



MILET ANI

RECESSED DRIVE OVER FIXTURES

Load 8 kN | 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 LED's. The Linear LEDs with special lenses gives 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

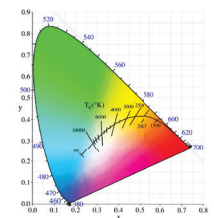
Screws

316L Stainless Steel

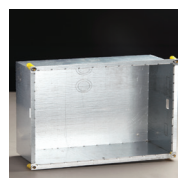
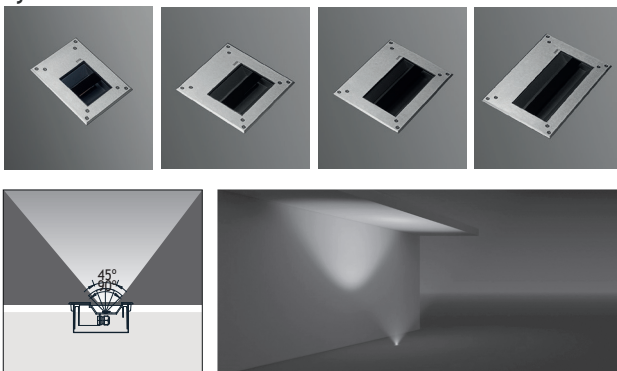


"Customization" is EMFA's standard

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, and 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

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.

Asymmetrical



Asym. Glass



Trenched Glass



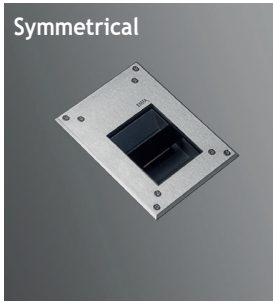
Milky Glass



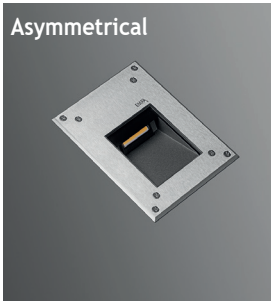
Clear Glass



Symmetrical

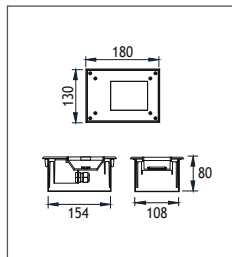
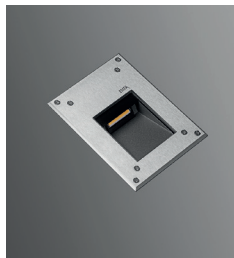
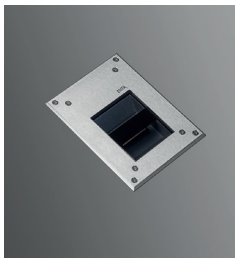


Asymmetrical



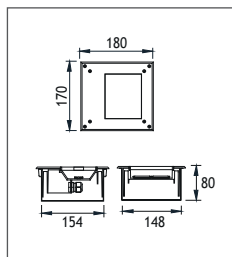
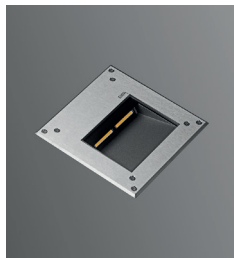
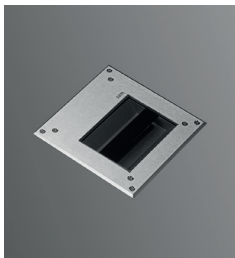
Led : Linear LEDs
Voltage : 240 VAC with integrated driver
 (12-24 VDC on request)
Diffuser : 8mm Tempered Glass
Beam Angle : 45° / 60° / 90°
Mac Adam : 3
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F

ANI 1



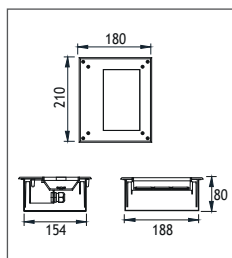
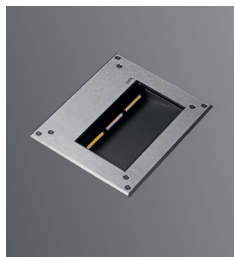
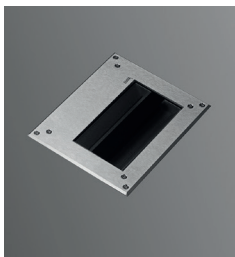
Power	Kelvin	Real Lumen Output	Code No	
			Symmetrical	Asymmetrical
6W	2700 K	570 lm	450003	450503
6W	3000 K	570 lm	450001	450501
6W	4000 K	690 lm	450002	450502
12W	2700 K	1140 lm	450013	450513
12W	3000 K	1140 lm	450011	450511
12W	4000 K	1195 lm	450012	450512

