

Harran Series



EMFA

HARRAN

LED SPOTS

Class I IP67 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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The Harran Spot series has an LED source to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die cast aluminium and painted with electrostatic powder paint. 6 standard RAL colors can be chosen from to adapt the spots to their environment (grey, anthracite, black, white, green and beige). The spots can be mounted on surfaces, in the ground or concrete with a picket, or on a pole with the addition of a simple adaptor. Once installed, the special joint system allows for 100° horizontal and 180° vertical adjustment.

The LEDs used come in 3 different tones of white (2700K/ 3000K/ 4000K/ 6000K). Several lenses from 10° /25° /40° /60°degrees are available to choose from to achieve the desired light effect.

Body

Die cast aluminium

Paint

Electrostatic powder

Gearbox Cover

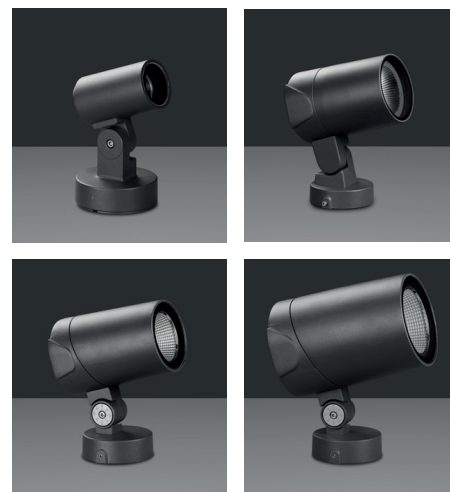
Die cast aluminium

Gaskets

Silicone

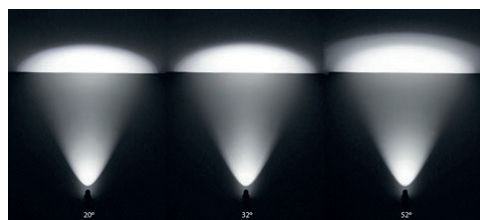
Diffusers

Tempered Glass



“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, 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.

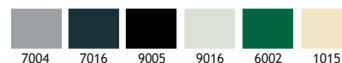


LEDs

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 is current as of March 2025. 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.

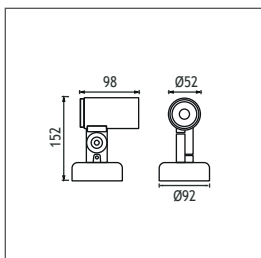
Thermal Management

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.



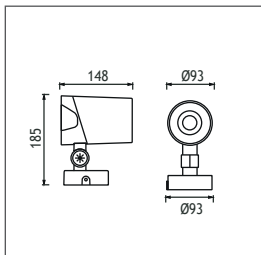
COB LED : 220- 240 VAC (12-24 VDC on request)
Voltage : 220-240VAC with integrated driver
 (24V AC or DC on request)
Lens : 10°, 25°, 40° or 60°
Diffuser : Clear Glass 8 mm (Frosted Glass on request)
Cable : Potted 2 m 3x1 H03 VV-F

HARRAN MINI



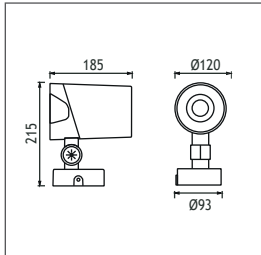
Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°,60°	155001
6W LED	3000 K	570 lm	10°,25°,40°,60°	155002
6W LED	4000 K	581 lm	10°,25°,40°,60°	155003
6W LED	6000 K	592 lm	10°,25°,40°,60°	155004

HARRAN 2



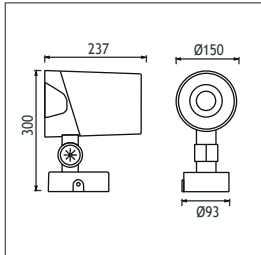
Power	Kelvin	Real Lumen Output	Lens	Code No
18W LED	2700 K	1710 lm	10°,25°,40°,60°	155101
18W LED	3000 K	1710 lm	10°,25°,40°,60°	155102
18W LED	4000 K	1744 lm	10°,25°,40°,60°	155103
18W LED	6000 K	1779 lm	10°,25°,40°,60°	155104

