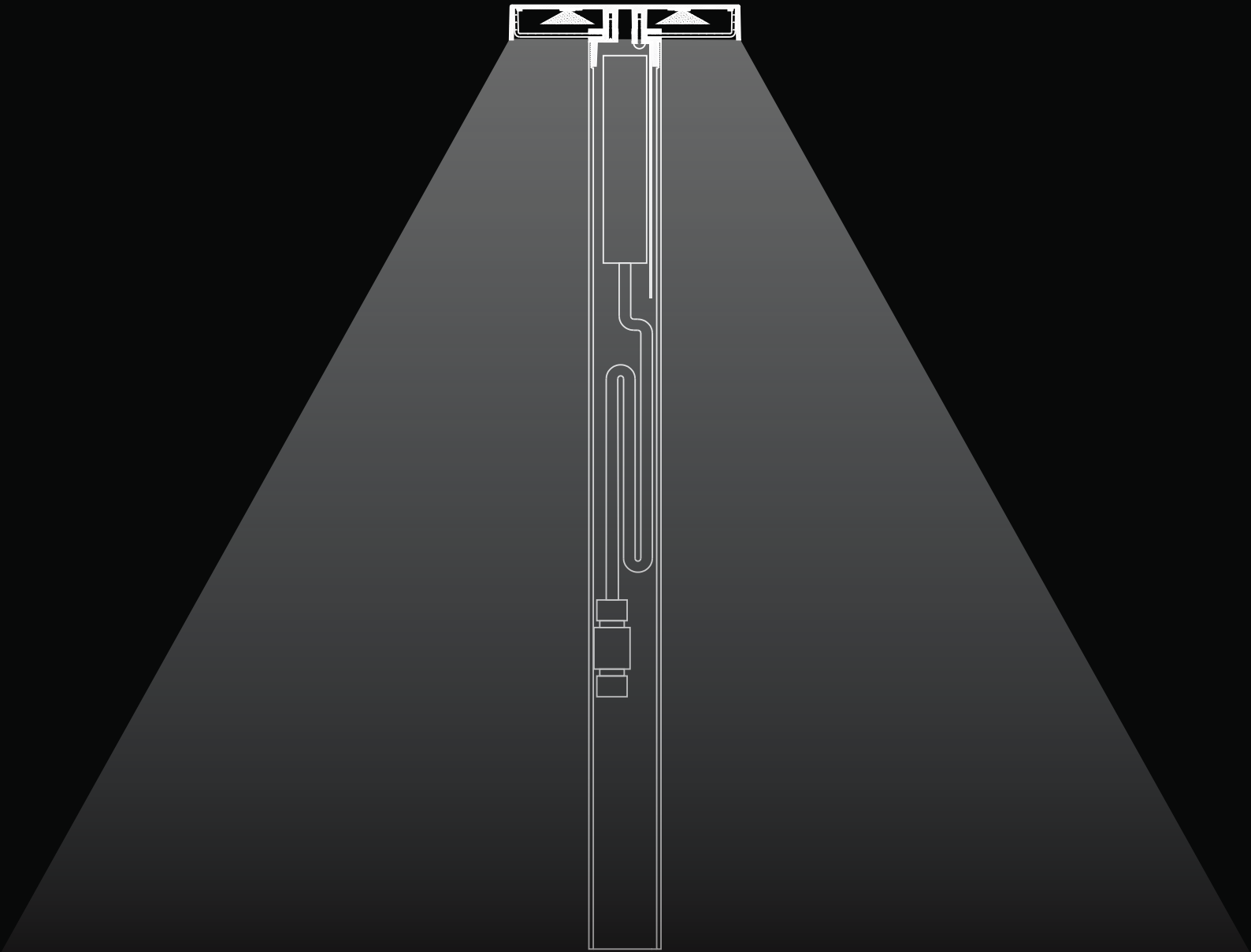


EMFA



Leon Bollard





EMFA's Leon Bollard combines a die-cast aluminium head housing an LED unit with an extrusion aluminium pipe.

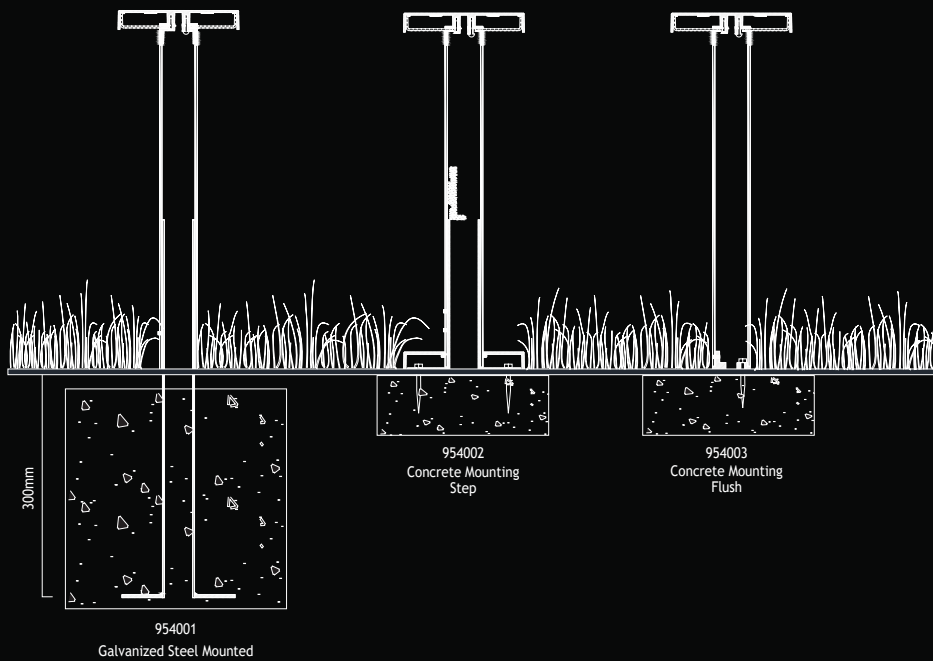
The bollard is designed to light pathways, landscapes and open spaces.