ANI 2



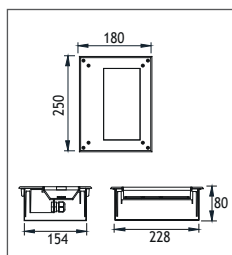
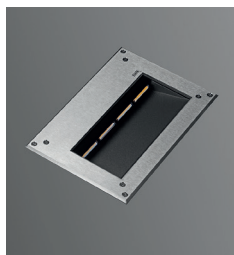
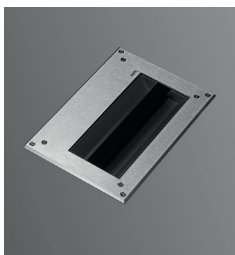
Power	Kelvin	Real Lumen Output	Code No	
			Symmetrical	Asymmetrical
12W	2700 K	1140 lm	450103	450603
12W	3000 K	1140 lm	450101	450601
12W	4000 K	1195 lm	450102	450602
24W	2700 K	2280 lm	450113	450613
24W	3000 K	2280 lm	450111	450611
24W	4000 K	2320 lm	450112	450612

ANI 3

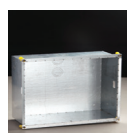


Power	Kelvin	Real Lumen Output	Code No	
			Symmetrical	Asymmetrical
18W	2700 K	1710 lm	450203	450703
18W	3000 K	1710 lm	450201	450701
18W	4000 K	1790 lm	450202	450702
36W	2700 K	3420 lm	450213	450713
36W	3000 K	3420 lm	450211	450711
36W	4000 K	3520 lm	450212	450712

ANI 4



Power	Kelvin	Real Lumen Output	Code No	
			Symmetrical	Asymmetrical
24W	2700 K	2280 lm	450303	450803
24W	3000 K	2280 lm	450301	450801
24W	4000 K	2320 lm	450302	450802
36W	2700 K	3420 lm	450313	450813
36W	3000 K	3420 lm	450311	450811
36W	4000 K	3520 lm	450312	450812



Galvanized Recessing Box

KNIDOS

RECESSED DRIVE OVER FIXTURES

Load 20 kN | Class I IP67 IK10

EMFA's Knidos series consists of a range of LED, metal halide, and fluorescent sources to deliver the desired light effect to facades, columns, monuments and trees. The fixture is made of a combination of 316L stainless steel and glass reinforced polyester, which makes it completely resistant to corrosion. The sturdy fixture allows loads up to 20kN and IK 10. The LEDs used come in 3 different tones of white, as well as blue, red, green, and amber. An anti-slip glass is available upon request.

Adjustable Asymmetrical LEDs

In this series EMFA is introducing its first adjustable asymmetric LED unit. The LEDs can be internally adjusted up to 40 degree to give the desired light output to facades, columns, monuments, and trees without losing light to the sky. The Knidos is large enough, and has enough surface area so that at an ambient temperature of 50° C, 9 LEDs can be operated at 350 mA (9W).

Cover

316L Stainless steel

Body

Glass reinforced polyester

Gaskets

Silicone

Diffusers

12 mm Tempered Glass

Screws

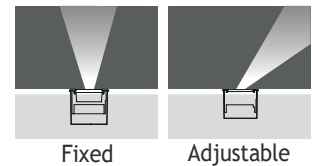
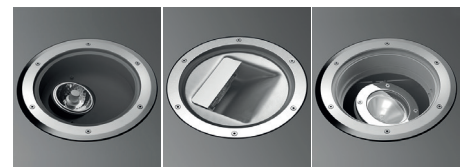
316L Stainless Steel

"Customization" is EMFA's standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 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.

Thermal Management

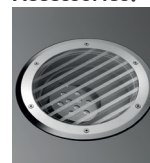
All fixtures are designed to withstand ambient temperatures of at least 50° C. The LEDs are mounted on metal core pcbs, which are mounted the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained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



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.

Accessories:



Anti-slip Glass

Please contact for this option.

KNIDOS

RECESSED DRIVE OVER FIXTURES

Load 20 kN | Class I IP67 IK10



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

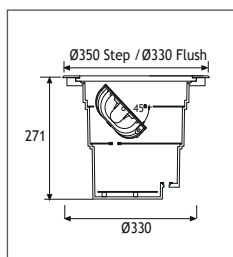
Diffuser : 12mm Clear Glass (Frosted Glass on request)

Mac Adam : 3

CRI : >80 or >90

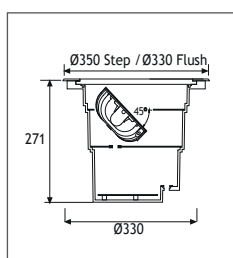
Cable : Potted 1m 3x1 H03 VV-F

LED



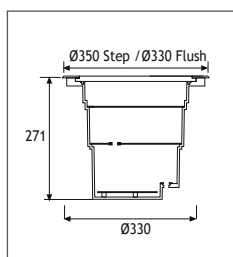
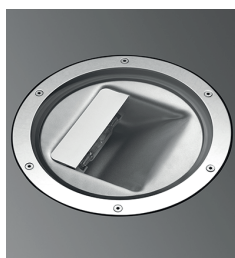
Power	Kelvin	Real Lumen Output	Lens	Code No Flush Mounted	Code No Step Mounted
9W	2700 K	810 lm	10°,25°,40°	258003	258013
9W	3000 K	810 lm	10°,25°,40°	258001	258011
9W	4000 K	891 lm	10°,25°,40°	258002	258012
18W	2700 K	1620 lm	10°,25°,40°	258021	258031
18W	3000 K	1620 lm	10°,25°,40°	258022	258032
18W	4000 K	1782 lm	10°,25°,40°	258023	258033

