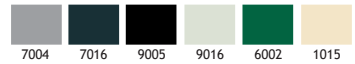


TRION

LED BOLLARDS

Class I IP65 IK10

Available in any
of these RAL colors



EMFA's Trion series combines a die-cast aluminium head with an extrusion aluminium pipe to provide a sturdy, outdoor bollard/pole. The fixture is designed to light pathways, landscapes and open spaces. The TRION bollard can give light both in the downward and upward direction. The light is very directional and honeycomb louvers can be used to avoid extra glare. The head and pipe are connected by a hidden screw within the pipe. The head contains LEDs that can be powered up to 27W. An optional galvanized steel anchorage kit is available for mounting into concrete. An alternative option is sleeve anchors for mounting onto existing concrete.

Head

Die cast aluminium

With Screwless lock system

Outer Asymmetrical Grill

Die cast aluminium

Diffuser

Tempered Glass

Pipe

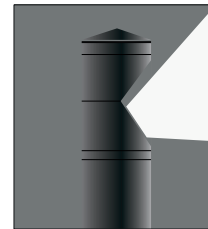
Extrusion aluminium

Paint

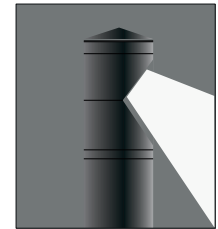
Electrostatic powder



Up



Down



Trion 1 Single



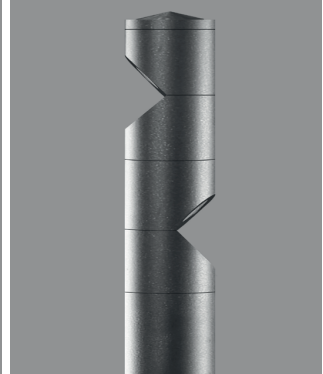
Trion 1 Twin



Trion 2 Single

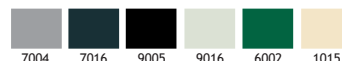


Trion 2 Twin



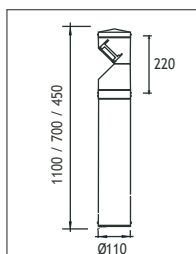
TRION LED BOLLARDS IP65

Available in any
of these RAL colors



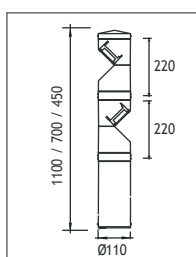
Led : Power or COB LEDs
Voltage : 240 VAC with integrated driver
 (12-24 VDC on request)
Diffuser : Tempered Clear or Frosted Glass

Trion 1 Single



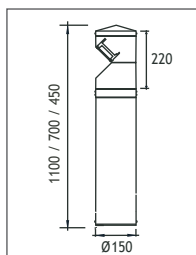
Power	Kelvin	Real Lumen Output	Lens	45 cm	Code No 70 cm	110 cm
6W LED	2700 K	570 lm	10°,25°,40°	171001	171101	171201
6W LED	3000 K	570 lm	10°,25°,40°	171002	171102	171202
6W LED	4500 K	581 lm	10°,25°,40°	171003	171103	171203
6W LED	6000 K	592 lm	10°,25°,40°	171004	171104	171204
11W LED	2700 K	1045 lm	10°,25°,40°	170011	170111	170211
11W LED	3000 K	1045 lm	10°,25°,40°	170012	170112	170212
11W LED	4500 K	1065 lm	10°,25°,40°	170013	170113	170213
11W LED	6000 K	1087 lm	10°,25°,40°	170014	170114	170214

Trion 1 Twin



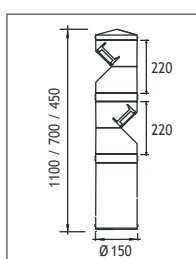
Power	Kelvin	Real Lumen Output	Lens	70 cm	Code No 90 cm	110 cm
6W LED	2700 K	570 lm	10°,25°,40°	172001	172101	172201
6W LED	3000 K	570 lm	10°,25°,40°	172002	172102	172202
6W LED	4500 K	581 lm	10°,25°,40°	172003	172103	172203
6W LED	6000 K	592 lm	10°,25°,40°	172004	172104	172204
11W LED	2700 K	1045 lm	10°,25°,40°	172011	172111	172211
11W LED	3000 K	1045 lm	10°,25°,40°	172012	172112	172212
11W LED	4500 K	1065 lm	10°,25°,40°	172013	172113	172213
11W LED	6000 K	1087 lm	10°,25°,40°	172014	172114	172214

Trion 2 Single



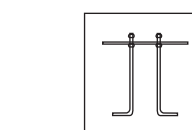
Power	Kelvin	Real Lumen Output	Lens	45 cm	Code No 70 cm	110 cm
11W LED	2700 K	1045 lm	10°,25°,40°	173001	173101	173201
11W LED	3000 K	1045 lm	10°,25°,40°	173002	173102	173202
11W LED	4500 K	1065 lm	10°,25°,40°	173003	173103	173203
11W LED	6000 K	1087 lm	10°,25°,40°	173004	173104	173204
24W LED	2700 K	2280 lm	10°,25°,40°	173011	173111	173211
24W LED	3000 K	2280 lm	10°,25°,40°	173012	173112	173212
24W LED	4500 K	2350 lm	10°,25°,40°	173013	173113	173213
24W LED	6000 K	2395 lm	10°,25°,40°	173014	173114	173214

Trion 2 Twin



Power	Kelvin	Real Lumen Output	Lens	70 cm	Code No 90 cm	110 cm
11W LED	2700 K	1045 lm	10°,25°,40°	174001	174101	174201
11W LED	3000 K	1045 lm	10°,25°,40°	174002	174102	174202
11W LED	4500 K	1065 lm	10°,25°,40°	174003	174103	174203
11W LED	6000 K	1087 lm	10°,25°,40°	174004	174104	174204
24W LED	2700 K	2280 lm	10°,25°,40°	174011	174111	174211
24W LED	3000 K	2280 lm	10°,25°,40°	174012	174112	174212
24W LED	4500 K	2350 lm	10°,25°,40°	174013	174113	174213
24W LED	6000 K	2395 lm	10°,25°,40°	174014	174114	174214

EMFA



For
Trion

Anchor
Code No: 953651

HARRAN MINI

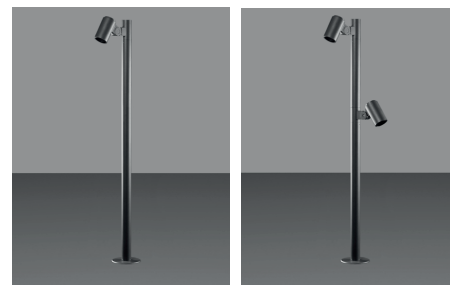
LED BOLLARD

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

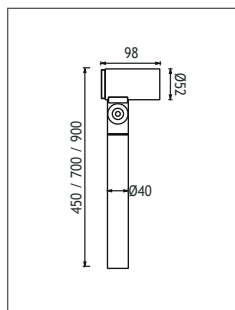
Gaskets

Silicone

Diffusers

Tempered Glass

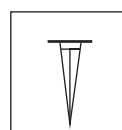
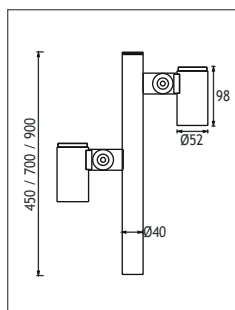
Harran Mini Single



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	4500 K	581 lm	10°,25°,40°	175003	175103	175203
6W LED	6000 K	592 lm	10°,25°,40°	175004	175104	175204

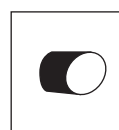
2xPower	Kelvin	Real Lumen Output	Lens	70 cm	Code No 90 cm	90 cm
6W LED	2700 K	570 lm	10°,25°,40°	176001	176101	176201
6W LED	3000 K	570 lm	10°,25°,40°	176002	176102	176202
6W LED	4500 K	581 lm	10°,25°,40°	176003	176103	176203
6W LED	6000 K	592 lm	10°,25°,40°	176004	176104	176204

Harran Mini Twin

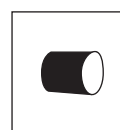


For
Harran

Picket
Code No: 953661



Visor
Code No: 953662



Cylinder Visor
Code No: 953663



Honeycomb
Code No: 953664

LEON 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 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.