HARRAN 3

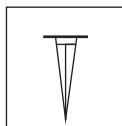


Power	Kelvin	Real Lumen Output	Lens	Code No
36W LED	2700 K	3420 lm	10°,25°,40°,60°	155201
36W LED	3000 K	3420 lm	10°,25°,40°,60°	155202
36W LED	4000 K	3480 lm	10°,25°,40°,60°	155203
36W LED	6000 K	3550 lm	10°,25°,40°,60°	155204

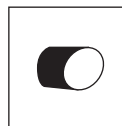
HARRAN 4



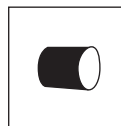
Power	Kelvin	Real Lumen Output	Lens	Code No
70W LED	2700 K	6650 lm	10°,25°,40°,60°	155301
70W LED	3000 K	6650 lm	10°,25°,40°,60°	155302
70W LED	4000 K	6780 lm	10°,25°,40°,60°	155303
70W LED	6000 K	6920 lm	10°,25°,40°,60°	155304



For Harran
Picket
 Code No: 953941



Visor
 Code No: 953942



Cylinder Visor
 Code No: 953943



Honeycomb
 Code No: 953944



Clamp
 Code No: 953945



HARRAN MINI

LED BOLLARD

Class I IP65 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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EMFA's HARRAN Bollard series combines a die cast aluminium head with an extrusion aluminium pipe to provide a sturdy, outdoor bollard. The fixture is designed to light pathways, landscapes and open spaces. The HARRAN Bollard gives light both in the downward and upward direction. The light is very directional. Visors and honeycomb louvers can be used to avoid extra glare. The head contains LEDs that can be powered up to 6W. An optional galvanized steel anchorage kit is available for mounting into concrete. An alternative option is sleeve anchors for mounting onto existing concrete.



Body

Die cast aluminium

Paint

Electrostatic powder

Gearbox Cover

Stainless steel

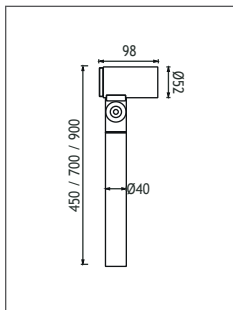
Gaskets

Silicone

Diffusers

Tempered Glass

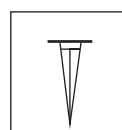
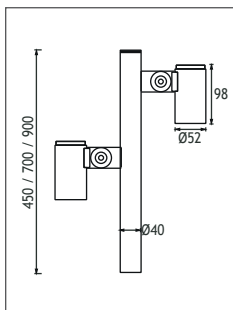
Harran Mini Single



Power	Kelvin	Real Lumen Output	Lens	45 cm	Code No 70 cm	90 cm
6W LED	2700 K	570 lm	10°,25°,40°	175001	175101	175201
6W LED	3000 K	570 lm	10°,25°,40°	175002	175102	175202
6W LED	4000 K	581 lm	10°,25°,40°	175003	175103	175203
6W LED	6000 K	592 lm	10°,25°,40°	175004	175104	175204

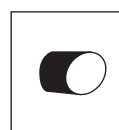
2xPower	Kelvin	Real Lumen Output	Lens	45 cm	Code No 70 cm	90 cm
6W LED	2700 K	570 lm	10°,25°,40°	176001	176101	176201
6W LED	3000 K	570 lm	10°,25°,40°	176002	176102	176202
6W LED	4000 K	581 lm	10°,25°,40°	176003	176103	176203
6W LED	6000 K	592 lm	10°,25°,40°	176004	176104	176204

Harran Mini Twin

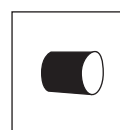


For
Harran

Picket
Code No: 953661



Visor
Code No: 953662



Cylinder Visor
Code No: 953663



Honeycomb
Code No: 953664