METAL HALIDE SPOT



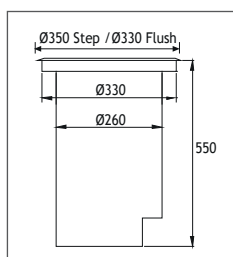
Power	Lampholder	Reflector	Code No Flush Mounted	Code No Step Mounted
CDMR-111 35W	Gx8,5	10°,40°	254301	254311
CDMR-111 70W	Gx8,5	10°,40°	254401	254411

METAL HALIDE WALLWASHER

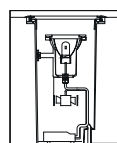


Power	Lampholder	Reflector	Code No Flush Mounted	Code No Step Mounted
35W	Rx 7s	Asym. 50°	251101	251201
70W	Rx 7s-24	Asym. 50°	251111	251211

METAL HALIDE



Power	Lampholder	Reflector	Code No Flush Mounted	Code No Step Mounted
35W	G12	30°,42°	257001	257101
70W	G12	30°,42°	257011	257111



Special Ventilation System
for Cooling



SANTOS 4

RECESSED DRIVE OVER FIXTURES

Load 10 kN | Class I IP67 IK10

EMFA's Santos flush 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. A shield above the lamp reduces the glare of the metal halide lamps. A mirror finish reflector allows for a narrow to wide beam light output. An anti-slip glass is available upon request.

Cover

316L Stainless steel

Body

Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box

Gaskets

Silicone

Diffusers

8 mm Tempered Glass

Screws

316L Stainless steel

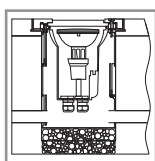
Glands

2 x PG 13.5

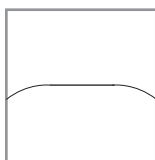
Recessing Tube

Polyamide 6

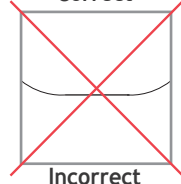
Mounting Feature



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.



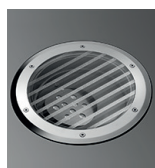
Correct



Incorrect

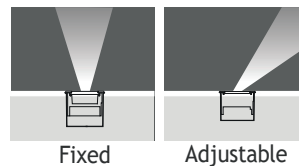
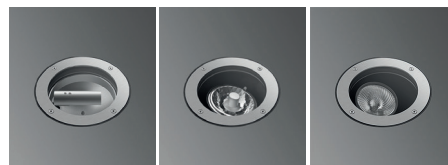


This fixture is also available with 2 screws instead of 4. For this option, please contact us.



Anti-slip Glass

Please contact for this option.



Fixed

Adjustable



SANTOS 4

RECESSED DRIVE OVER FIXTURES Load 10 kN | Class I IP67 IK10



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

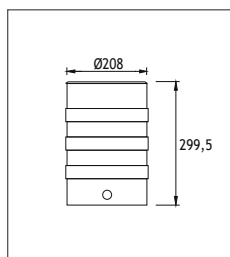
Diffuser : Clear Tempered Glass (Frosted Glass on request)

Mac Adam : 3

CRI : >80 or >90

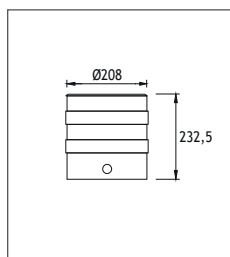
Cable : Potted 1m 3x1 H03 VV-F

LED



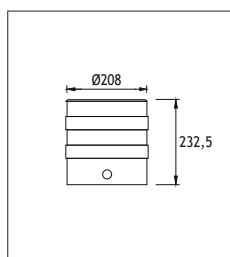
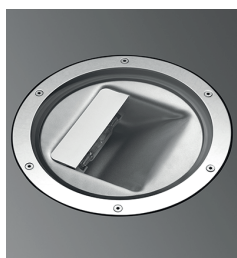
Power	Kelvin	Real Lumen Output	Lens	Code No
9W	2700 K	855 lm	10°,23°,36°	550211
9W	3000 K	855 lm	10°,23°,36°	550212
9W	4000 K	872 lm	10°,23°,36°	550213
18W	2700 K	1710 lm	10°,23°,36°	550203
18W	3000 K	1710 lm	10°,23°,36°	550201
18W	4000 K	1744 lm	10°,23°,36°	550202