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 12W.

An optional galvanized steel 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.



<b>LEON (350mm)</b>			
350 mA (6W) LINEAR LED	Total Lumen Output	Code No	
☀ Warm White 3000 K	720 lm	177001	
☀ Natural White 4000 K	790 lm	177002	

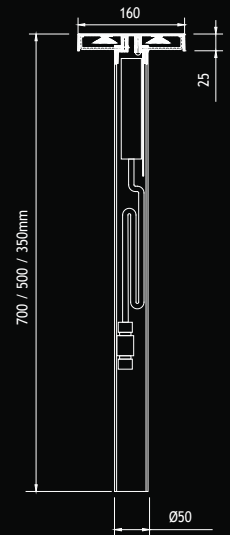
<b>LEON (500mm)</b>			
350 mA (6W) LINEAR LED	Total Lumen Output	Code No	
☀ Warm White 3000 K	720 lm	177101	
☀ Natural White 4000 K	790 lm	177102	

<b>LEON (700mm)</b>			
350 mA (6W) LINEAR LED	Total Lumen Output	Code No	
☀ Warm White 3000 K	720 lm	177201	
☀ Natural White 4000 K	790 lm	177202	

<b>LEON (350mm)</b>			
700 mA (12W) LINEAR LED	Total Lumen Output	Code No	
☀ Warm White 3000 K	1380 lm	177011	
☀ Natural White 4000 K	1380 lm	177012	

<b>LEON (500mm)</b>			
700 mA (12W) LINEAR LED	Total Lumen Output	Code No	
☀ Warm White 3000 K	1380 lm	177111	
☀ Natural White 4000 K	1380 lm	177112	

<b>LEON (700mm)</b>			
700 mA (12W) LINEAR LED	Total Lumen Output	Code No	
☀ Warm White 3000 K	1380 lm	177211	
☀ Natural White 4000 K	1380 lm	177212	



Protection Rate	IP65
Impact Resistance	IK08
Class	I
Place of Use	Exterior
Application	Pathways, landscapes and open spaces

Lamp Options	Linear LEDs
Mounting	Ground
Head	Die cast aluminium
Pipe	Extrusion aluminium
Paint	Electrostatic powder
Screws	316l stainless steel
Diffuser	Frosted polyamide 6.6
Gaskets	Silicone

Total Lighting Output	720, 790 or 1380lm
Luminous Efficacy	95lm/W

CRI	>80
Total Power	6W or 12W
Gear	Electronic LED Driver 240VAC (24VDC on request)
Cable Gland	2m potted 3x0.75mm <sup>2</sup> H505VV-F
Ambient Temp	Ta < 50 °C



# header page

Black  
Textured  
Ral 9005



Black  
Matte  
Ral 9005



Anthracite  
Textured  
Ral 7016



Light Grey  
Textured  
Ral 7004



White  
Textured  
Ral 9016



White  
Matte  
Ral 9016



Ivory  
Matte  
Ral 1015



Green  
Glossy  
Ral 6003



IK 08 IP 65



6 standard RAL colors can be chosen from to adapt the Odeon to its environment (grey, anthracite, black, white, green and beige).



Concrete Mounting Step

Concrete Mounting Flush

Galvanized Steel Mounted

# referances

## Global & Local

EMFA exports to over 40 countries and has supplied such prestigious projects as:

Zorlu Center  
Palmarina  
Mall of Istanbul  
Spine Tower  
Port Alacati Marina  
JW Marriot Marquis Hotel  
Macau Fire Station  
JW Marriot Absheron Hotel  
Jeju Global Education City  
University of West England  
Borders Campus  
Presidential Residences  
Bath University  
Porto Cupecoy Marina  
Aviva Arena Stadium  
Sheikh Rashid Al Maktoum's Villa  
Literature Museum of Azerbaijan  
Bademlik Mosque  
**Four Season's Hotel Bosphorus**  
Art Academy  
Hotel Johann Strauss  
Radisson Blue Hotel

Istanbul  
Bodrum  
Istanbul  
Istanbul  
Izmir  
Dubai  
Macau  
Baku  
Jeju Island  
Bristol  
Edinburgh  
Istanbul  
Bath  
St. Maarten  
Dublin  
Seychelles  
Baku  
Istanbul  
**Istanbul**  
Baku  
Vienna  
Cesme

Sinpaş Altınoran  
Sukar Pasha Ottoman Lounge  
Watergarden AVM  
Papillion Zeugma Hotel  
Levent 199  
Fenix Restaurant  
Uniq AVM  
Ford Building  
Milas Daphne  
Nurol Life  
Ela Quality Hotel  
Burda41 AVM  
Symbol Kocaeli AVM  
Cyristal Tower  
ADNOC

Ankara  
Qatar  
Istanbul  
  
Istanbul  
Istanbul  
Istanbul  
Istanbul  
Bodrum  
Istanbul  
Antalya  
Kocaeli  
Kocaeli  
Dubai  
Abu Dhabi



## headquarters

EMFA  
Elektrik Malzeme Fabrikasi A.S.

Davutpasa Caddesi  
Cebealibey Sokak No. 18  
34020 Topkapi / Istanbul  
Turkey

tel: +90 212 4822962  
fax: +90 212 4822781

[emfa@emfa.com.tr](mailto:emfa@emfa.com.tr)

**EMFA**