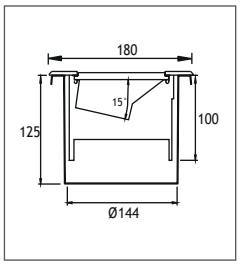
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

15°Asymmetrical





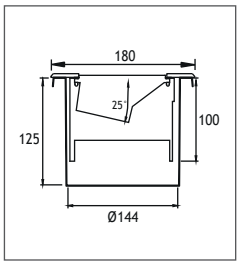


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	423624	423634
27W LED	3000 K	2560 lm	10°,25°,40°	423621	423631
27W LED	4000 K	2610 lm	10°,25°,40°	423622	423632
27W LED	6000 K	2670 lm	10°,25°,40°	423623	423633
27W LED	RGB		25°,40°	423421	423431

25°Asymmetrical





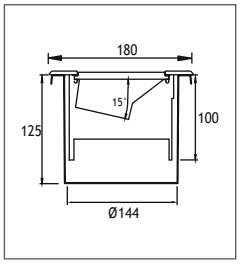


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	423664	423674
27W LED	3000 K	2560 lm	10°,25°,40°	423661	423671
27W LED	4000 K	2610 lm	10°,25°,40°	423662	423672
27W LED	6000 K	2670 lm	10°,25°,40°	423663	423673
27W LED	RGB		25°,40°	423501	423511

15° Asymmetrical





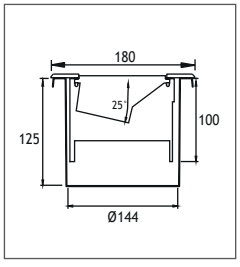


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
25W COB LED	2700 K	2375 lm	10°,20°,30°	120503	120513
25W COB LED	3000 K	2375 lm	10°,20°,30°	120501	120511
25W COB LED	4000 K	2422 lm	10°,20°,30°	120502	120512
25W COB LED	6000 K	2470 lm	10°,20°,30°	120504	120514

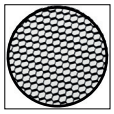
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
25W COB LED	2700 K	2375 lm	10°,20°,30°	120703	120713
25W COB LED	3000 K	2375 lm	10°,20°,30°	120701	120711
25W COB LED	4000 K	2422 lm	10°,20°,30°	120702	120712
25W COB LED	6000 K	2470 lm	10°,20°,30°	120704	120714



Honeycomb
Code No: 953525

EMFA



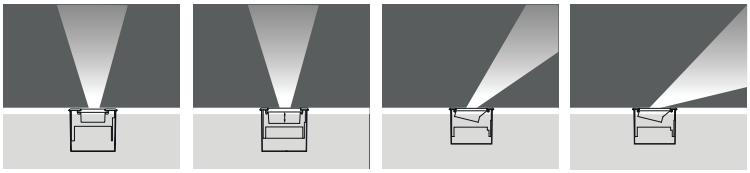


PATNOS RECESSED FIXTURES IP67 IK08

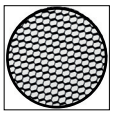
The Patnos series is an adaption of the Belkis Recessed series using less or no visible screws. No screws are visible on the cover if silicone is used to glue the fixture to the recessing tube. The series is designed to light walls, facades, columns, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electro-static powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK08 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The fixtures come with an aluminium recessing tube for easy mounting in the ground or concrete. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 40 degrees are available to choose from to achieve the desired light effect.

Asymmetrical LEDs
In this catalogue EMFA is introducing the tilted LED fixtures. These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

Cover
316L Stainless steel
Body
Die cast aluminium
Recessing Box
Aluminium
Gaskets
Silicone
Diffusers
Tempered Glass
Screws
316L Stainless steel

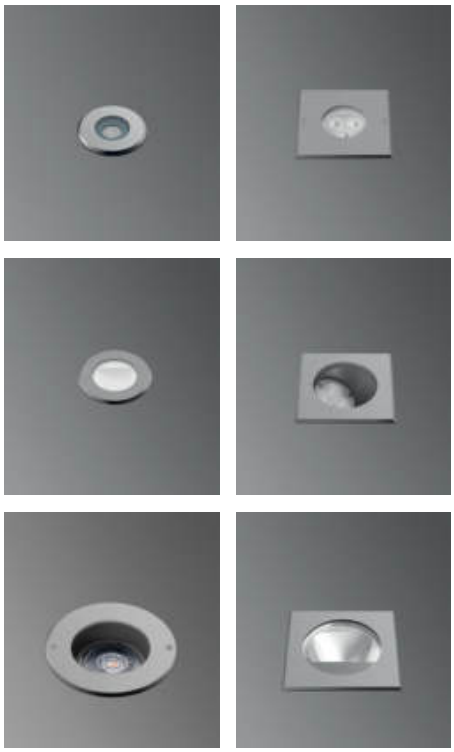


Symmetrical | Symmetrical Deep | 15° Asymmetrical | 25° Asymmetrical



Honeycomb

"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 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.

PATNOS 1 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





Voltage : 240V A.C with integrated driver (12-24 VDC on request)
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

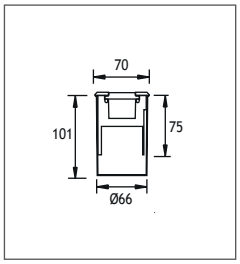
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





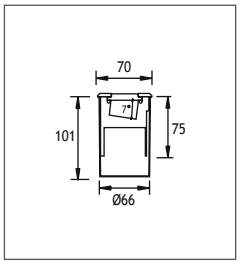


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	160004	160014
1W LED	3000 K	95 lm	10°,25°,40°	160001	160011
1W LED	4000 K	97 lm	10°,25°,40°	160002	160012
1W LED	6000 K	99 lm	10°,25°,40°	160003	160013
3W LED	2700 K	285 lm	10°,25°,40°	160044	160054
3W LED	3000 K	285 lm	10°,25°,40°	160041	160051
3W LED	4000 K	290 lm	10°,25°,40°	160042	160052
3W LED	6000 K	296 lm	10°,25°,40°	160043	160053