HALOGEN



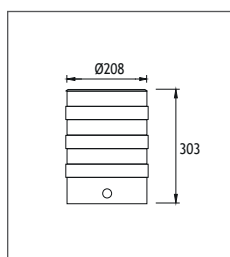
Power	Lampholder	Reflector	Code No
PAR30 75W	E27 Adjustable	38°	550101

METAL HALIDE



Power	Lampholder	Reflector	Code No
20W	G 8.5 Fixed	12°,36°	550111
35W	G 8.5 Fixed	12°,36°	550121
70W	G 8.5 Fixed	12°,36°	550131

METAL HALIDE



Power	Lampholder	Reflector	Code No
35W	Gx8,5 Adjustable	10°,40°	550151
70W	Gx8,5 Adjustable	10°,40°	550161

SANTOS 5

RECESSED DRIVE OVER FIXTURES

Load 6 kN | Class I IP67 IK10

EMFA's Santos 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. A shield above the lamp reduces the glare of the metal halide lamps. A mirror finish reflector allows for a narrow to wide beam light output. An anti-slip glass is available upon request.

Cover

316L Stainless steel

Body

Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box

Gaskets

Silicone

Diffusers

8 mm Tempered Glass

Screws

316L Stainless steel

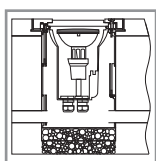
Glands

2 x PG 13.5

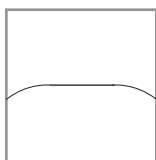
Recessing Tube

Polyamide 6

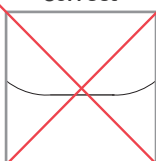
Mounting Feature



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.



Correct



Incorrect

When mounting the fixture on uneven surfaces, place so that the water does not accumulate on the surface of the fixture.

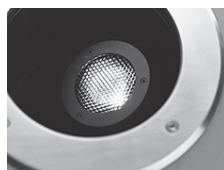


This fixture is also available with 2 screws instead of 4. For this option, please contact us.



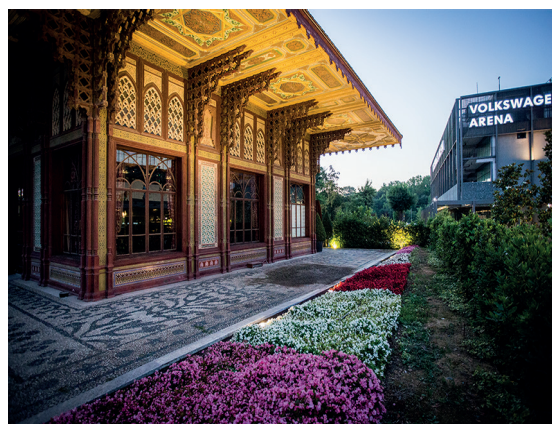
Anti-slip Glass

Please contact for this option.



Fixed

Adjustable



SANTOS 5

RECESSED DRIVE OVER FIXTURES

Load 6 kN | Class I IP67 IK10



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

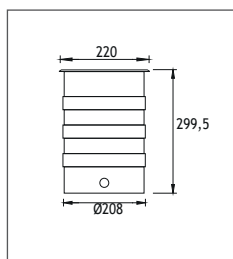
Diffuser : 12mm Clear Glass (Frosted Glass on request)

Mac Adam : 3

CRI : >80 or >90

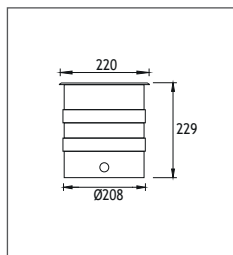
Cable : Potted 1m 3x1 H03 VV-F

LED



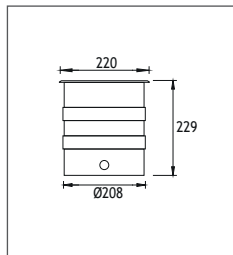
Power	Kelvin	Real Lumen Output	Lens	Code No	
				Round	Square
9W	2700 K	855 lm	10°,23°,36°	551321	551331
9W	3000 K	855 lm	10°,23°,36°	551322	551332
9W	4000 K	872 lm	10°,23°,36°	551323	551333
18W	2700 K	1710 lm	10°,23°,36°	551303	551313
18W	3000 K	1710 lm	10°,23°,36°	551301	551311
18W	4000 K	1744 lm	10°,23°,36°	551302	551312

HALOGEN



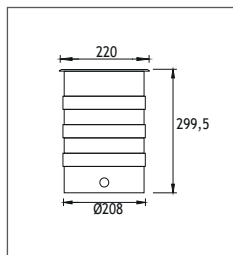
Power	Lampholder	Reflector	Code No	
			Round	Square
PAR30 75W	E27 Adjustable	38°	551101	551201