Head

Die cast aluminium

Diffusers

Frosted polyamide 6.6

Pipe

Extrusion aluminium

Paint

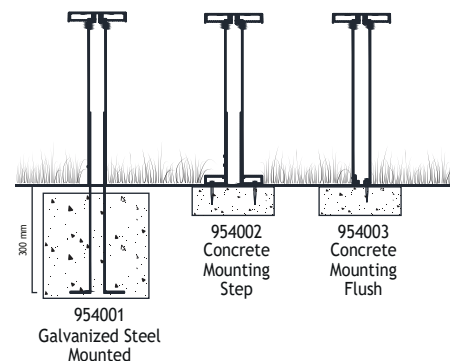
Electrostatic powder

CIRCULAR LED

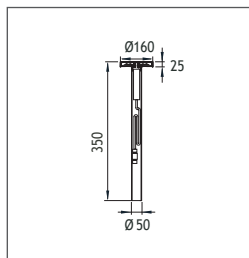
Led : Circular LEDs (6W or 12W)

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

CRI : >80

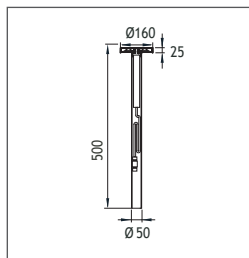


350mm



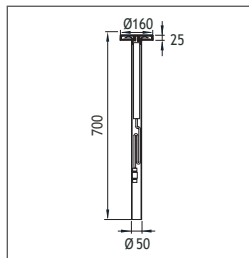
Power	Kelvin	Lumen Output	Code No
6W	2700 K	570 lm	177003
6W	3000 K	570 lm	177001
6W	4000 K	581 lm	177002
12W	2700 K	1140 lm	177013
12W	3000 K	1140 lm	177011
12W	4000 K	1162 lm	177012

500mm



Power	Kelvin	Lumen Output	Code No
6W	2700 K	570 lm	177103
6W	3000 K	570 lm	177101
6W	4000 K	581 lm	177102
12W	2700 K	1140 lm	177113
12W	3000 K	1140 lm	177111
12W	4000 K	1162 lm	177112

700mm



Power	Kelvin	Lumen Output	Code No
6W	2700 K	570 lm	177203
6W	3000 K	570 lm	177201
6W	4000 K	581 lm	177202
12W	2700 K	1140 lm	177213
12W	3000 K	1140 lm	177211
12W	4000 K	1162 lm	177212

EMFA



LEON WOOD

LED BOLLARD

Class I IP65

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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Real wood is the preferred material of architects for cutting edge designs. Our LEON Wood bollard is made of IROKO wood with an incredibly smooth finish. The Wood Bollard can blend into the architecture of a building and mature together with its surroundings. The simple form of the Wood Bollard is emphasized with the light that comes out from the solid structure.

Head

Die cast aluminium & Wood

Diffusers

Frosted polyamide 6.6

Pipe

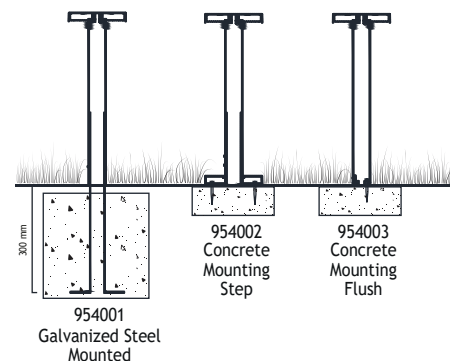
Wood

CIRCULAR LED

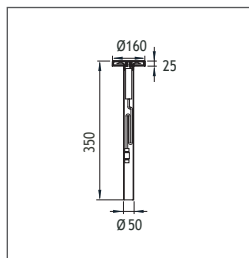
Led : Circular LEDs (6W or 12W)

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

CRI : >80

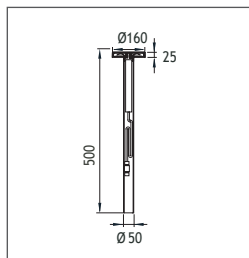


350mm



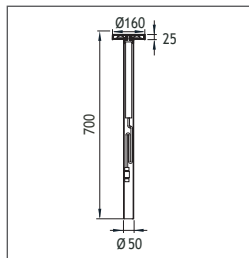
Power	Kelvin	Lumen Output	Code No
6W	2700 K	570 lm	189001
6W	3000 K	570 lm	189002
6W	4000 K	581 lm	189003
12W	2700 K	1140 lm	189011
12W	3000 K	1140 lm	189012
12W	4000 K	1162 lm	189013

500mm



Power	Kelvin	Lumen Output	Code No
6W	2700 K	570 lm	189101
6W	3000 K	570 lm	189102
6W	4000 K	581 lm	189103
12W	2700 K	1140 lm	189111
12W	3000 K	1140 lm	189112
12W	4000 K	1162 lm	189113

700mm



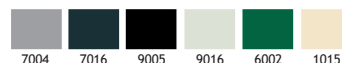
Power	Kelvin	Lumen Output	Code No
6W	2700 K	570 lm	189201
6W	3000 K	570 lm	189202
6W	4000 K	581 lm	189203
12W	2700 K	1140 lm	189211
12W	3000 K	1140 lm	189212
12W	4000 K	1162 lm	189213

EMFA

LEON 2

LED BOLLARD Fixed & Adjustable Class I IP65

Available in any
of these RAL colors



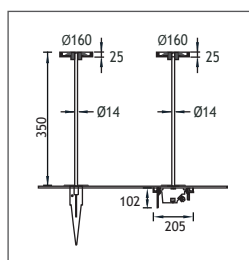
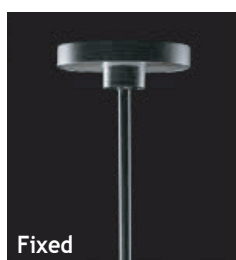
Head
Die Cast Aluminium
Diffusers
Frosted polyamide 6.6
Pipe
316L Stainless Steel
Paint
Electrostatic powder

CIRCULAR LED

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

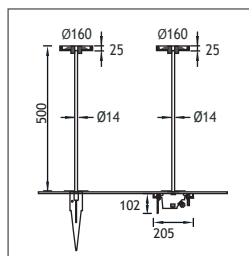


350mm



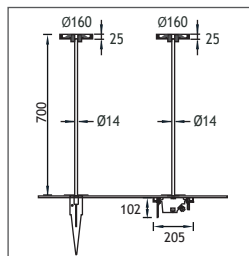
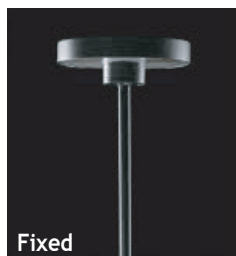
Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	270003	270103
6W	3000 K	720 lm	270001	270101
6W	4000 K	790 lm	270002	270102
12W	2700 K	1380 lm	270013	270113
12W	3000 K	1380 lm	270011	270111
12W	4000 K	1380 lm	270012	270112

500mm



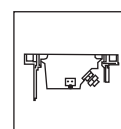
Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	271003	271103
6W	3000 K	720 lm	271001	271101
6W	4000 K	790 lm	271002	271102
12W	2700 K	1380 lm	271013	271113
12W	3000 K	1380 lm	271011	271111
12W	4000 K	1380 lm	271012	271112

700mm

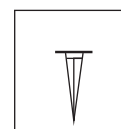


Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	272003	272103
6W	3000 K	720 lm	272001	272101
6W	4000 K	790 lm	272002	272102
12W	2700 K	1380 lm	272013	272113
12W	3000 K	1380 lm	272011	272111
12W	4000 K	1380 lm	272012	272112

For
LEON 2



Recessing Tube
Internal Driver
Code No: 953641



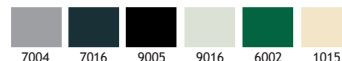
Picket
External Driver
Code No: 953642



LEON 2 STONE

LED BOLLARD Fixed & Adjustable Class I IP65

Available in any
of these RAL colors



Head

Die cast aluminium & Stone

Diffusers

Frosted polyamide 6.6

Pipe

316L Stainless Steel

Paint

Electrostatic powder

CIRCULAR LED

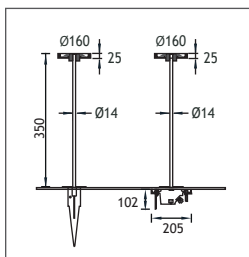
Led : Circular LEDs (6W or 12W)

Voltage : 12-24V External Driver
(12-24 VDC on request)

CRI : >80

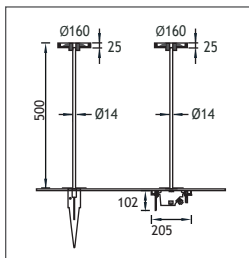


350mm



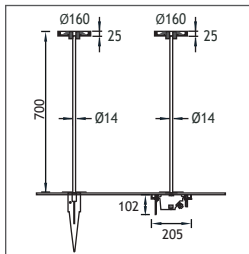
Power	Kelvin	Lumen Output	Fixed
6W	2700 K	720 lm	280001
6W	3000 K	720 lm	280002
6W	4000 K	790 lm	280003
12W	2700 K	1380 lm	280011
12W	3000 K	1380 lm	280012
12W	4000 K	1380 lm	280013

500mm



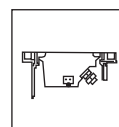
Power	Kelvin	Lumen Output	Fixed
6W	2700 K	720 lm	281001
6W	3000 K	720 lm	281002
6W	4000 K	790 lm	281003
12W	2700 K	1380 lm	281011
12W	3000 K	1380 lm	281012
12W	4000 K	1380 lm	281013

700mm

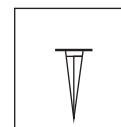


Power	Kelvin	Lumen Output	Fixed
6W	2700 K	720 lm	282001
6W	3000 K	720 lm	282002
6W	4000 K	790 lm	282003
12W	2700 K	1380 lm	282011
12W	3000 K	1380 lm	282012
12W	4000 K	1380 lm	282013

For
LEON 2



**Recessing Tube
Internal Driver**
Code No: 953641

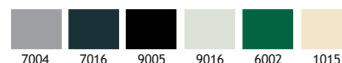


**Picket
External Driver**
Code No: 953642

LEON 3

LED ACRYLIC 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

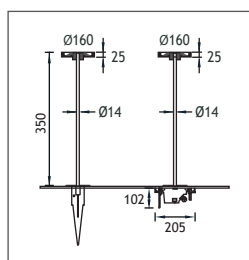
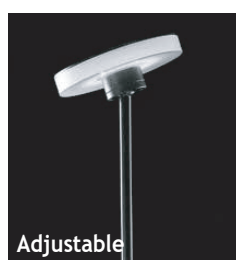
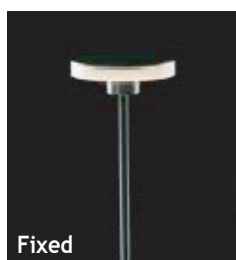
Led : Circular LEDs (6W or 12W)

