Harran Series



EMFA

HARRAN LED SPOTS
Class I IP67 IK10

Available in any of these RAL colors

7004 7016 9005 9016 6002 1015

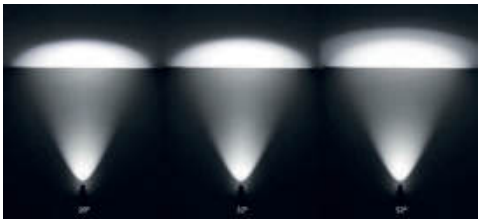
The Harran Spot series has an LED source to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die cast aluminium and painted with electrostatic powder paint. 6 standard RAL colors can be chosen from to adapt the spots to their environment (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 4 different tones of white (2700K, 3000K, 4000K, 6000K). Several lenses from 10 to 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 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 50ºC. 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.

HARRAN

LED SPOTS
Class I IP67 IK10

Available in any of these RAL colors

7004 7016 9005 9016 6002 1015



COB LED

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

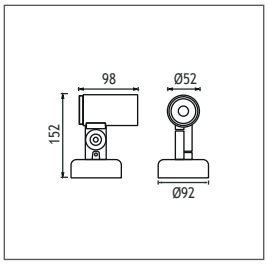
Lens : 10°, 25°, 40° or 60°

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

Cable : Potted 2 m 3x1 H03 VV-F

HARRAN MINI

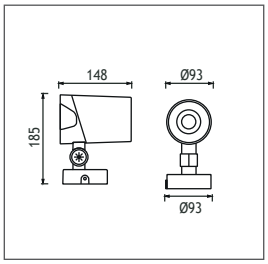




Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°,60°	155001
6W LED	3000 K	570 lm	10°,25°,40°,60°	155002
6W LED	4500 K	581 lm	10°,25°,40°,60°	155003
6W LED	6000 K	592 lm	10°,25°,40°,60°	155004

HARRAN 2

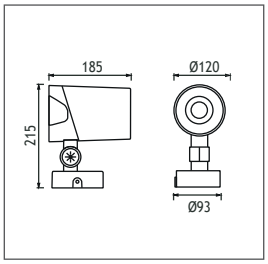




Power	Kelvin	Real Lumen Output	Lens	Code No
18W LED	2700 K	1710 lm	10°,25°,40°,60°	155101
18W LED	3000 K	1710 lm	10°,25°,40°,60°	155102
18W LED	4500 K	1744 lm	10°,25°,40°,60°	155103
18W LED	6000 K	1779 lm	10°,25°,40°,60°	155104

HARRAN 3

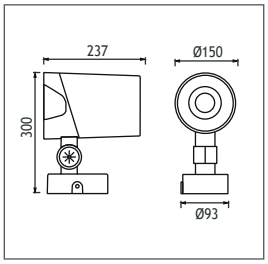




Power	Kelvin	Real Lumen Output	Lens	Code No
36W LED	2700 K	3420 lm	10°,25°,40°,60°	155201
36W LED	3000 K	3420 lm	10°,25°,40°,60°	155202
36W LED	4500 K	3480 lm	10°,25°,40°,60°	155203
36W LED	6000 K	3550 lm	10°,25°,40°,60°	155204

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	4500 K	6780 lm	10°,25°,40°,60°	155303
70W LED	6000 K	6920 lm	10°,25°,40°,60°	155304

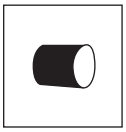
For Harran



Picket
Code No: 953941



Visor
Code No: 953942



Cylinder Visor
Code No: 953943



Honeycomb
Code No: 953944



Clamp
Code No: 953945

EMFA


GYM

HARRAN MINI LED BOLLARD
Class I IP65 IK10

Available in any of these RAL colors

7004 7016 9005 9016 6002 1015

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.



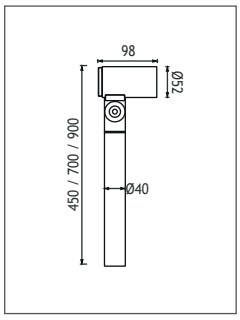




Body
Die cast aluminium
Paint
Electrostatic powder
Gearbox Cover
Stainless steel
Gaskets
Silicone
Diffusers
Tempered Glass

Harran Mini Single

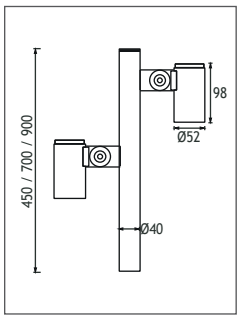




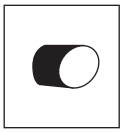
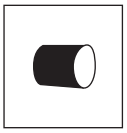
Power	Kelvin	Real Lumen Output	Lens	Code No 45 cm	70 cm	90 cm
6W LED	2700 K	570 lm	10°,25°,40°	175001	175101	175201
6W LED	3000 K	570 lm	10°,25°,40°	175002	175102	175202
6W LED	4500 K	581 lm	10°,25°,40°	175003	175103	175203
6W LED	6000 K	592 lm	10°,25°,40°	175004	175104	175204

Harran Mini Twin





Power	Kelvin	Real Lumen Output	Lens	Code No 45 cm	70 cm	90 cm
2x6W LED	2700 K	1140 lm	10°,25°,40°	176001	176101	176201
2x6W LED	3000 K	1140 lm	10°,25°,40°	176002	176102	176202
2x6W LED	4500 K	1162 lm	10°,25°,40°	176003	176103	176203
2x6W LED	6000 K	1186 lm	10°,25°,40°	176004	176104	176204

For Harran	Picket	Visor	Cylinder Visor	Honeycomb
				
	Code No: 953661	Code No: 953662	Code No: 953663	Code No: 953664