

 Leon 2 Bollard
fixed & adjustable



EMFA

LEON 2 LED BOLLARD

Class I IP65

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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EMFA's Leon Bollard combines a die-cast aluminium head housing an LED unit with an extrusion stainless steel pipe. The bollard is designed to light pathways, landscapes and open spaces. The Leon bollard gives light only in the downward direction. This avoids any kind of glare and light pollution. The head and pipe are connected by a hidden screw within the pipe. The head contains LEDs that can be powered up to 6-12W. An optional aluminium anchorage kit is available for mounting into concrete. An alternative option is sleeve anchors for mounting onto existing concrete or a picket to mount into the earth.

Head

Die cast aluminium

Diffusers

Frosted polyamide 6.6

Pipe

316L Stainless Steel

Paint

Electrostatic powder



Fixed



Adjustable



"Customization" is EMFA's standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 3 standard paint colors, 2 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.



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.

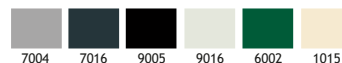
Thermal Management

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.

LEON 2

LED BOLLARD Fixed & Adjustable Class I IP65

Available in any
of these RAL colors



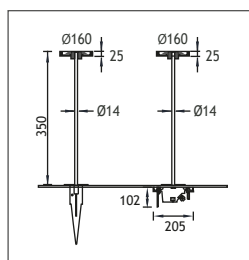
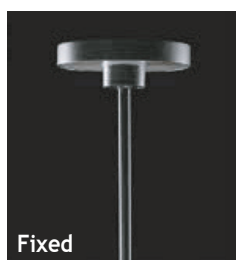
Head
Die Cast Aluminium
Diffusers
Frosted polyamide 6.6
Pipe
316L Stainless Steel
Paint
Electrostatic powder

CIRCULAR LED

Led : Circular LEDs (6W or 12W)
Voltage : 12-24V External Driver
(12-24 VDC on request)
CRI : >80

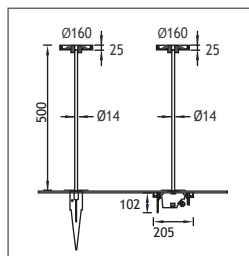
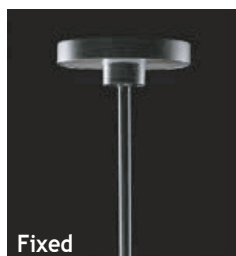


350mm



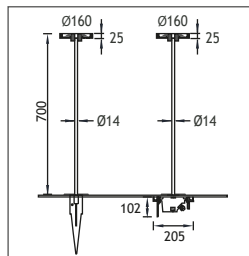
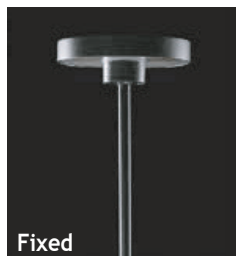
Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	270003	270103
6W	3000 K	720 lm	270001	270101
6W	4000 K	790 lm	270002	270102
12W	2700 K	1380 lm	270013	270113
12W	3000 K	1380 lm	270011	270111
12W	4000 K	1380 lm	270012	270112

500mm



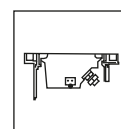
Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	271003	271103
6W	3000 K	720 lm	271001	271101
6W	4000 K	790 lm	271002	271102
12W	2700 K	1380 lm	271013	271113
12W	3000 K	1380 lm	271011	271111
12W	4000 K	1380 lm	271012	271112

700mm

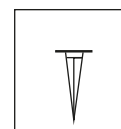


Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	272003	272103
6W	3000 K	720 lm	272001	272101
6W	4000 K	790 lm	272002	272102
12W	2700 K	1380 lm	272013	272113
12W	3000 K	1380 lm	272011	272111
12W	4000 K	1380 lm	272012	272112

For
LEON 2



Recessing Tube
Internal Driver
Code No: 953641



Picket
External Driver
Code No: 953642

EMFA