Voltage : 12-24V External Driver
(12-24 VDC on request)

CRI : >80

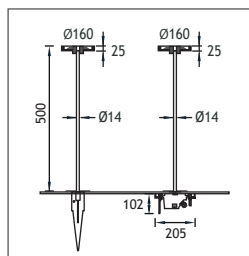
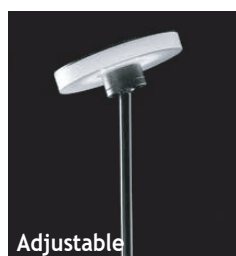


350mm



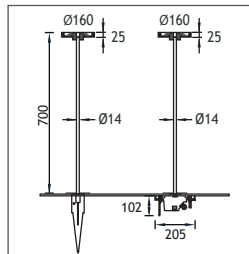
Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	275003	275103
6W	3000 K	720 lm	275001	275101
6W	4000 K	790 lm	275002	275102

500mm



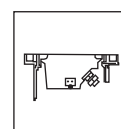
Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	276003	276103
6W	3000 K	720 lm	276001	276101
6W	4000 K	790 lm	276002	276102

700mm

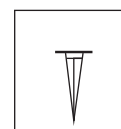


Power	Kelvin	Lumen Output	Code No	
			Fixed	Adjustable
6W	2700 K	720 lm	277003	277103
6W	3000 K	720 lm	277001	277101
6W	4000 K	790 lm	277002	277102

For
LEON 3



**Recessing Tube
Internal Driver**
Code No: 953641



**Picket
External Driver**
Code No: 953642



KIBIRA LED BOLLARDS IP65

Available in any of these RAL colors

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

Cover

Die cast aluminium

Body

Die cast aluminium

die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

4 mm Tempered Glass (Aluminium Cover)

Screws

316L Stainless steel

Glands

2 x PG 13.5

Recessing Tube

Polyamide 6



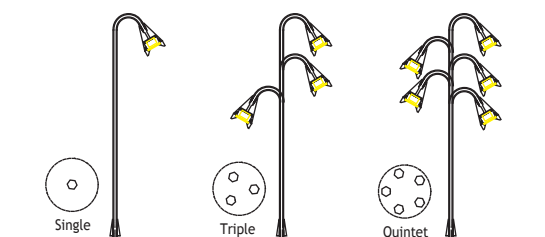
POWER LED

Led : LEDs (1W or 3W)

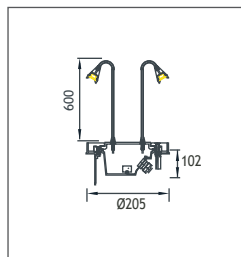
Voltage : 240 VAC with External driver
(12-24 VDC on request)

Diffuser : Tempered Glass

Lens : 10°, 25° or 40°

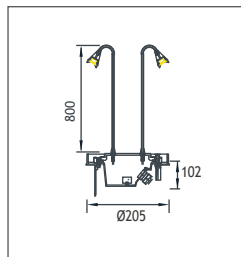


600mm



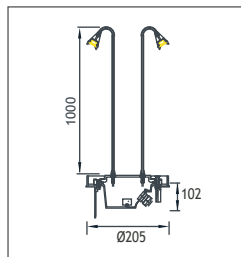
Power	Kelvin	Code No		
		Single	Triple	Quinet
1W	2700 K	191003	192003	193003
1W	3000 K	191001	192001	193001
1W	4000 K	191002	192002	193002
3W	2700 K	191013	192013	193013
3W	3000 K	191011	192011	193011
3W	4000 K	191012	192012	193012

800mm



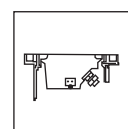
Power	Kelvin	Code No		
		Single	Triple	Quinet
1W	2700 K	191103	192103	193103
1W	3000 K	191101	192101	193101
1W	4000 K	191102	192102	193102
3W	2700 K	191113	192113	193113
3W	3000 K	191111	192111	193111
3W	4000 K	191112	192112	193112

1000mm

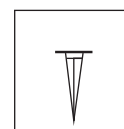


Power	Kelvin	Code No		
		Single	Triple	Quinet
1W	2700 K	191203	192203	193203
1W	3000 K	191201	192201	193201
1W	4000 K	191202	192202	193202
3W	2700 K	191213	192213	193213
3W	3000 K	191211	192211	193211
3W	4000 K	191212	192212	193212

For
Kibira



**Recessing Tube
Internal Driver**
Code No: 953591



**Picket
External Driver**
Code No: 953592

EMFA



KIBIRA CROSS

LED BOLLARDS IP65

Available in any of these RAL colors

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

Cover

Die cast aluminium

Body

Die cast aluminium

die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

4 mm Tempered Glass (Aluminium Cover)

Screws

316L Stainless steel

Glands

2 x PG 13.5

Recessing Tube

Polyamide 6

POWER LED

Led : LEDs (1W or 3W)

Voltage : 12-24 VDC

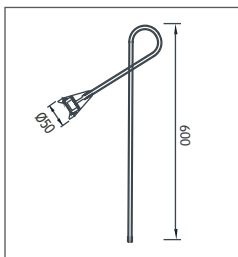
240 VAC with External driver

Diffuser : Tempered Glass

Lens : 10°, 25° or 40°

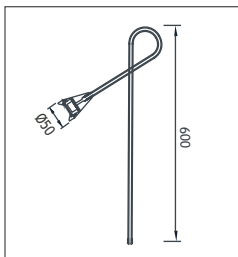


600mm



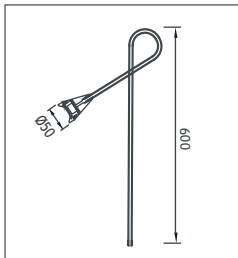
Power	Kelvin	Code No
1W	2700 K	195001
1W	3000 K	195002
1W	4000 K	195003
3W	2700 K	195011
3W	3000 K	195012
3W	4000 K	195013

800mm



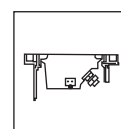
Power	Kelvin	Code No
1W	2700 K	195101
1W	3000 K	195102
1W	4000 K	195103
3W	2700 K	195111
3W	3000 K	195112
3W	4000 K	195113

1000mm

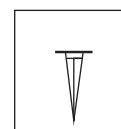


Power	Kelvin	Code No
1W	2700 K	195201
1W	3000 K	195202
1W	4000 K	195203
3W	2700 K	195211
3W	3000 K	195212
3W	4000 K	195213

For
Kibira



Recessing Tube
Internal Driver
Code No: 953651



Picket
External Driver
Code No: 953652



SARDES

LED BOLLARDS IP65

Available in any of these RAL colors

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

Cover

Die cast aluminium

Body

Die cast aluminium

die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

4 mm Tempered Glass (Aluminium Cover)

Screws

316L Stainless steel

Glands

2 x PG 13.5

Recessing Tube

Polyamide 6

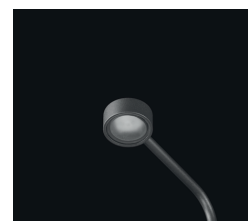
POWER LED

Led : LEDs (1W or 3W)

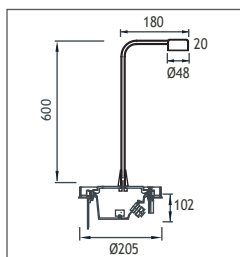
Voltage : 240 VAC with External driver
(12-24 VDC on request)

Diffuser : Tempered Frosted Glass

Lens : 10°, 25° or 40°

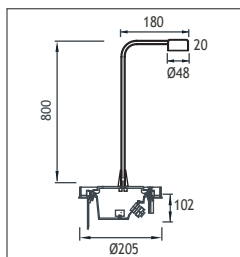


600mm



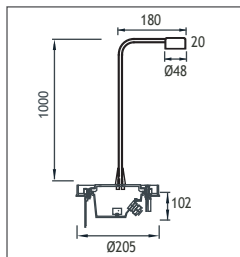
Power	Kelvin	Code No
1W	2700 K	196001
1W	3000 K	196002
1W	4000 K	196003
3W	2700 K	196011
3W	3000 K	196012
3W	4000 K	196013

800mm



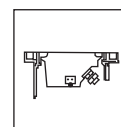
Power	Kelvin	Code No
1W	2700 K	196101
1W	3000 K	196102
1W	4000 K	196103
3W	2700 K	196111
3W	3000 K	196112
3W	4000 K	196113

1000mm

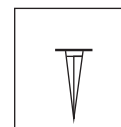


Power	Kelvin	Code No
1W	2700 K	196201
1W	3000 K	196202
1W	4000 K	196203
3W	2700 K	196211
3W	3000 K	196212
3W	4000 K	196213

For
Sardes



Recessing Tube
Internal Driver
Code No: 953671



Picket
External Driver
Code No: 953672



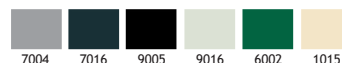
 KIBIRA MUSHROOM
LED BOLLARD



KIBIRA MUSHROOM

LED BOLLARDS IP65

Available in any
of these RAL colors



Cover

Die cast aluminium

Body

Die cast aluminium

die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

4 mm Tempered Glass (Aluminium Cover)