METAL HALIDE



Power	Lampholder	Reflector	Code No	
			Round	Square
20W	G 8.5 Fixed	12°,36°	551111	551211
35W	G 8.5 Fixed	12°,36°	551121	551221
70W	G 8.5 Fixed	12°,36°	551131	551231

METAL HALIDE SPOT



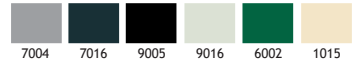
Power	Lampholder	Reflector	Code No	
			Round	Square
35W	Gx8,5 Adjustable	10°,40°	551151	551251
70W	Gx8,5 Adjustable	10°,40°	551161	551261

TEOS 3

RECESSED DRIVE OVER FIXTURES

Load 50 kN | Class I IP67 IK10

Available in any
of these RAL colors



EMFA's Teos 3 Recessed Drive Over LED Fixture is specially designed to deliver high output LED light to ground surfaces of roads, carparks and pathways. This heavy duty fixture is designed to withstand the weight of large vehicles. Its robust construction allows for a maximum static load of 5000kg. The body and head of the fixture are made of die cast aluminium, while the recessing tube is made of steel to withstand the repeated impact of driving vehicles' tires. The high power LEDs are positioned and angled to provide maximum light output. The electronic LED driver is housed in the base of the fixture. The fixture comes with 2 x PG13.5 cable glands and 0.5m cable.

Cover

Die cast aluminium

Body

Die cast aluminium

Gaskets

Silicone

Diffusers

Polycarbonate

Screws

316L Stainless steel

Glands

2 x PG 13.5

Cable

0.5m 3x0,75 mm H05VV-F

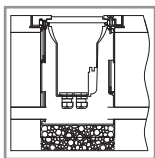
Recessing Tube

Electrostatic powder paint

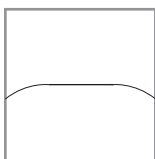
Coated steel



Mounting Feature

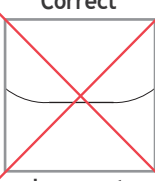


Provide at least 30 cm of drainage gravel to avoid the accumulation of water under the fixture.
To make the fixture drive over, the recessing tube should be mounted flush to the ground.



Correct

When mounting the fixture on uneven surfaces, place so that the water does not accumulate on the surface of the fixture.



Incorrect

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 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.

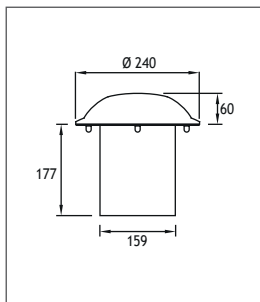
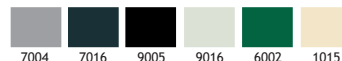
EMFA

TEOS 3

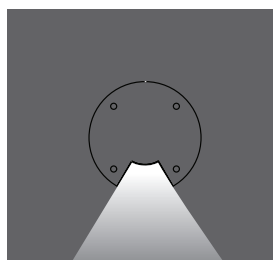
RECESSED DRIVE OVER FIXTURES

Load 50 kN | Class I IP67 IK10

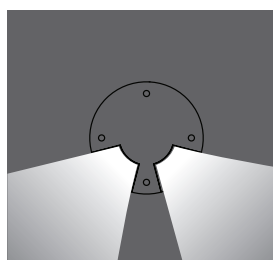
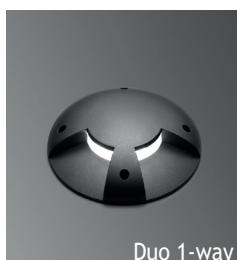
Available in any
of these RAL colors



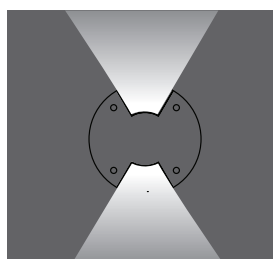
Led : Linear LEDs
Voltage : 240 VAC with integrated driver
 (12-24 VDC on request)
Diffuser : Polycarbonate
CRI : >80 or >90
Cable : Potted 1m 3x1 H03 VV-F



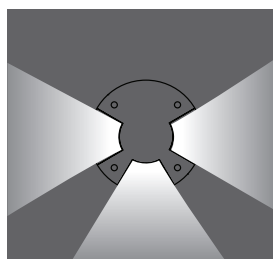
Power	Kelvin	Real Lumen Output	Code No
1 x 4W	2700 K	1 x 380 lm	180103
1 x 4W	3000 K	1 x 380 lm	180101
1 x 4W	4000 K	1 x 418 lm	180102



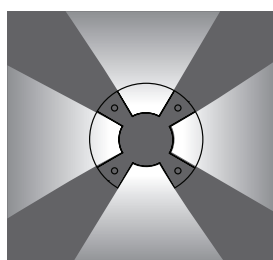
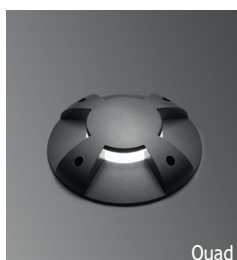
Power	Kelvin	Real Lumen Output	Code No
2 x 4W	2700 K	2 x 380 lm	180113
2 x 4W	3000 K	2 x 380 lm	180111
2 x 4W	4000 K	2 x 392 lm	180112