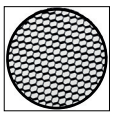
7° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	160204	160214
1W LED	3000 K	95 lm	10°,25°,40°	160201	160211
1W LED	4000 K	97 lm	10°,25°,40°	160202	160212
1W LED	6000 K	99 lm	10°,25°,40°	160203	160213
3W LED	2700 K	285 lm	10°,25°,40°	160244	160254
3W LED	3000 K	285 lm	10°,25°,40°	160241	160251
3W LED	4000 K	290 lm	10°,25°,40°	160242	160252
3W LED	6000 K	296 lm	10°,25°,40°	160243	160253



Honeycomb
Code No: 953521

PATNOS 1 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





Voltage : 240V A.C with integrated driver (12-24 VDC on request)
Diffuser : Clear Glass 8mm (Frosted Glass on request)
CRI : >80 or >90
Cable : Potted 1 m 3x1 H03 VV-F

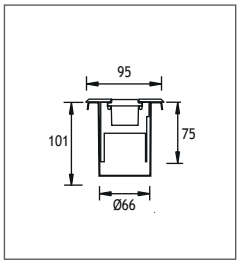
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





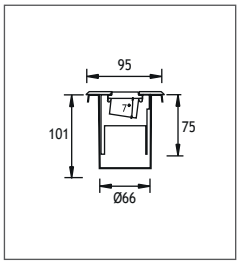


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
1W LED	2700 K	95 lm	10°,25°,40°	160024	160034
1W LED	3000 K	95 lm	10°,25°,40°	160021	160031
1W LED	4000 K	97 lm	10°,25°,40°	160022	160032
1W LED	6000 K	99 lm	10°,25°,40°	160023	160033
3W LED	2700 K	285 lm	10°,25°,40°	160064	160074
3W LED	3000 K	285 lm	10°,25°,40°	160061	160071
3W LED	4000 K	290 lm	10°,25°,40°	160062	160072
3W LED	6000 K	296 lm	10°,25°,40°	160063	160073

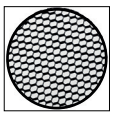
7° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Code No Square
1W LED	2700 K	95 lm	10°,25°,40°	160224	160234
1W LED	3000 K	95 lm	10°,25°,40°	160221	160231
1W LED	4000 K	97 lm	10°,25°,40°	160222	160232
1W LED	6000 K	99 lm	10°,25°,40°	160223	160233
3W LED	2700 K	285 lm	10°,25°,40°	160264	160274
3W LED	3000 K	285 lm	10°,25°,40°	160261	160271
3W LED	4000 K	290 lm	10°,25°,40°	160262	160272
3W LED	6000 K	296 lm	10°,25°,40°	160263	160273



Honeycomb
Code No: 953521

EMFA

PATNOS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

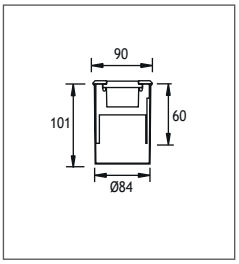
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





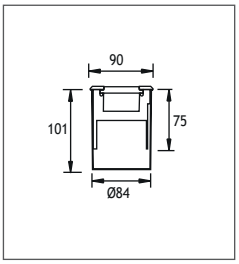


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161004	161014
3W LED	3000 K	285 lm	10°,25°,40°	161001	161011
3W LED	4000 K	290 lm	10°,25°,40°	161002	161012
3W LED	6000 K	296 lm	10°,25°,40°	161003	161013
9W LED	2700 K	855 lm	10°,25°,40°	161044	161054
9W LED	3000 K	855 lm	10°,25°,40°	161041	161051
9W LED	4000 K	872 lm	10°,25°,40°	161042	161052
9W LED	6000 K	890 lm	10°,25°,40°	161043	161053
9W LED	RGB		25°,40°	161081	161091

Symmetrical Deep





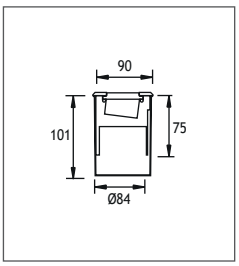


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	165001	165101
3W LED	3000 K	285 lm	10°,25°,40°	165002	165102
3W LED	4000 K	290 lm	10°,25°,40°	165003	165103
3W LED	6000 K	296 lm	10°,25°,40°	165004	165104
9W LED	2700 K	855 lm	10°,25°,40°	165011	165111
9W LED	3000 K	855 lm	10°,25°,40°	165012	165112
9W LED	4000 K	872 lm	10°,25°,40°	165013	165113
9W LED	6000 K	890 lm	10°,25°,40°	165014	165114
9W LED	RGB		25°,40°	165015	165115

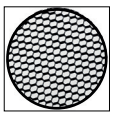
Wallwasher







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	161604	161614
1W LED	3000 K	95 lm	10°,25°,40°	161601	161611
1W LED	4000 K	97 lm	10°,25°,40°	161602	161612
1W LED	6000 K	99 lm	10°,25°,40°	161603	161613
3W LED	2700 K	285 lm	10°,25°,40°	161644	161654
3W LED	3000 K	285 lm	10°,25°,40°	161641	161651
3W LED	4000 K	290 lm	10°,25°,40°	161642	161652
3W LED	6000 K	296 lm	10°,25°,40°	161643	161653



Honeycomb
Code No: 953522

PATNOS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

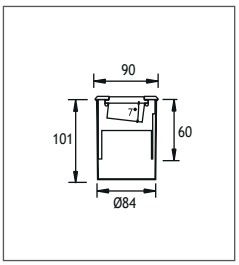
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