Screws

316L Stainless steel

Glands

2 x PG 13.5

Recessing Tube

Polyamide 6



Single



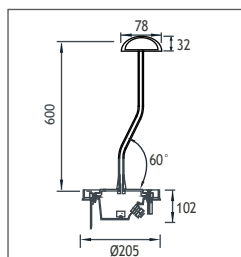
Twin



Triple

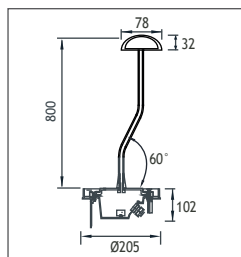
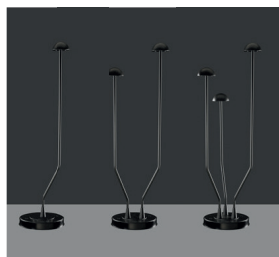
Led : LEDs (1W or 3W)
Voltage : 240 VAC with External driver
(12-24 VDC on request)
Diffuser : Diffuse Acrylic

600mm



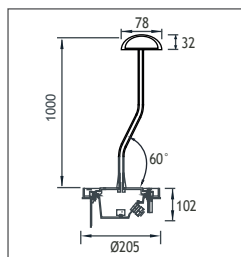
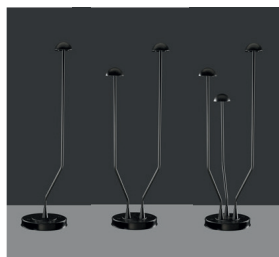
Power	Kelvin	Code No		
		Single	Twin	Triple
1W	2700 K	222001	222101	222201
1W	3000 K	222002	222102	222202
1W	4000 K	222003	222103	222203
3W	2700 K	222011	222111	222211
3W	3000 K	222012	222112	222212
3W	4000 K	222013	222113	222213

800mm



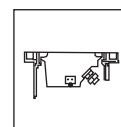
Power	Kelvin	Code No		
		Single	Twin	Triple
1W	2700 K	223001	223101	223201
1W	3000 K	223002	223102	223202
1W	4000 K	223003	223103	223203
3W	2700 K	223011	223111	223211
3W	3000 K	223012	223112	223212
3W	4000 K	223013	223113	223213

1000mm

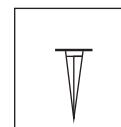


Power	Kelvin	Code No		
		Single	Twin	Triple
1W	2700 K	224001	224101	224201
1W	3000 K	224002	224102	224202
1W	4000 K	224003	224103	224203
3W	2700 K	224011	224111	224211
3W	3000 K	224012	224112	224212
3W	4000 K	224013	224113	224213

For
Kibira



Recessing Tube
Internal Driver
Code No: 953731

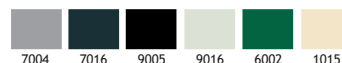


Picket
External Driver
Code No: 953732

PERINTHOS

ADJUSTABLE LED BOLLARDS IP65

Available in any
of these RAL colors



Cover

Die cast aluminium

Body

Die cast aluminium

die cast aluminium bottom and connection box.

Gaskets

Silicone

Diffusers

4 mm Tempered Glass (Aluminium Cover)

Screws

316L Stainless steel

Glands

2 x PG 13.5

Recessing Tube

Polyamide 6

POWER LED

Led : LEDs (6W or 11W)

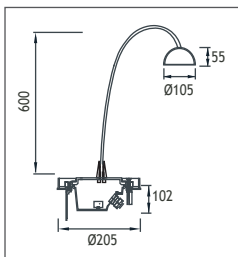
Voltage : 240 VAC with External driver
(12-24 VDC on request)

Diffuser : Tempered Glass

Lens : 10°, 25° or 40°

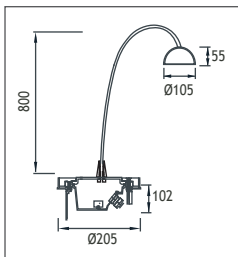


600mm



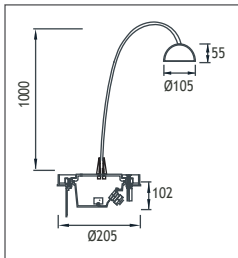
Power	Kelvin	Code No
6W	2700 K	198001
6W	3000 K	198002
6W	4000 K	198003
11W	2700 K	198011
11W	3000 K	198012
11W	4000 K	198013

800mm



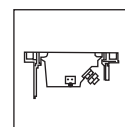
Power	Kelvin	Code No
6W	2700 K	198101
6W	3000 K	198102
6W	4000 K	198103
11W	2700 K	198111
11W	3000 K	198112
11W	4000 K	198113

1000mm

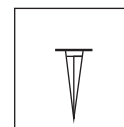


Power	Kelvin	Code No
6W	2700 K	198201
6W	3000 K	198202
6W	4000 K	198203
11W	2700 K	198211
11W	3000 K	198212
11W	4000 K	198213

For
Perinthos



Recessing Tube
Internal Driver
Code No: 953741



Picket
External Driver
Code No: 953742

Available in any
of these RAL colors

7004	7016	9005	9016	6002	1015
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Head

Die cast aluminium

Diffusers

Acrylic

Pipe

Stainless steel

Paint

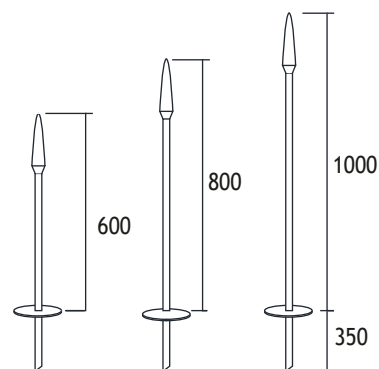
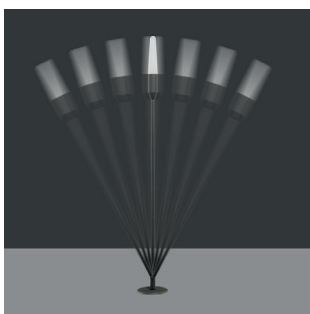
Electrostatic powder

POWER LED

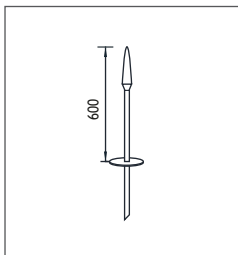
Led : LEDs (1W or 3W)

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

Diffuser : >80

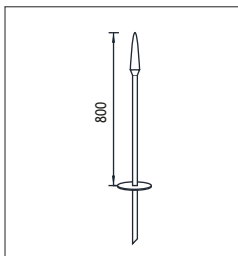


600mm



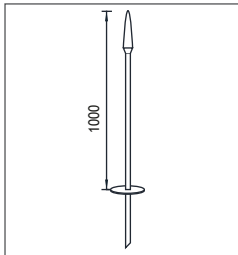
Power	Kelvin	Code No
1W	2700 K	194003
1W	3000 K	194001
1W	4000 K	194002
3W	2700 K	194013
3W	3000 K	194011
3W	4000 K	194012

800mm



Power	Kelvin	Code No
1W	2700 K	194103
1W	3000 K	194101
1W	4000 K	194102
3W	2700 K	194113
3W	3000 K	194111
3W	4000 K	194112

1000mm



Power	Kelvin	Code No
1W	2700 K	194203
1W	3000 K	194201
1W	4000 K	194202
3W	2700 K	194213
3W	3000 K	194211
3W	4000 K	194212



 KIZIKOS MINI
LED BOLLARD

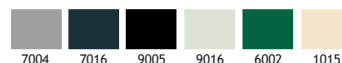


KIZIKOS MINI

LED BOLLARDS

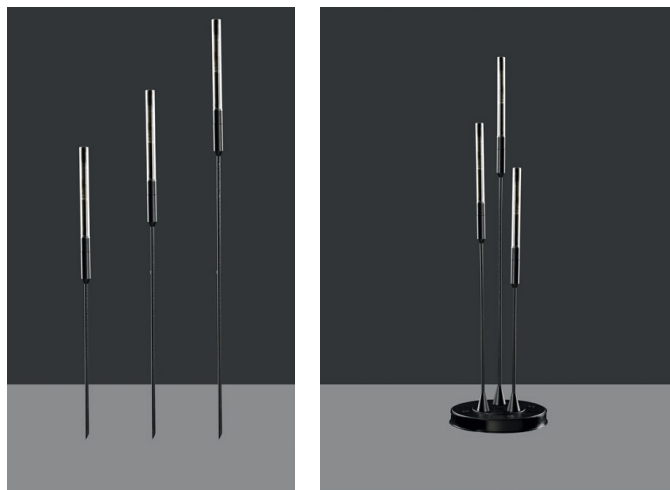
IP65

Available in any
of these RAL colors

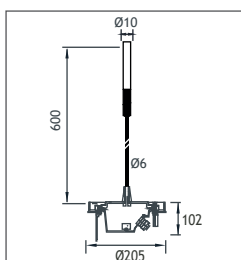


Head
Die cast aluminium
Diffusers
Acrylic
Pipe
Stainless steel
Paint
Electrostatic powder

Lampholder : Gu4
Led : 1,5W LED LAMP
Voltage : 12 VAC with External driver
Diffuser : Clear or Frosted Acrylic

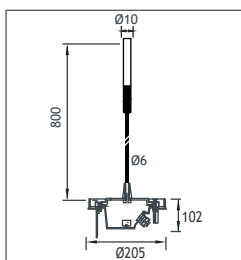
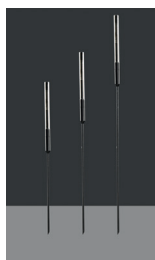


600mm



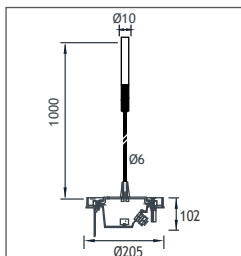
Power	Kelvin	Single	Code No	
			Triple	Quinet
1W	2700 K	194301	194401	194501
1W	3000 K	194302	194402	194502
1W	4000 K	194303	194403	194503
3W	2700 K	194311	194411	194511
3W	3000 K	194312	194412	194512
3W	4000 K	194313	194413	194513

800mm

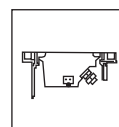


Power	Kelvin	Single	Code No	
			Triple	Quinet
1W	2700 K	195301	195401	195501
1W	3000 K	195302	195402	195502
1W	4000 K	195303	195403	195503
3W	2700 K	195311	195411	195511
3W	3000 K	195312	195412	195512
3W	4000 K	195313	195413	195513

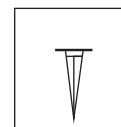
1000mm



Power	Kelvin	Single	Code No	
			Triple	Quinet
1W	2700 K	196301	196401	196501
1W	3000 K	196302	196402	196502
1W	4000 K	196303	196403	196503
3W	2700 K	196311	196411	196511
3W	3000 K	196312	196412	196512
3W	4000 K	196313	196413	196513



For
Kizikos
Recessing Tube
Internal Driver
Code No: 953751



Picket
External Driver
Code No: 953752



ANI 1

ALUM LED BOLLARD

Class I IP55 IK08

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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EMFA's Ani 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 Ani 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.