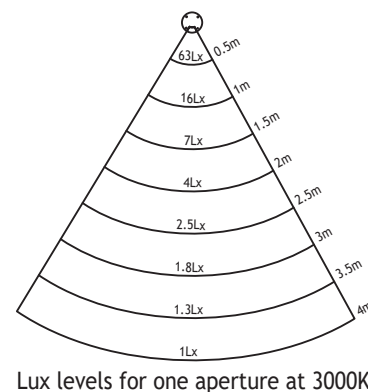
Power	Kelvin	Real Lumen Output	Code No
2 x 4W	2700 K	2 x 380 lm	180123
2 x 4W	3000 K	2 x 380 lm	180121
2 x 4W	4000 K	2 x 392 lm	180122



Power	Kelvin	Real Lumen Output	Code No
3 x 4W	2700 K	3 x 380 lm	180133
3 x 4W	3000 K	3 x 380 lm	180131
3 x 4W	4000 K	3 x 392 lm	180132



Power	Kelvin	Real Lumen Output	Code No
4 x 4W	2700 K	4 x 380 lm	180143
4 x 4W	3000 K	4 x 380 lm	180141
4 x 4W	4000 K	4 x 392 lm	180142





MIRA

RECESSED DRIVE OVER FIXTURES

Load 20 kN | Class I IP67 IK10

The Mira series consists of a range of LED and fluorescent 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 drive 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 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 6 to 40 degrees are available to choose from to achieve the desired the light effect.

Cover

316L Stainless steel

Body

Die cast aluminium

Diffusers

12 mm Tempered Glass

Gaskets

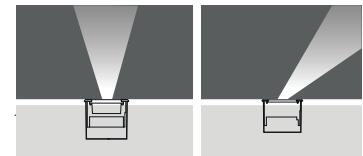
Silicone

Screws

316L Stainless steel

Recessing Box

Stainless steel



Symmetrical

Asymmetrical

“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 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

RECESSED DRIVE OVER FIXTURES

Load 20 kN | Class I IP67 IK10

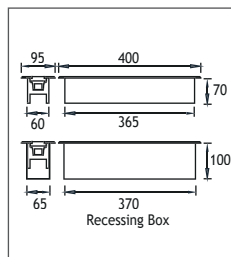


- Led** : Power LEDs
- Voltage** : 240 VAC with integrated driver (12-24 VDC on request)
- Diffuser** : 12mm Tempered Glass
- Beam Angle** : 45° / 60° / 90°
- Mac Adam** : 3
- CRI** : >80 or >90
- Cable** : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;

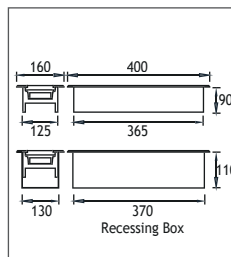
Blue Amber Green Red

MIRA 1 LED



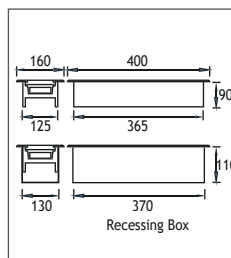
Power	Kelvin	Real Lumen Output	Lens	Code No	
				Symmetrical	Asymmetrical
12W	2700 K	1140 lm	10°,25°,40°	430118	430354
12W	3000 K	1140 lm	10°,25°,40°	430111	430351
12W	4000 K	1160 lm	10°,25°,40°	430116	430352
12W	6000 K	1185 lm	10°,25°,40°	430117	430353
27W	RGB	Red Green Blue	25°,40°	430161	430361

MIRA 2 LED



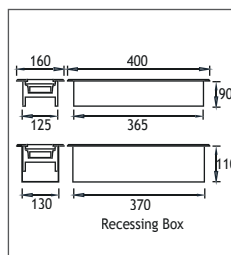
Power	Kelvin	Real Lumen Output	Lens	Code No	
				Symmetrical	Asymmetrical
36W	2700 K	3420 lm	10°,25°,40°	430614	430608
36W	3000 K	3420 lm	10°,25°,40°	430611	430601
36W	4000 K	3488 lm	10°,25°,40°	430612	430606
36W	6000 K	3557 lm	10°,25°,40°	430613	430607
27W	RGB	Red Green Blue	25°,40°	430621	430631

MIRA 2 LED



Power	Kelvin	Real Lumen Output	Code No
			Symmetrical
12W	2700 K	1140 lm	430723
12W	3000 K	1140 lm	430721
12W	4000 K	1160 lm	430822
12W	6000 K	1185 lm	430724

MIRA 2 METAL HALIDE



Power	Lampholder	Code No
		Asymmetrical
70W	G 8,5 METAL HALIDE	430711

ASSOS 2

RECESSED DRIVE OVER FIXTURES

Load 15 kN | Class I IP67 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
------	------	------	------	------	------

EMFA's Assos 2 series is specially designed to light facades, columns, monuments and trees with a die cast aluminium grill protecting the glass. The fixture can be equipped with metal halide, halogen or fluorescent lamps. The fixture is made completely of die cast aluminium body, which allows for IP67 and IK10 and a load of 15kN. 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.