7° Asymmetrical





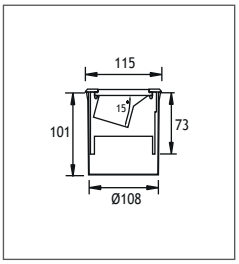


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161204	161214
3W LED	3000 K	285 lm	10°,25°,40°	161201	161211
3W LED	4000 K	290 lm	10°,25°,40°	161202	161212
3W LED	6000 K	296 lm	10°,25°,40°	161203	161213
9W LED	2700 K	855 lm	10°,25°,40°	161244	161254
9W LED	3000 K	855 lm	10°,25°,40°	161241	161251
9W LED	4000 K	872 lm	10°,25°,40°	161242	161252
9W LED	6000 K	890 lm	10°,25°,40°	161243	161253
9W LED	RGB		25°,40°	161281	161291

15° Asymmetrical





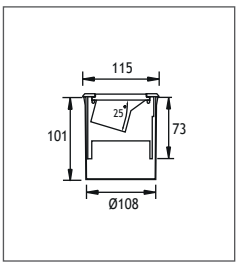


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161324	161334
3W LED	3000 K	285 lm	10°,25°,40°	161321	161331
3W LED	4000 K	290 lm	10°,25°,40°	161322	161332
3W LED	6000 K	296 lm	10°,25°,40°	161323	161333
9W LED	2700 K	855 lm	10°,25°,40°	161364	161374
9W LED	3000 K	855 lm	10°,25°,40°	161361	161371
9W LED	4000 K	872 lm	10°,25°,40°	161362	161372
9W LED	6000 K	890 lm	10°,25°,40°	161363	161373
9W LED	RGB		25°,40°	161401	161411

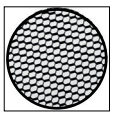
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161444	161454
3W LED	3000 K	285 lm	10°,25°,40°	161441	161451
3W LED	4000 K	290 lm	10°,25°,40°	161442	161452
3W LED	6000 K	296 lm	10°,25°,40°	161443	161453
9W LED	2700 K	855 lm	10°,25°,40°	161484	161494
9W LED	3000 K	855 lm	10°,25°,40°	161481	161491
9W LED	4000 K	872 lm	10°,25°,40°	161482	161492
9W LED	6000 K	890 lm	10°,25°,40°	161483	161493
9W LED	RGB		25°,40°	161521	161531



Honeycomb
Code No: 953522

EMFA

PATNOS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

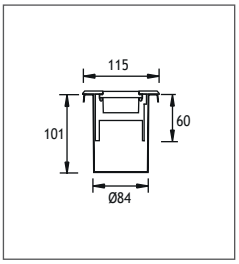
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





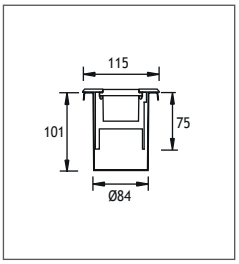


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161024	161034
3W LED	3000 K	285 lm	10°,25°,40°	161021	161031
3W LED	4000 K	290 lm	10°,25°,40°	161022	161032
3W LED	6000 K	296 lm	10°,25°,40°	161023	161033
9W LED	2700 K	855 lm	10°,25°,40°	161064	161074
9W LED	3000 K	855 lm	10°,25°,40°	161061	161071
9W LED	4000 K	872 lm	10°,25°,40°	161062	161072
9W LED	6000 K	890 lm	10°,25°,40°	161063	161073
9W LED	RGB		25°,40°	161101	161111

Symmetrical Deep





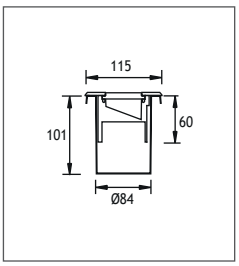


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161701	161801
3W LED	3000 K	285 lm	10°,25°,40°	161702	161802
3W LED	4000 K	290 lm	10°,25°,40°	161703	161803
3W LED	6000 K	296 lm	10°,25°,40°	161704	161804
9W LED	2700 K	855 lm	10°,25°,40°	161711	161811
9W LED	3000 K	855 lm	10°,25°,40°	161712	161812
9W LED	4000 K	872 lm	10°,25°,40°	161713	161813
9W LED	6000 K	890 lm	10°,25°,40°	161714	161814
9W LED	RGB		25°,40°	161715	161815

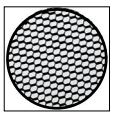
Wallwasher







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	161624	161634
1W LED	3000 K	95 lm	10°,25°,40°	161621	161631
1W LED	4000 K	97 lm	10°,25°,40°	161622	161632
1W LED	6000 K	99 lm	10°,25°,40°	161623	161633
3W LED	2700 K	285 lm	10°,25°,40°	161664	161674
3W LED	3000 K	285 lm	10°,25°,40°	161661	161671
3W LED	4000 K	290 lm	10°,25°,40°	161662	161672
3W LED	6000 K	296 lm	10°,25°,40°	161663	161673



Honeycomb
Code No: 953522

PATNOS 2 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

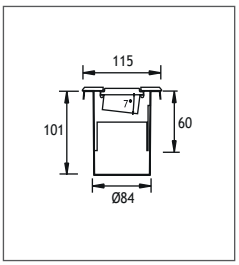
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

7° Asymmetrical





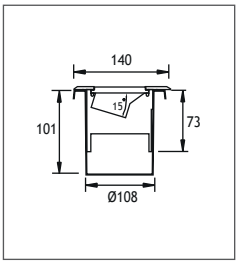


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161224	161234
3W LED	3000 K	285 lm	10°,25°,40°	161221	161231
3W LED	4000 K	290 lm	10°,25°,40°	161222	161232
3W LED	6000 K	296 lm	10°,25°,40°	161223	161233
9W LED	2700 K	855 lm	10°,25°,40°	161264	161274
9W LED	3000 K	855 lm	10°,25°,40°	161261	161271
9W LED	4000 K	872 lm	10°,25°,40°	161262	161272
9W LED	6000 K	890 lm	10°,25°,40°	161263	161273
9W LED	RGB		25°,40°	161301	161311