Profile

Aluminium

Body

Die cast aluminium

Gaskets

Silicone

Diffusers

4 mm Tempered Glass

Screws

316L Stainless steel

Glands

PG 11

Linear LEDs

Led : Linear LEDs

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

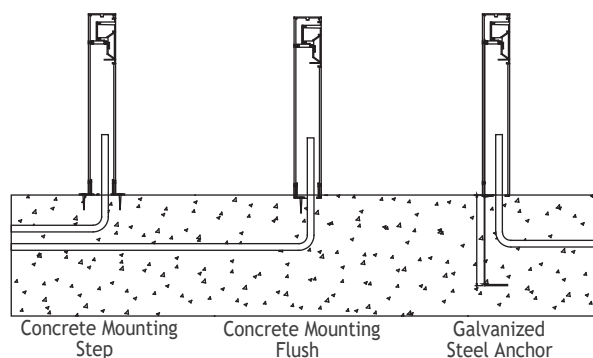
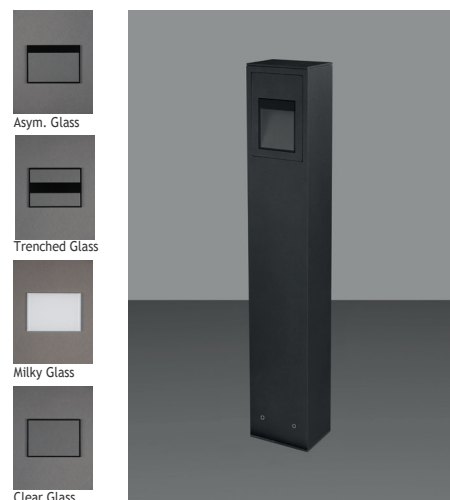
Diffuser : 4 mm Tempered Glass

Beam Angle : 45° / 60° / 90°

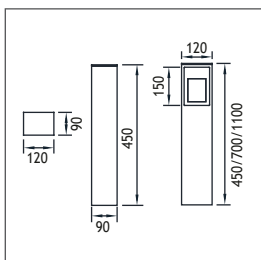
Mac Adam : 3

CRI : >80

L.O.R % : %70

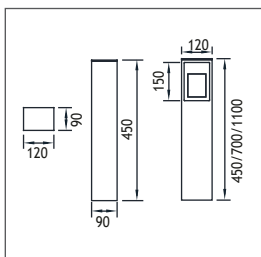


SYMMETRICAL



Power	Kelvin	Real Lumen Output	Beam Angle	450 mm	700 mm	1100 mm
6W	2700 K	570 lm	45° / 60° / 90°	452003	452103	452203
6W	3000 K	570 lm	45° / 60° / 90°	452001	452101	452201
6W	4000 K	581 lm	45° / 60° / 90°	452002	452102	452202
12W	2700 K	1140 lm	45° / 60° / 90°	452013	452113	452213
12W	3000 K	1140 lm	45° / 60° / 90°	452011	452111	452211
12W	4000 K	1162 lm	45° / 60° / 90°	452012	452112	452212

ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Beam Angle	450 mm	700 mm	1100 mm
6W	2700 K	570 lm	45° / 60° / 90°	452503	452603	452703
6W	3000 K	570 lm	45° / 60° / 90°	452501	452601	452701
6W	4000 K	581 lm	45° / 60° / 90°	452502	452602	452702
12W	2700 K	1140 lm	45° / 60° / 90°	452513	452613	452713
12W	3000 K	1140 lm	45° / 60° / 90°	452511	452611	452711
12W	4000 K	1162 lm	45° / 60° / 90°	452512	452612	452712

ANI 1 WOOD LED BOLLARDS

Class I IP65 IK08

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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Real wood is the preferred material of architects for cutting edge designs. Our ANI Wood bollard is made of IROKO wood with an incredibly smooth finish. The Wood Bollard can blend into the architecture of a building and mature together with its surroundings. The simple form of the Wood Bollard is emphasized with the light that comes out from the solid structure.

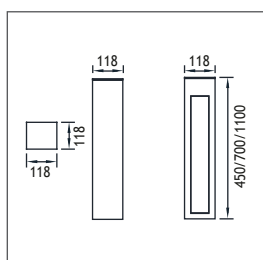
Body
Wood
Gaskets
Silicone
Diffusers
4 mm Tempered Glass
Screws
316L Stainless steel
Glands
PG 11



Linear LEDs

Led : Linear LEDs
Voltage : 240 VAC with integrated driver
(12-24 VDC on request)
Diffuser : 4 mm Tempered Glass
Beam Angle : 45° / 60° / 90°
Mac Adam : 3
CRI : >80
L.O.R % : %70

ASYMMETRICAL



Power	Kelvin	Lumen Output	Beam Angle	450 mm	700 mm	1100 mm
6W	2700 K	570 lm	45° / 60° / 90°	465001	465101	465201
6W	3000 K	570 lm	45° / 60° / 90°	465002	465102	465202
6W	4000 K	581 lm	45° / 60° / 90°	465003	465103	465203
12W	2700 K	1140 lm	45 / 60° / 90°	465011	465111	465211
12W	3000 K	1140 lm	45° / 60° / 90°	465012	465112	465212
12W	4000 K	1162 lm	45° / 60° / 90°	465013	465113	465213

ANI 4

ALUM LED BOLLARD

Class I IP55 IK08

Available in any of these RAL colors

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

Profile

Aluminium

Body

Die cast aluminium

Gaskets

Silicone

Diffusers

4 mm Tempered Glass

Screws

316L Stainless steel

Glands

PG 11

Linear LEDs

Led : Linear LEDs

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

Diffuser : 4 mm Tempered Glass

Beam Angle : 45° / 60° / 90°

Mac Adam : 3

CRI : >80

L.O.R % : %70



Asym. Glass



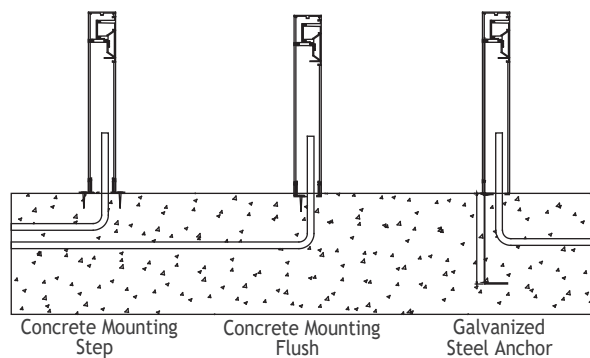
Trenched Glass



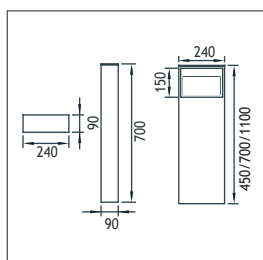
Milky Glass



Clear Glass

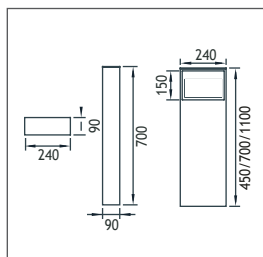


SYMMETRICAL



Power	Kelvin	Real Lumen Output	Beam Angle	450 mm	700 mm	1100 mm
24W	2700 K	2280 lm	45° / 60° / 90°	459003	459103	459203
24W	3000 K	2280 lm	45° / 60° / 90°	459001	459101	459201
24W	4000 K	2320 lm	45° / 60° / 90°	459002	459102	459202
36W	2700 K	3420 lm	45° / 60° / 90°	459013	459113	459213
36W	3000 K	3420 lm	45° / 60° / 90°	459011	459111	459211
36W	4000 K	3520 lm	45° / 60° / 90°	459012	459112	459212

ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Beam Angle	450 mm	700 mm	1100 mm
24W	2700 K	2280 lm	45° / 60° / 90°	459503	459603	459703
24W	3000 K	2280 lm	45° / 60° / 90°	459501	459601	459701
24W	4000 K	2320 lm	45° / 60° / 90°	459502	459602	459702
36W	2700 K	3420 lm	45° / 60° / 90°	459513	459613	459713
36W	3000 K	3420 lm	45° / 60° / 90°	459511	459611	459711
36W	4000 K	3520 lm	45° / 60° / 90°	459512	459612	459712