Cover

Die cast aluminium

Body

Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

8 mm Tempered Glass

Screws

316L Stainless steel

Glands

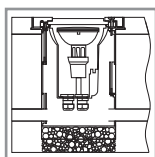
2 x PG 13.5

Recessing Tube

Polyamide 6



Mounting Feature

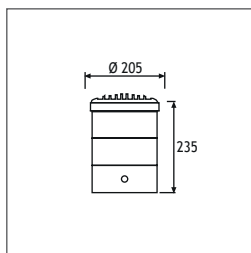


Provide at least 30 cm of drainage gravel to avoid the accumulation of water under the fixture. To make the fixture drive over, the recessing tube should be mounted flush to the ground.



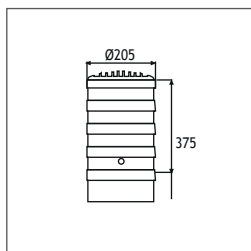
This fixture is suitable for helicopter landing pads due to its heavy duty aluminium cover.

HALOGEN



Power	Lampholder	Reflector	Code No
PAR30 75W	E27	38°	201131

METAL HALIDE



Power	Lampholder	Reflector	Code No
35W	G 12 Adjustable	30°, 42°	201141
70W	G 12 Adjustable	30°, 42°	201151
150W	G 12 Adjustable	30°, 42°	201161

ASSOS 3

RECESSED DRIVE OVER FIXTURES

Load 15 kN | Class I IP67 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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EMFA's Assos 3 series is specially designed to light pathways, roads, and gardens. The fixture can be equipped with LED, halogen or fluorescent lamps. The fixture has 3 different options of cover: Multi, Mono, Dual, and Wall to give different lighting effects. In combination with the die cast aluminium body, the fixture allows for IP67 and IK10 and a load of 15kN. The fixture comes with a polyamide recessing tube for easy mounting in the ground or concrete.

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

Glands

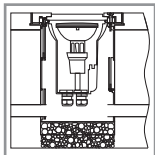
2 x PG 13.5

Recessing Tube

Polyamide 6



Mounting Feature



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.

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

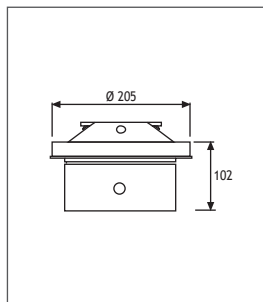
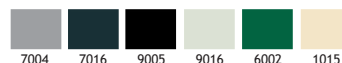
All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained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

ASSOS 3

RECESSED DRIVE OVER FIXTURES

Load 15 kN | Class I IP67 IK10

Available in any
of these RAL colors



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

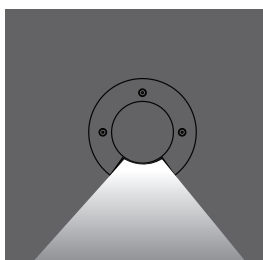
Diffuser : Polycarbonate

CRI : >80 or >90

Cable : Potted 1m 3x1 H03 VV-F



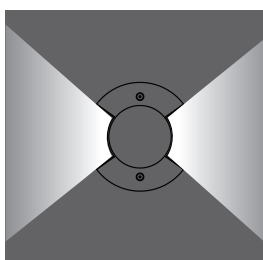
Mono



Power	Kelvin	Real Lumen Output	Code No
1 x 4W LED	2700 K	1 x 380 lm	203142
1 x 4W LED	3000 K	1 x 380 lm	203141
1 x 4W LED	4000 K	1 x 387 lm	203143
1 x 4W LED	6000 K	1 x 395 lm	203144
HALOGEN 25-40W		G9	203101



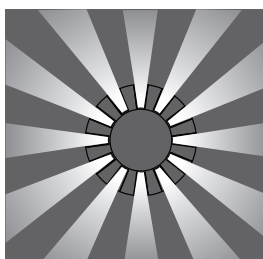
Dual



Power	Kelvin	Real Lumen Output	Code No
2 x 4W LED	2700 K	2 x 380 lm	204142
2 x 4W LED	3000 K	2 x 380 lm	204141
2 x 4W LED	4000 K	2 x 387 lm	204143
2 x 4W LED	6000 K	2 x 395 lm	204144
HALOGEN 25-40W		G9	204101