15° Asymmetrical





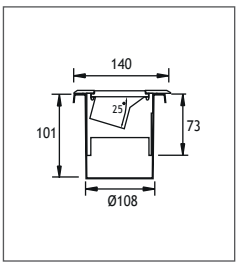


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161344	161354
3W LED	3000 K	285 lm	10°,25°,40°	161341	161351
3W LED	4000 K	290 lm	10°,25°,40°	161342	161352
3W LED	6000 K	296 lm	10°,25°,40°	161343	161353
9W LED	2700 K	855 lm	10°,25°,40°	161384	161394
9W LED	3000 K	855 lm	10°,25°,40°	161381	161391
9W LED	4000 K	872 lm	10°,25°,40°	161382	161392
9W LED	6000 K	890 lm	10°,25°,40°	161383	161393
9W LED	RGB		25°,40°	161421	161431

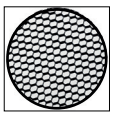
25° Asymmetrical





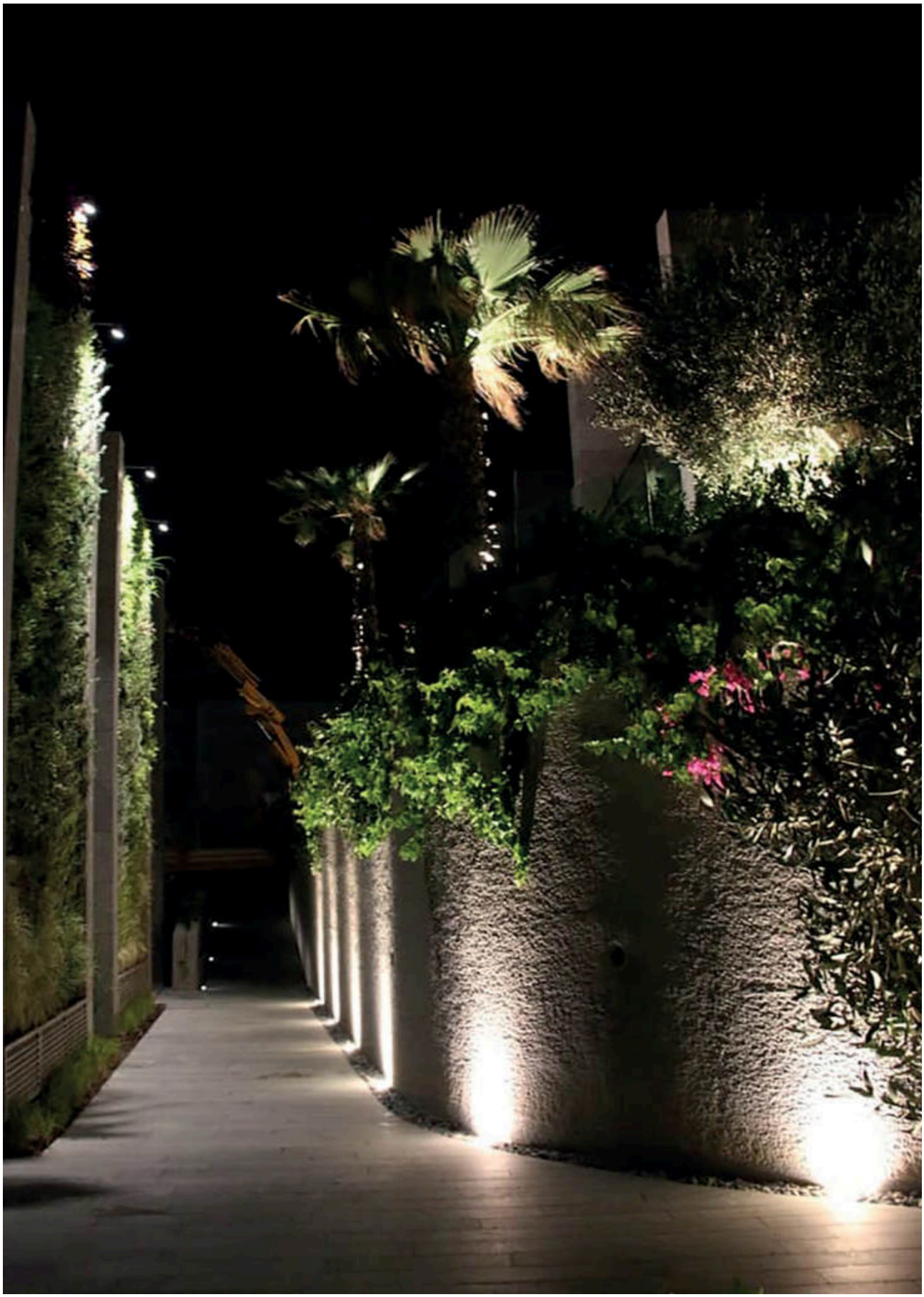


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	161464	161474
3W LED	3000 K	285 lm	10°,25°,40°	161461	161471
3W LED	4000 K	290 lm	10°,25°,40°	161462	161472
3W LED	6000 K	296 lm	10°,25°,40°	161463	161473
9W LED	2700 K	855 lm	10°,25°,40°	161504	161514
9W LED	3000 K	855 lm	10°,25°,40°	161501	161511
9W LED	4000 K	872 lm	10°,25°,40°	161502	161512
9W LED	6000 K	890 lm	10°,25°,40°	161503	161513
9W LED	RGB		25°,40°	161541	161551

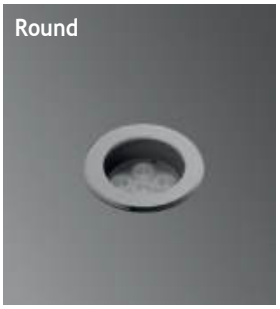


Honeycomb
Code No: 953522

EMFA



PATNOS 3 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

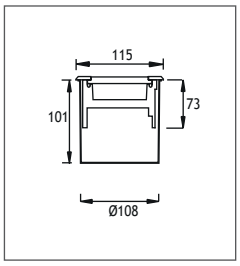
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