BELLA

LED BOLLARDS

Class I IP65 IK08

Available in any of these RAL colors

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

Head

Die cast aluminium

Diffuser

Tempered Glass 4 mm

Pipe

Extrusion aluminium

Base

Polyamide (black color)

Paint

Electrostatic powder

LINEAR LEDS

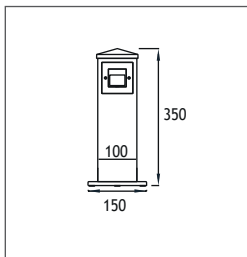
Voltage : 240V AC with integrated driver
(12V DC or 24V DC on request)

Diffuser : Clear Glass 4 mm

Cable : Potted 5 m 3x0,75 H03 VV-F



ONE WAY ASYMMETRICAL

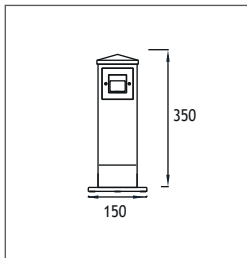


Power	Kelvin	Real Lumen Output	Code No
3W	2700 K	380 lm	149103
3W	3000 K	387 lm	149101
3W	5000 K	416 lm	149102



Socket can be installed optionally 953761

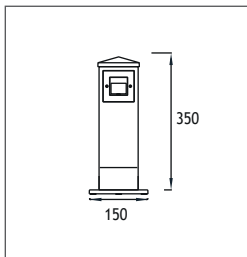
TWO WAY ASYMMETRICAL



Power	Kelvin	Real Lumen Output	Code No
3W	2700 K	380 lm	149113
3W	3000 K	387 lm	149111
3W	5000 K	416 lm	149112



TWO WAY ASYMMETRICAL + SYMMETRICAL



Power	Kelvin	Real Lumen Output	Code No
3W	2700 K	380 lm	149123
3W	3000 K	387 lm	149121
3W	5000 K	416 lm	149122

L TYPE

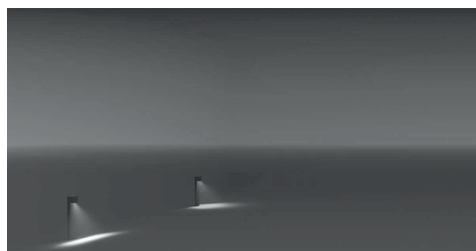
LED BOLLARDS

Class I IP65

Available in any of these RAL colors

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

3W or 6W COB LED
Head
 Die cast aluminium
Diffuser
 Tempered Glass 4 mm
Pipe
 Extrusion aluminium
Base
 Die cast aluminium
Paint
 Electrostatic powder



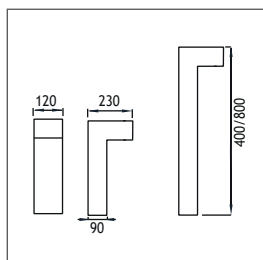
COB LED

Voltage : 240V AC with integrated driver
 (12V DC or 24V DC on request)

Diffuser : Clear Glass 4 mm

Cable : Potted 5 m 3x0,75 H03 VV-F

COB LED BOLLARDS



Power	Kelvin	Real Lumen Output	40 cm	80 cm
3W COB LED	2700 K	380 lm	125003	125201
3W COB LED	3000 K	387 lm	125001	125202
3W COB LED	5000 K	416 lm	125002	125203
6W COB LED	2700 K	570 lm	125011	125103
6W COB LED	3000 K	570 lm	125012	125101
6W COB LED	5000 K	612 lm	125013	125102

BÉTON

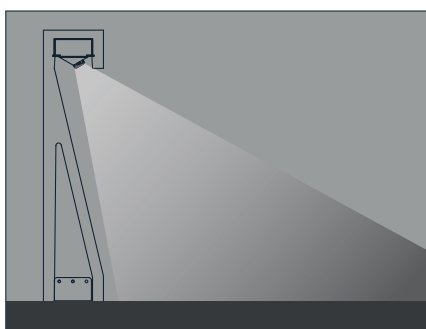
LED BOLLARDS

Class I IP67 IK10

Exposed concrete is the preferred material of architects for cutting edge designs. Our BÉTON bollard is made of heavy duty concrete with an incredibly smooth finish. The BÉTON can blend into the architecture of a building and mature together with its surroundings. The simple form of the BÉTON is emphasized with the light that comes out from the solid structure..

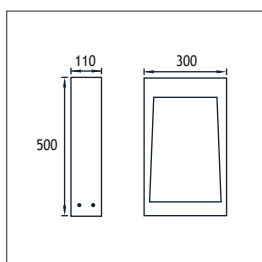
Asymmetrical

Led : Linear LEDs
Voltage : 240 VAC with integrated driver
 (12-24 VDC on request)
Diffuser : 4mm Tempered Glass
Beam Angle : 45° / 60° / 90°
Mac Adam : 3
CRI : >80
L.O.R % : %70



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.



Power	Kelvin	Real Lumen Output	Lens	Code No
6W	2700 K	570 lm	45°,60°,90°	190003
6W	3000 K	570 lm	45°,60°,90°	190001
6W	4500 K	581 lm	45°,60°,90°	190002
12W	2700 K	1162 lm	45°,60°,90°	190013
12W	3000 K	1162 lm	45°,60°,90°	190011
12W	4500 K	1140 lm	45°,60°,90°	190012



For
BETON

Anchor
Code No: 953716



BÉTON

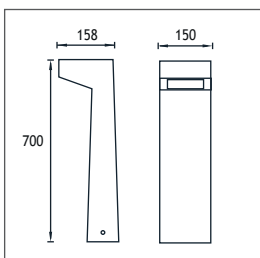
L TYPE LED BOLLARDS

Class I IP67 IK10

Exposed concrete is the preferred material of architects for cutting edge designs. Our BÉTON bollard is made of heavy duty concrete with an incredibly smooth finish. The BÉTON can blend into the architecture of a building and mature together with its surroundings. The simple form of the BÉTON is emphasized with the light that comes out from the solid structure..

Asymmetrical

Led : LEDs
Voltage : 240 VAC with integrated driver
 (12-24 VDC on request)
Diffuser : 4mm Tempered Glass
Beam Angle : Asymmetrical
Mac Adam : 3
CRI : >80
L.O.R % : %70



Power	Kelvin	Real Lumen Output	Code No
10W	2700 K	850 lm	190101
10W	3000 K	850 lm	190102
10W	4500 K	891 lm	190103



For
BÉTON

Anchor
Code No: 953771

BÉTON

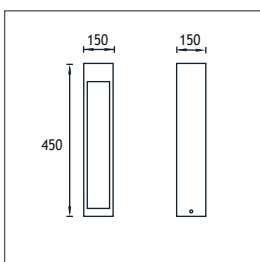
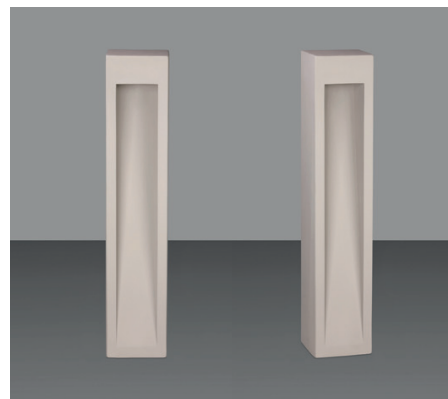
SQUARE LED BOLLARDS

Class I IP67 IK10

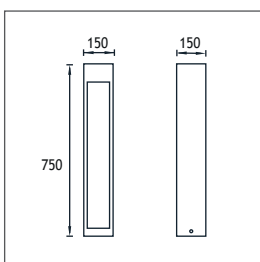
Exposed concrete is the preferred material of architects for cutting edge designs. Our BÉTON bollard is made of heavy duty concrete with an incredibly smooth finish. The BÉTON can blend into the architecture of a building and mature together with its surroundings. The simple form of the BÉTON is emphasized with the light that comes out from the solid structure..

Asymmetrical

Led : LEDs
Voltage : 240 VAC with integrated driver
 (12-24 VDC on request)
Diffuser : 4mm Tempered Glass
Beam Angle : Asymmetrical
Mac Adam : 3
CRI : >80
L.O.R % : %70



Power	Kelvin	Real Lumen Output	Code No
10W	2700 K	750 lm	190201
10W	3000 K	750 lm	190202
10W	4500 K	791 lm	190203



Power	Kelvin	Real Lumen Output	Code No
10W	2700 K	750 lm	190301
10W	3000 K	750 lm	190302
10W	4500 K	791 lm	190303



For
BÉTON

Anchor
Code No: 953771

ODEON

BOLLARD

Class I IP67 IK10

Available in any of these RAL colors

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

EMFA's Odean 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 unit comes with 5 different options of heads depending on much light is required and into which direction: with one head, two adjacent heads, two opposite heads, three heads, or four heads. The head and pipe are connected by a hidden screw within the pipe. One head contains 20 medium-power LEDs consuming 6W and providing over 500lm light output. 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.

Head

Die cast aluminium

Diffusers

Frosted polyamide 6.6

Pipe

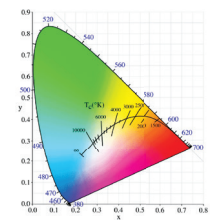
Extrusion aluminium

Paint

Electrostatic powder

"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 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.