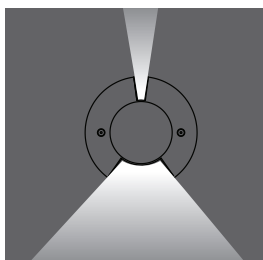
Multi



Power	Kelvin	Real Lumen Output	Code No
1 x 11W LED	2700 K	1045 lm	202142
1 x 11W LED	3000 K	1045 lm	202141
1 x 11W LED	4000 K	1065 lm	202143
1 x 11W LED	6000 K	1087 lm	202144
HALOGEN 25-40W		G9	202101



Wall



Power	Kelvin	Real Lumen Output	Code No
2 x 4W LED	2700 K	2 x 380 lm	205142
2 x 4W LED	3000 K	2 x 380 lm	205141
2 x 4W LED	4000 K	2 x 387 lm	205143
2 x 4W LED	6000 K	2 x 395 lm	205144
HALOGEN 25-40W		G9	205101

ASSOS

RECESSED DRIVE OVER FIXTURES

Load 15 kN | Class I IP67 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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EMFA's Assos 4 series is specially designed to light facades, columns, monuments and trees. The fixture can be equipped with metal halide, halogen or fluorescent lamps. The fixture has 3 different options of cover: 316 stainless steel, die cast aluminium or bronze in combination with the die cast aluminium body which allows for IP67 and IK10 and a load of 15kN. 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 / 316L Stainless Steel

Body

Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

15 mm Tempered Glass

Screws

316L Stainless steel

Glands

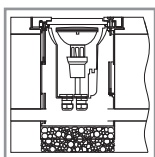
2 x PG 13.5

Recessing Tube

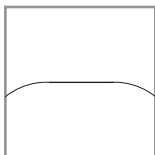
Polyamide 6



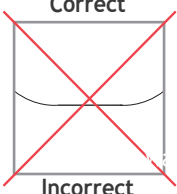
Mounting Feature



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.

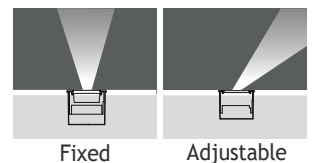
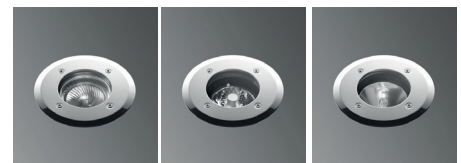
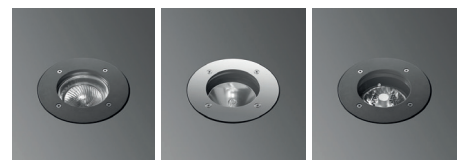


Correct



Incorrect

When mounting the fixture on uneven surfaces, place so that the water does not accumulate on the surface of the fixture.



Fixed

Adjustable

Accessories:



Louvre

To avoid glare.

Can be applied to all lamp types except Halogen PAR 30 and 38 Code No 955105



Dichroic Color Glass Filter

Can be applied to all lamp types except Halogen PAR 38.

Code No 955101 - Blue

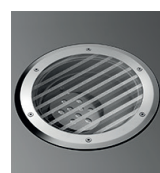
Code No 955102 - Red

Code No 955103 - Yellow

Code No 955104 - Green

Caution:

The louvre and filter cannot be applied to the standard fixture. These options should be mentioned when ordering.



Anti-slip Glass

Please contact for this option.

ASSOS

RECESSED DRIVE OVER FIXTURES

Load 15 kN | Class I IP67 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
------	------	------	------	------	------



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

Diffuser : 12mm Clear Glass (Frosted Glass on request)

Cable : Potted 1m 3x1 H03 VV-F

ASSOS 4 HALOGEN



Power	Lampholder	Reflector	Code No	
			Alum	Inox
PAR30 75W	E27 Adjustable	38°	221311	221321

ASSOS 4 METAL HALIDE



Power	Lampholder	Reflector	Code No	
			Alum	Inox
35W M.H.	Gx8.5 Adjustable	12°, 36°	206271	207271
70W M.H.	Gx8.5 Adjustable	12°, 36°	551121	551221
35W M.H.	G 12 Adjustable	30°, 42°	206241	207241
70W M.H.	G 12 Adjustable	30°, 42°	206251	207251
150W M.H.	G 12 Adjustable	30°, 42°	206261	207261

ASSOS 4 HALOGEN



Power	Lampholder	Reflector	Code No	
			Alum	Inox
PAR30 75W	E27 Adjustable	38°	221391	
HALOGEN RJ111 50W	G 53	38°	221291	

ASSOS 4 HALOGEN



Power	Lampholder	Reflector	Code No	
			Alum	Inox
35W M.H.	Gx8.5 Adjustable	12°, 36°	212271	
70W M.H.	G 12 Adjustable	30°, 42°	212241	
35W M.H.	Gx8.5 Adjustable	12°, 36°	212201	
70W M.H.	G 12 Adjustable	30°, 42°	212211	
150W M.H.	G 12 Adjustable	30°, 42°	212221	