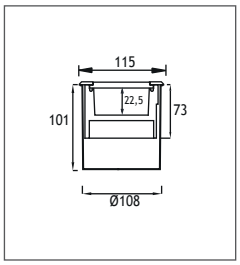


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162004	162014
6W LED	3000 K	570 lm	10°,25°,40°	162001	162011
6W LED	4000 K	581 lm	10°,25°,40°	162002	162012
6W LED	6000 K	593 lm	10°,25°,40°	162003	162013
18W LED	RGB		25°,40°	162041	162051

Symmetrical Deep





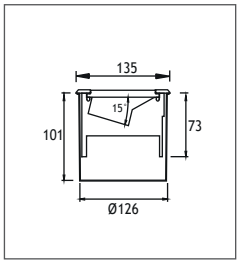


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162404	162414
6W LED	3000 K	570 lm	10°,25°,40°	162401	162411
6W LED	4000 K	581 lm	10°,25°,40°	162402	162412
6W LED	6000 K	593 lm	10°,25°,40°	162403	162413
18W LED	RGB		25°,40°	162501	162511

15° Asymmetrical





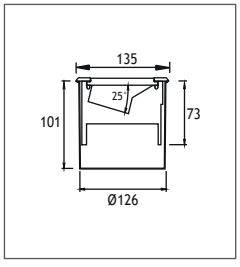


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162204	162214
6W LED	3000 K	570 lm	10°,25°,40°	162201	162211
6W LED	4000 K	581 lm	10°,25°,40°	162202	162212
6W LED	6000 K	593 lm	10°,25°,40°	162203	162213
18W LED	RGB		25°,40°	162241	162251

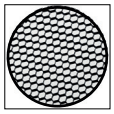
25° Asymmetrical







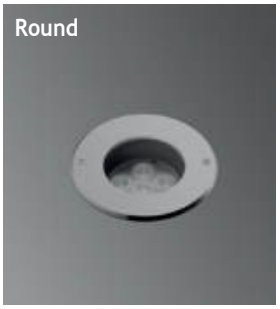
Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162284	162294
6W LED	3000 K	570 lm	10°,25°,40°	162281	162291
6W LED	4000 K	581 lm	10°,25°,40°	162282	162292
6W LED	6000 K	593 lm	10°,25°,40°	162283	162293
18W LED	RGB		25°,40°	162321	162331



Honeycomb
Code No: 953523

EMFA

PATNOS 3 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

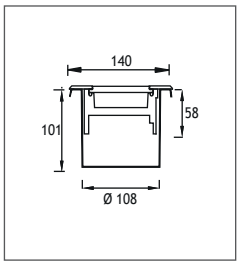
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





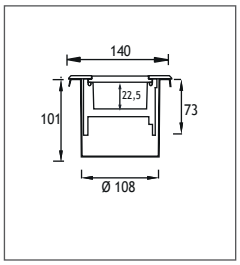


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162024	162034
6W LED	3000 K	570 lm	10°,25°,40°	162021	162031
6W LED	4000 K	581 lm	10°,25°,40°	162022	162032
6W LED	6000 K	593 lm	10°,25°,40°	162023	162033
18W LED	RGB		25°,40°	162061	162071

Symmetrical Deep





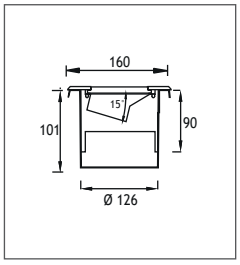


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162424	162434
6W LED	3000 K	570 lm	10°,25°,40°	162421	162431
6W LED	4000 K	581 lm	10°,25°,40°	162422	162432
6W LED	6000 K	593 lm	10°,25°,40°	162423	162433
18W LED	RGB		25°,40°	162601	162611

15° Asymmetrical





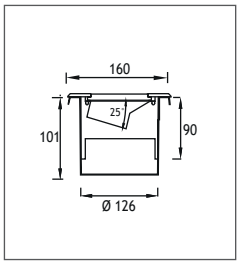


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162224	162234
6W LED	3000 K	570 lm	10°,25°,40°	162221	162231
6W LED	4000 K	581 lm	10°,25°,40°	162222	162232
6W LED	6000 K	593 lm	10°,25°,40°	162223	162233
18W LED	RGB		25°,40°	162261	162271

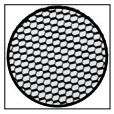
25° Asymmetrical







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
6W LED	2700 K	570 lm	10°,25°,40°	162304	162314
6W LED	3000 K	570 lm	10°,25°,40°	162301	162311
6W LED	4000 K	581 lm	10°,25°,40°	162302	162312
6W LED	6000 K	593 lm	10°,25°,40°	162303	162313
18W LED	RGB		25°,40°	162341	162351



Honeycomb
Code No: 953523



PATNOS 4 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

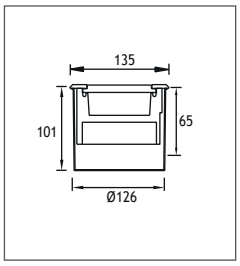
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





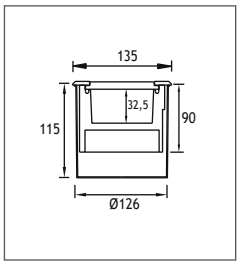


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	163004	163014
9W LED	3000 K	855 lm	10°,25°,40°	163001	163011
9W LED	4000 K	872 lm	10°,25°,40°	163002	163012
9W LED	6000 K	890 lm	10°,25°,40°	163003	163013

Symmetrical Deep





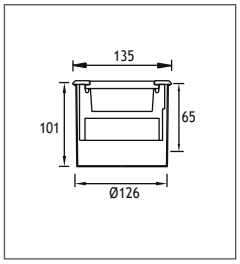


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	163104	163114
9W LED	3000 K	855 lm	10°,25°,40°	163101	163111
9W LED	4000 K	872 lm	10°,25°,40°	163102	163112
9W LED	6000 K	890 lm	10°,25°,40°	163103	163113