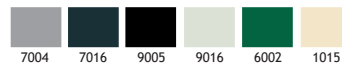


ODEON

BOLLARD

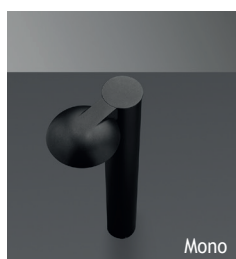
Class I IP67 IK10

Available in any
of these RAL colors

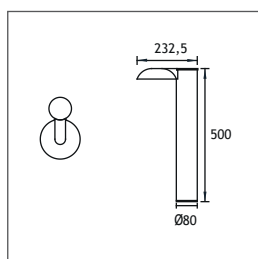
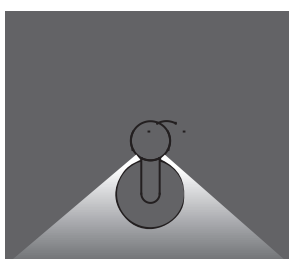


POWER LED or CPB LED

Led : Medium power LEDs
Voltage : 240 VAC with External driver
 (12-24 VDC on request)
Diffuser : Polyamide 6.6



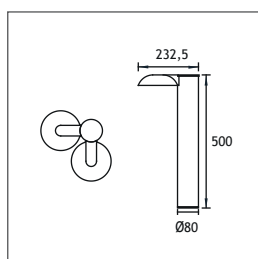
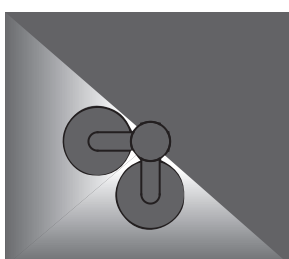
Mono



Power	Kelvin	Code No
6W	2700 K	178103
6W	3000 K	178101
6W	4000 K	178102



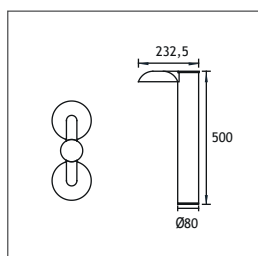
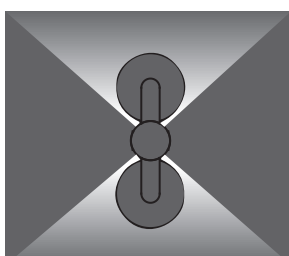
Duo 1-way



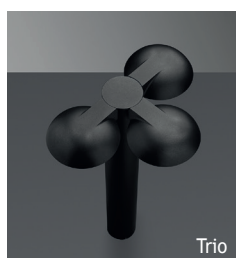
Power	Kelvin	Code No
12W	2700 K	178113
12W	3000 K	178111
12W	4000 K	178112



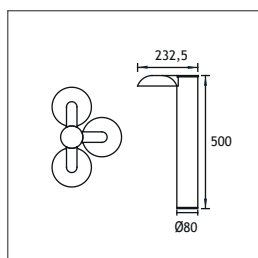
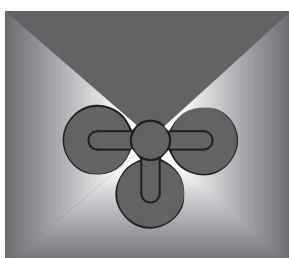
Duo 2-way



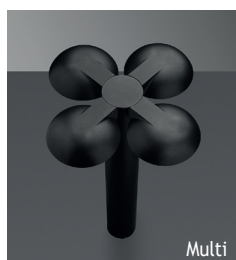
Power	Kelvin	Code No
12W	2700 K	178123
12W	3000 K	178121
12W	4000 K	178122



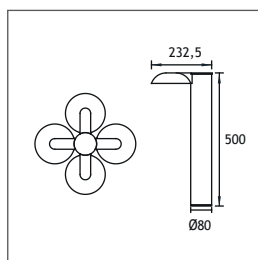
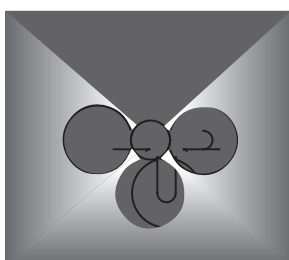
Trio



Power	Kelvin	Code No
18W	2700 K	178133
18W	3000 K	178131
18W	4000 K	178132



Multi



Power	Kelvin	Code No
24W	2700 K	178143
24W	3000 K	178141
24W	4000 K	178142

DION

WALL AND GROUND BOLLARDS

Class I IP65 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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EMFA's Dion series combines a die-cast aluminium head with an extrusion aluminium pipe to provide a sturdy, outdoor bollard. The bollards are designed to light pathways, landscapes and open spaces. The unit comes with 5 different heads for various light outputs and applications. A screwless bayonet lock system allows for easy dismantling of the head. The unit comes in 4 sizes: 300mm, 450mm, 700mm, and 1100mm, as well as with 3 lamp options: LED, Fluorescent, Metal Halide. In combination with the fluorescent lamp, an optional LED pilot lamp is available to light the bollard when the primary light source is off to continue marking a path while saving energy. An optional galvanized steel anchorage kit is available for mounting into concrete. An alternative option is sleeve anchors for mounting onto existing concrete.

Head

Die cast aluminium
With Screwless lock system
(Electrical lock on request)

Outer Protective Grill

Die cast aluminium

Diffuser

Frosted polycarbonate

Pipe

Extrusion aluminium

Paint

Electrostatic powder



Accessories:

2 x Leds Pilot Lamps

Lit when main Light Source is turned off.

Available in:

Code No 956101 - Blue

Code No 956102 - Red

Code No 956103 - Yellow

Code No 956104 - Green

Code Number should be indicated along with bollard code number



Dion 1



Dion 2



Dion 3



Dion 4



Dion 5





DION LED BOLLARDS IP65

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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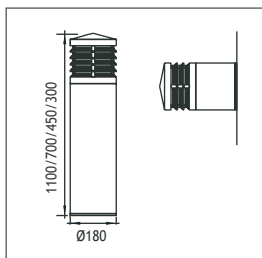
LINEAR LED, HALOGEN or FLUO

Led : Medium power LEDs

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

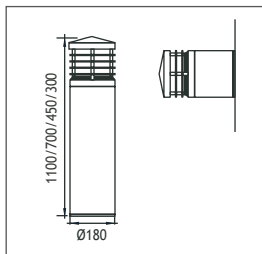
Diffuser : Polyamide 6.6

DION 1



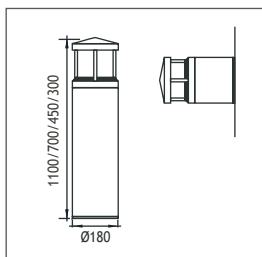
Power	30 cm	45 cm	70 cm	110 cm
FLUO 10W	143101			
ELECTRONIC FLUO 23W		143201	143301	143401
FLUO 26W		143211	143311	143411
METAL HALIDE 35W		143221	143321	143421
LINEAR LED 12W		143231	143341	143331

DION 2



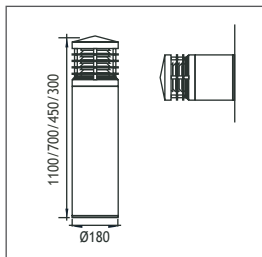
Power	30 cm	45 cm	70 cm	110 cm
FLUO 10W	144101			
ELECTRONIC FLUO 23W		144201	144301	144401
FLUO 26W		144211	144311	144411
METAL HALIDE 35W		144221	144321	144421
LINEAR LED 12W		144231	144341	144331

DION 3



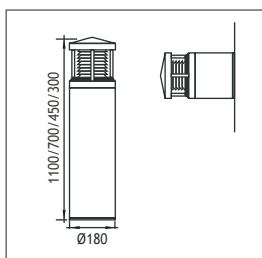
Power	30 cm	45 cm	70 cm	110 cm
FLUO 10W	145101			
ELECTRONIC FLUO 23W		145201	145301	145401
FLUO 26W		145211	145311	145411
METAL HALIDE 35W		145221	145321	145421
LINEAR LED 12W		145231	145341	145331

DION 4

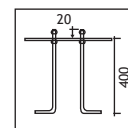


Power	30 cm	45 cm	70 cm	110 cm
FLUO 10W	146101			
ELECTRONIC FLUO 23W		146201	146301	146401
FLUO 26W		146211	146311	146411
METAL HALIDE 35W		146221	146321	146421
LINEAR LED 12W		146231	146341	146331

DION 5



Power	30 cm	45 cm	70 cm	110 cm
FLUO 10W	147101			
ELECTRONIC FLUO 23W		147201	147301	147401
FLUO 26W		147211	147311	147411
METAL HALIDE 35W		147221	147321	147421
LINEAR LED 12W		147231	147341	147331



For
DION

Anchor
Code No: 955201



MILET BOLLARD

Class I IP65 IK08

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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The Milet Indirect series consists of an on-wall fixture and a bollard using LED, halogen or fluorescent. The fixtures are made of a combination of a die cast aluminium head and an aluminium pipe painted with electrostatic powder paint. The wall fixture allows for a custom made sign showing room numbers or names. For the LED versions, a specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. For the halogen and fluorescent versions, an IP connection box is provided to allow for a secure connection of the on-site cable.