Symmetrical





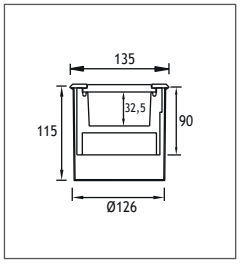


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
18W COB LED	2700 K	1710 lm	10°,20°,30°	163201	163211
18W COB LED	3000 K	1710 lm	10°,20°,30°	163202	163212
18W COB LED	4000 K	1744 lm	10°,20°,30°	163203	163213
18W COB LED	6000 K	1779 lm	10°,20°,30°	163204	163214

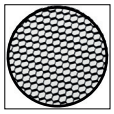
Symmetrical Deep







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
13W COB LED	2700 K	1235 lm	24°,38°	163143	163153
13W COB LED	3000 K	1235 lm	24°,38°	163141	163151
13W COB LED	4000 K	1259 lm	24°,38°	163142	163152
13W COB LED	6000 K	1259 lm	24°,38°	163144	163154



Honeycomb
Code No: 953524

PATNOS 4 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED or COB LED

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

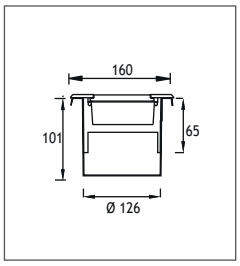
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





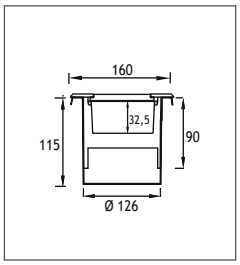


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	163024	163034
9W LED	3000 K	855 lm	10°,25°,40°	163021	163031
9W LED	4000 K	872 lm	10°,25°,40°	163022	163032
9W LED	6000 K	890 lm	10°,25°,40°	163023	163033

Symmetrical Deep





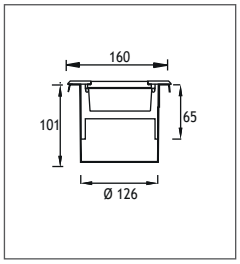


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	163124	163134
9W LED	3000 K	855 lm	10°,25°,40°	163121	163131
9W LED	4000 K	872 lm	10°,25°,40°	163122	163132
9W LED	6000 K	890 lm	10°,25°,40°	163123	163133

Symmetrical





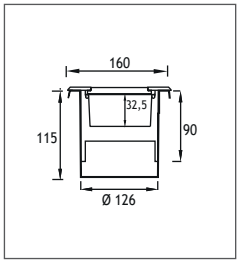


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
18W COB LED	2700 K	1710 lm	10°,20°,30°	163301	163311
18W COB LED	3000 K	1710 lm	10°,20°,30°	163302	163312
18W COB LED	4000 K	1744 lm	10°,20°,30°	163303	163313
18W COB LED	6000 K	1779 lm	10°,20°,30°	163304	163314

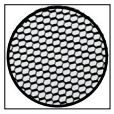
Symmetrical Deep







Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
13W COB LED	2700 K	1235 lm	24°,38°	163163	163173
13W COB LED	3000 K	1235 lm	24°,38°	163161	163171
13W COB LED	4000 K	1259 lm	24°,38°	163162	163172
13W COB LED	6000 K	1259 lm	24°,38°	163164	163174

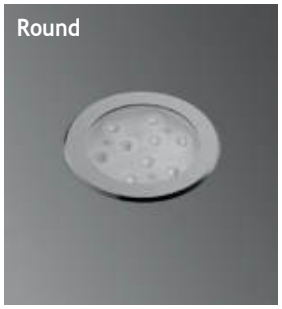


Honeycomb
Code No: 953524

EMFA



PATNOS 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

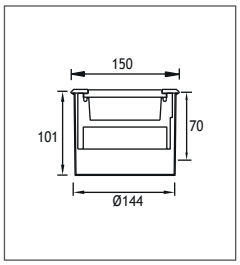
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Silicone

Symmetrical





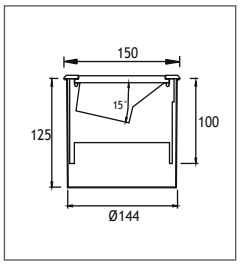


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	164044	164054
27W LED	3000 K	2560 lm	10°,25°,40°	164041	164051
27W LED	4000 K	2610 lm	10°,25°,40°	164042	164052
27W LED	6000 K	2670 lm	10°,25°,40°	164043	164053
27W LED	RGB		25°,40°	164081	164091

15° Asymmetrical





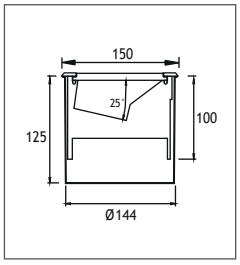


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	164704	164714
27W LED	3000 K	2560 lm	10°,25°,40°	164701	164711
27W LED	4000 K	2610 lm	10°,25°,40°	164702	164712
27W LED	6000 K	2670 lm	10°,25°,40°	164703	164713
27W LED	RGB		25°,40°	164241	164251

25° Asymmetrical





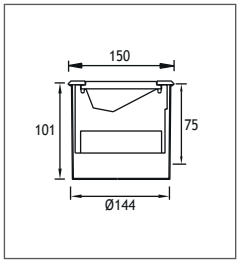


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	164744	164754
27W LED	3000 K	2560 lm	10°,25°,40°	164741	164751
27W LED	4000 K	2610 lm	10°,25°,40°	164742	164752
27W LED	6000 K	2670 lm	10°,25°,40°	164743	164753
27W LED	RGB		25°,40°	164321	164331

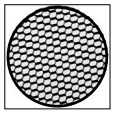
Wallwasher







Power	Kelvin	Real Lumen Output	Reflector	Code No Round	Square
13W COB LED	2700 K	1235 lm	Asymmetrical	164804	164814
13W COB LED	3000 K	1235 lm	Asymmetrical	164801	164811
13W COB LED	4000 K	1259 lm	Asymmetrical	164802	164812
13W COB LED	6000 K	1284 lm	Asymmetrical	164803	164813



Honeycomb
Code No: 953525

EMFA

PATNOS 5 RECESSED WALK OVER FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

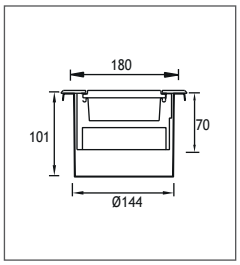
Single color LED options upon request are ;
Blue Amber Green Red

Fix to Recessing Tube with Screws

Symmetrical





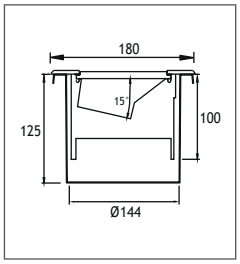


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	164064	164074
27W LED	3000 K	2560 lm	10°,25°,40°	164061	164071
27W LED	4000 K	2610 lm	10°,25°,40°	164062	164072
27W LED	6000 K	2670 lm	10°,25°,40°	164063	164073
27W LED	RGB		25°,40°	164101	164111

15° Asymmetrical





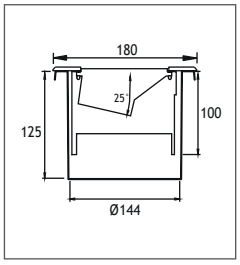


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	164724	164734
27W LED	3000 K	2560 lm	10°,25°,40°	164721	164731
27W LED	4000 K	2610 lm	10°,25°,40°	164722	164732
27W LED	6000 K	2670 lm	10°,25°,40°	164723	164733
27W LED	RGB		25°,40°	164261	164271

25° Asymmetrical





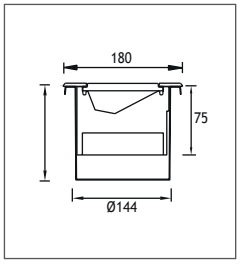


Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
27W LED	2700 K	2560 lm	10°,25°,40°	164764	164774
27W LED	3000 K	2560 lm	10°,25°,40°	164761	164771
27W LED	4000 K	2610 lm	10°,25°,40°	164762	164772
27W LED	6000 K	2670 lm	10°,25°,40°	164763	164773
27W LED	RGB		25°,40°	164341	164351

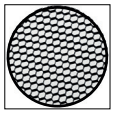
Wallwasher







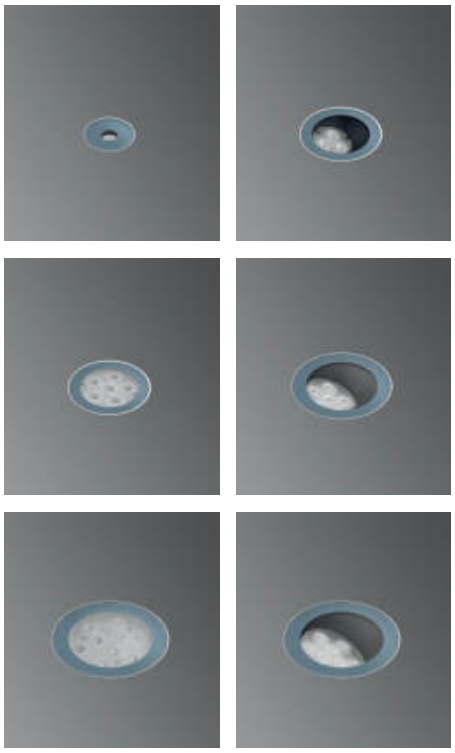
Power	Kelvin	Real Lumen Output	Reflector	Code No Round	Square
13W COB LED	2700 K	1235 lm	Asymmetrical	164824	164834
13W COB LED	3000 K	1235 lm	Asymmetrical	164821	164831
13W COB LED	4000 K	1259 lm	Asymmetrical	164822	164832
13W COB LED	6000 K	1284 lm	Asymmetrical	164823	164833



Honeycomb
Code No: 953525

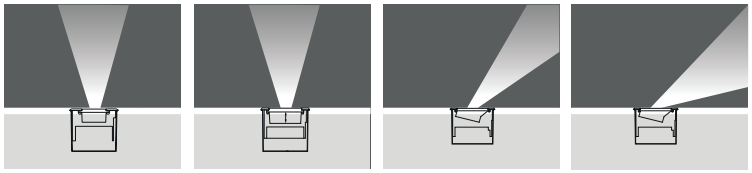
GORDION RECESSED LED FIXTURES
Class I IP67 IK08

The Gordion series is an adaption of the Belkis Recessed series without the stainless steel cover. Merely a painted glass finishes the look of the fixture. Once placed inside the stainless steel tube, the fixture can only be removed with a special tool. The Gordion series is designed to light walls, facades, columns, monuments, and trees. The fixtures are made of die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK08 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 40 degrees are available to choose from to achieve the desired light effect.

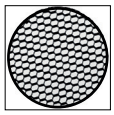


Body
Die cast aluminium
Recessing Tube
316L Stainless steel
Gaskets
Silicone
Diffusers
Tempered Glass with painted circumference

"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 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.



Symmetrical | Symmetrical Deep | 15° Asymmetrical | 25° Asymmetrical



Honeycomb

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.