Cover

Die cast aluminium

Paint

Black or grey electrostatic powder

Pipe

Extrusion aluminium

Connection

IP connection box

Gaskets

Silicone

Diffusers

Polycarbonate

DOM LED, HALOGEN or FLUO

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

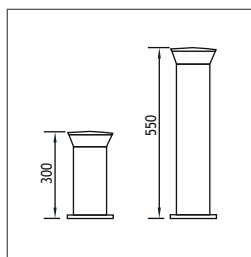
Lens : 40°

Diffuser : Polycarbonate

Cable : Potted 5 m 3x0,75 H03 VV-F

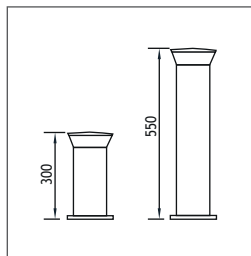


DOM LED



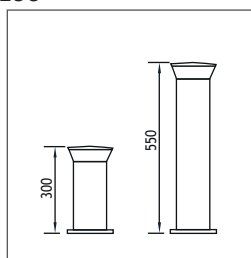
Power	Lens	Kelvin	300mm	550mm
11W	40°	3000 K	291121	292221

HALOGEN



Power	Lens	Kelvin	300mm	550mm
40W	40°	G9	291101	291201

ELECTRONIC CICALAR FLUO



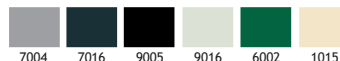
Power	Lens	Kelvin	300mm	550mm
6W	Gx53	40°	291111	291211



POLARIS

ALUMINIUM BOLLARDS Class I IP43 IK10

Available in any
of these RAL colors



FLUO

Bottom Base

Polyamide (black color)

Outer Grill

Die cast aluminium

Pipe

Extrusion aluminium

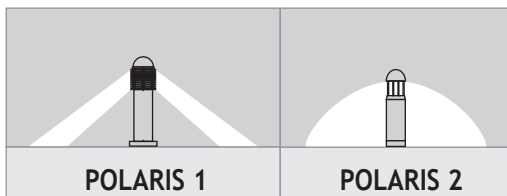
Paint

Electrostatic powder

Diffuser

Polycarbonate or

Glass (incandescent and mercury lamps)



DOM LED, HALOGEN or FLUO

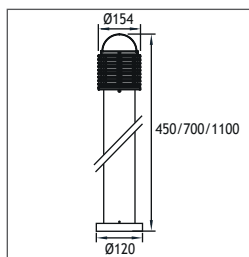
Voltage : 240V A.C with integrated driver
(24V AC or DC on request)

Lens : 40°

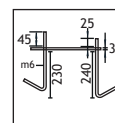
Diffuser : Polycarbonate

Cable : Potted 5 m 3x0,75 H03 VV-F

POLARIS 1

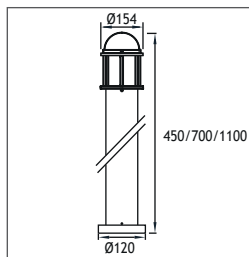


Power	Lampholder	45 cm	70 cm	1100 cm
60W	E27	124101	124201	124301
80W	E27	124111	124211	124311
23W	E27	124121	124221	124321
26W	G24 d-3	124131	124231	124331

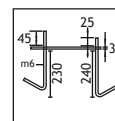


For
POLARIS 1 Anchor
Code No: 953611

POLARIS 2



Power	Lampholder	45 cm	70 cm	1100 cm
23W	E27	126101	126201	126301
26W	G24 d-3	126111	126211	126311



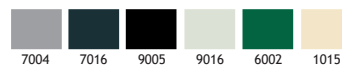
For
POLARIS 2 Anchor
Code No: 953621

LARA

ACRYLIC BOLLARDS

Class I IP55

Available in any
of these RAL colors



FLUO

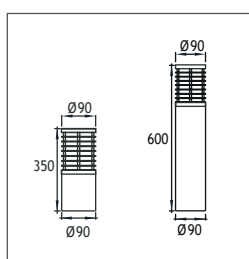
LARA (35/60 cm)

Lampholder : G24 q-1

Reflector : -

Diffuser : Acrylic Pipe

Transformer : Electronic



Power	Lampholder	35 cm	60 cm
COMPACT FLUO 13W	G24 q-1	294101	294201



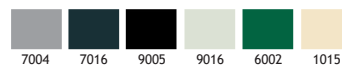


BELKIS 1

BOLLARDS (600 mm)

Class I IP55

Available in any
of these RAL colors



FLUO

Lampholder : G24 q-1

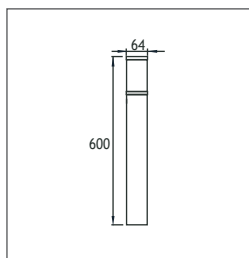
Reflector : -

Diffuser : Acrylic Pipe

Transformer : Electronic

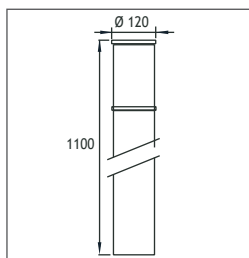


600mm



Power	Lampholder	Code No
13W COMPACT FLUO	G24 q-1	292201

1100mm



Power	Lampholder	Code No
26W COMPACT FLUO	G24 q-1	292301



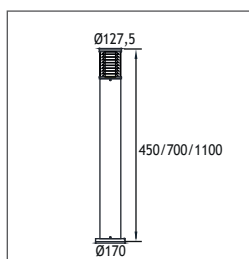
Bottom Base
Polyamide (black color)
Inner Grill
Polycarbonate
Pipe
Extrusion aluminium
Paint
Electrostatic powder
Diffuser
Polycarbonate
Anchor

LINEAR LED

Voltage : 240 V AC with integrated driver
(24V AC or DC on request)
Cable : Potted 5 m 3x0,75 H03 VV-F

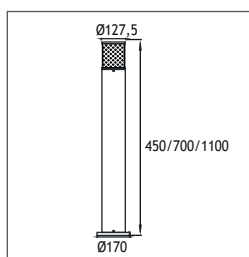


GOREME 1



Power	Kelvin	Real Lumen Output	45 cm	70 cm	110 cm
12W	2700 K	1140 lm	127003	127103	127203
12W	3000 K	1140 lm	127001	127101	127201
12W	4000 K	1162 lm	127002	127102	127202
24W	2700 K	2280 lm	127013	127113	127213
24W	3000 K	2280 lm	127011	127111	127211
24W	4000 K	2320 lm	127012	127112	127212

GOREME 2



Power	Kelvin	Real Lumen Output	45 cm	70 cm	110 cm
12W	2700 K	1140 lm	127503	127603	127703
12W	3000 K	1140 lm	127501	127601	127701
12W	4000 K	1162 lm	127502	127602	127702
24W	2700 K	2280 lm	127513	127613	127713
24W	3000 K	2280 lm	127511	127611	127711
24W	4000 K	2320 lm	127512	127612	127712

BOW

GARDEN FIXTURE

Class I IP44 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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Body

Glass reinforced polyester

Diffuser

Acrylic

Reflector

Anodized aluminium

Bracket

Stainless Steel

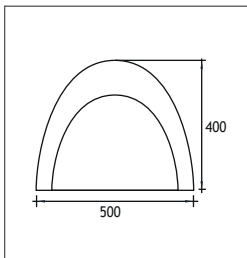
LINEAR LED or FLUO

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

Cable : Potted 5 m 3x0,75 H03 VV-F

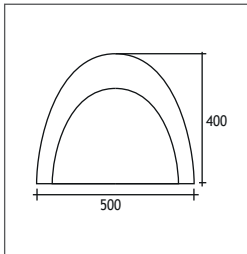


LINEAR LED



Power	Kelvin	Lumen Output	Code No
2x3W	2700 K	570 lm	129122
2x3W	3000 K	570 lm	129121

FLUO



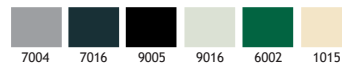
Power	Lampholder	Code No
13W	G24 d-1	129101
18W	G24 d-1	129111



RAMBO

VANDALPROOF BOLLARD Class I IP65 IK10

Available in any
of these RAL colors



Head

Die cast aluminium

Pipe

Steel

Paint

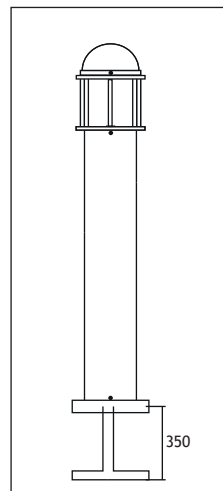
Electrostatic powder paint

Diffuser

Polycarbonate

Anchor

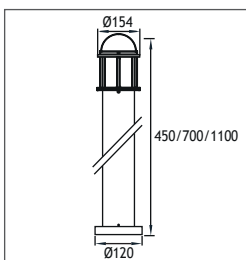
Die cast iron



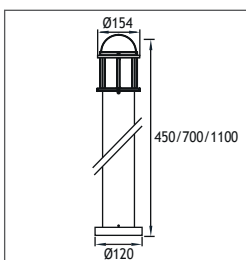
LINEAR LED, HALOGEN or FLUO

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

Cable : Potted 5 m 3x0,75 H03 VV-F



Power	Lamholder	Code No
INCANDESCENT 100W	27	128101
MERCURY 80W	27	128111
ELECTRONIC FLUO 23W	27	128121
FLUO 26W	27	128131



Power	Kelvin	Lumen Output	Code No
LINEAR LED 12W	2700 K	1400 lm	128142
LINEAR LED 12W	3000 K	1400 lm	128141



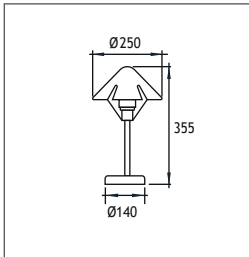
MUSHROOM

GARDEN FIXTURE
Class I IP67 IK10

Available in any
of these RAL colors

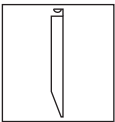
7004	7016	9005	9016	6002	1015
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HALOGEN
Top Cover
Aluminium
Inner Body
Die cast aluminium
Diffuser
Tempered Glass
Gaskets
Silicone
Lampholder: Gu1



Power	Lampholder	Code No
HALOGEN 50W	Gu10	129501

For
Mushroom



Picket
Code No: 953501