GORDION

RECESSED LED FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

CRI : >80 or >90

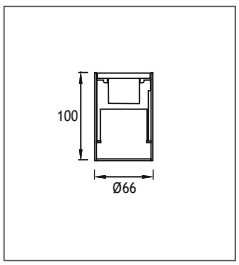
Cable : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

Gordion 1
Symmetrical **7° Asymmetrical**





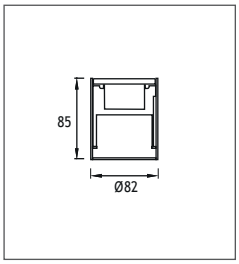


Power	Kelvin	Real Lumen Output	Lens	Code No Symmetrical	Code No 7° Asymmetrical
1W LED	2700 K	95 lm	10°,25°,40°	170004	170014
1W LED	3000 K	95 lm	10°,25°,40°	170001	170011
1W LED	4000 K	97 lm	10°,25°,40°	170002	170012
1W LED	6000 K	99 lm	10°,25°,40°	170003	170013

Gordion 2
Symmetrical **7° Asymmetrical**





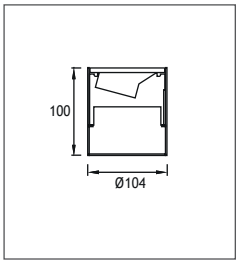


Power	Kelvin	Real Lumen Output	Lens	Code No Symmetrical	Code No 7° Asymmetrical
3W LED	2700 K	285 lm	10°,25°,40°	170104	170114
3W LED	3000 K	285 lm	10°,25°,40°	170101	170111
3W LED	4000 K	290 lm	10°,25°,40°	170102	170112
3W LED	6000 K	296 lm	10°,25°,40°	170103	170113

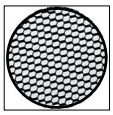
Gordion 2
15° Asymmetrical **25° Asymmetrical**







Power	Kelvin	Real Lumen Output	Lens	Code No 15° Asymmetrical	Code No 25° Asymmetrical
9W LED	2700 K	855 lm	10°,25°,40°	170144	170154
9W LED	3000 K	855 lm	10°,25°,40°	170141	170151
9W LED	4000 K	872 lm	10°,25°,40°	170142	170152
9W LED	6000 K	890 lm	10°,25°,40°	170143	170153



Honeycomb
Gordion 1: 953521
Gordion 2: 953522

GORDION

RECESSED LED FIXTURES
Class I IP67 IK08





POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver (12-24 VDC on request)

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

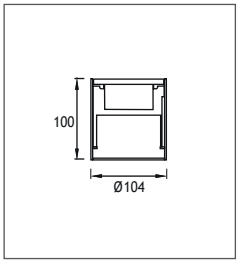
CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

Gordion 3
Symmetrical





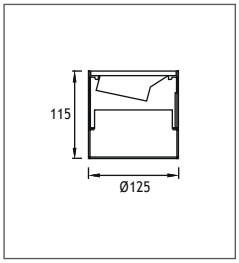
Power	Kelvin	Real Lumen Output	Lens	Code No Symmetrical
6W LED	2700 K	570 lm	10°,25°,40°	170204
6W LED	3000 K	570 lm	10°,25°,40°	170201
6W LED	4000 K	581 lm	10°,25°,40°	170202
6W LED	6000 K	593 lm	10°,25°,40°	170203

Gordion 3
15° Asymmetrical



25° Asymmetrical

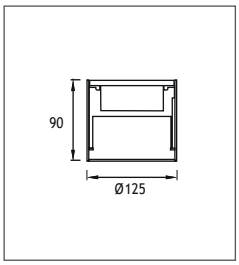




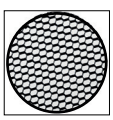
Power	Kelvin	Real Lumen Output	Lens	Code No 15° Asymmetrical	Code No 25° Asymmetrical
6W LED	2700 K	570 lm	10°,25°,40°	170214	170224
6W LED	3000 K	570 lm	10°,25°,40°	170211	170221
6W LED	4000 K	581 lm	10°,25°,40°	170212	170222
6W LED	6000 K	593 lm	10°,25°,40°	170213	170223

Gordion 4
Symmetrical





Power	Kelvin	Real Lumen Output	Lens	Code No Symmetrical
9W LED	2700 K	855 lm	10°,25°,40°	170304
9W LED	3000 K	855 lm	10°,25°,40°	170301
9W LED	4000 K	872 lm	10°,25°,40°	170302
9W LED	6000 K	890 lm	10°,25°,40°	170303



Honeycomb
Gordion 3: 953523
Gordion 4: 953524

EMFA

GORDION

RECESSED LED FIXTURES
Class I IP67 IK08



POWER LED (COB LED options available)

Voltage : 240V A.C with integrated driver
(12-24 VDC on request)

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

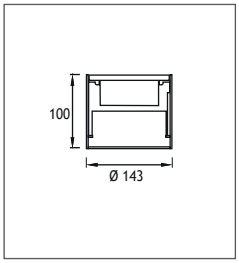
CRI : >80 or >90

Cable : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

Gordion 5
Symmetrical



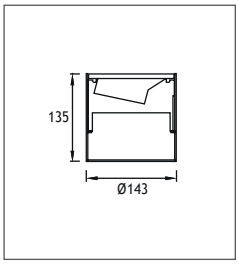


Power	Kelvin	Real Lumen Output	Lens	Code No Symmetrical
9W LED	2700 K	855 lm	10°,25°,40°	170404
9W LED	3000 K	855 lm	10°,25°,40°	170401
9W LED	4000 K	872 lm	10°,25°,40°	170402
9W LED	6000 K	890 lm	10°,25°,40°	170403

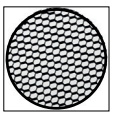
Gordion 5
15° Asymmetrical **25° Asymmetrical**







Power	Kelvin	Real Lumen Output	Lens	Code No 15° Asymmetrical	Code No 25° Asymmetrical
9W LED	2700 K	855 lm	10°,25°,40°	170414	170424
9W LED	3000 K	855 lm	10°,25°,40°	170411	170421
9W LED	4000 K	872 lm	10°,25°,40°	170412	170422
9W LED	6000 K	890 lm	10°,25°,40°	170413	170423



Honeycomb
Code No: 953525