



Bollards



ODEON

BOLLARD

Class I IP67 IK10

Available in any of these RAL colors

7004	7016	9005	9016	6002	1015
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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

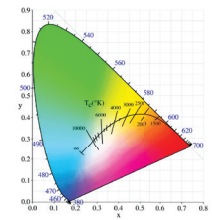
Frosted polyamide 6.6

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 and Seoul Semiconductor 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 2014. At 2700K, 3300K, and 4500K LED lumen output per led is 75lm; at 6000K the lumen output per led is 115lm. 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

7004

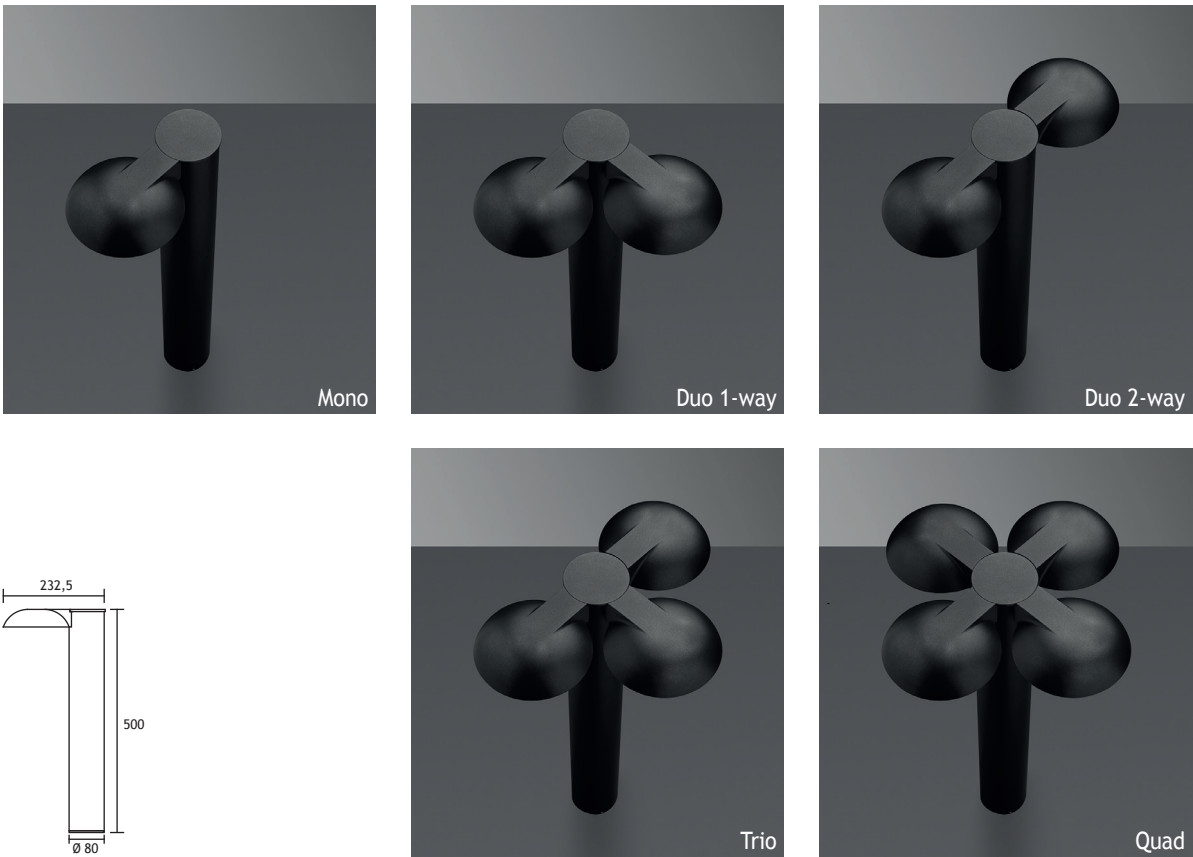
7016

9005

9016

6002

1015



- Led

: Medium power LEDs
- Voltage

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

: Polyamide 6.6

			Total Lighting Output	Code No
Mono	20 x 87 mA (6W) LED	3000 K	640 lm	178101
Mono	20 x 87 mA (6W) LED	4000 K	640 lm	178102
Duo 1-way	40 x 87 mA (12W) LED	3000 K	1280 lm	178111
Duo 1-way	40 x 87 mA (12W) LED	4000 K	1280 lm	178112
Duo 2-way	40 x 87 mA (12W) LED	3000 K	1280 lm	178121
Duo 2-way	40 x 87 mA (12W) LED	4000 K	1280 lm	178122
Trio	60 x 87 mA (18W) LED	3000 K	1920 lm	178131
Trio	60 x 87 mA (18W) LED	4000 K	1920 lm	178132
Quad	80 x 87 mA (24W) LED	3000 K	2560 lm	178141
Quad	80 x 87 mA (24W) LED	4000 K	2560 lm	178142

DION 1 WALL AND GROUND BOLLARDS

Class I IP55 IK10

Available in any of these RAL colors

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

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 dismounting 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 Asymmetrical Grill

Die cast aluminium

Diffuser

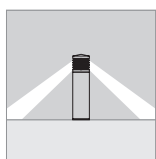
Clear polycarbonate

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

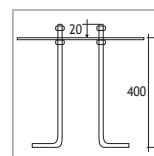
Code No 956102 - Red

Code No 956103 - Yellow

Code No 956104 - Green

Code Number should be indicated along with bollard code number

Anchor



Code No 955201

Code Number should be indicated along with bollard code number



Optional wood look finish. Please contact for additional information.

DION 1 GROUND (45 CM)

☀ CODE NO 143231

LINEAR LED 4x350 mA (12W)

CODE NO 143201

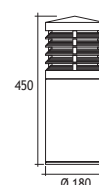
ELECTRONIC FLUO. 23W E27

CODE NO 143211

FLUO. 26W G24 q-3

CODE NO 143221

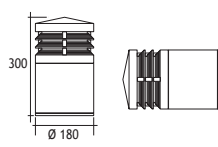
METAL HALIDE 35W G12



DION 1 WALL (30 CM)

CODE NO 143101

FLUO. 10W G24 q-1



DION 1 GROUND (70 CM)

☀ CODE NO 143341

LINEAR LED 4x350 mA (12W)

CODE NO 143301

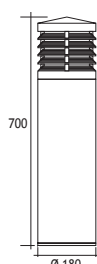
ELECTRONIC FLUO. 23W E27

CODE NO 143311

FLUO. 26W G24 q-3

CODE NO 143321

METAL HALIDE 35W G12



DION 1 GROUND (110 CM)

☀ CODE NO 143431

LINEAR LED 4x350 mA (12W)

CODE NO 143401

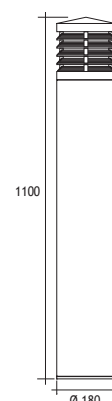
ELECTRONIC FLUO. 23W E27

CODE NO 143411

FLUO. 26W G24 q-3

CODE NO 143421

METAL HALIDE 35W G12

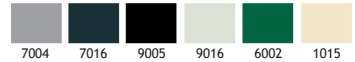




DION 2 WALL AND GROUND BOLLARDS

Class I IP55 IK10

Available in any
of these RAL colors



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 dismounting 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

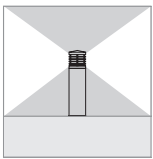
Frosted polycarbonate

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

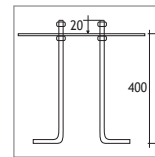
Code No 956103 - Yellow

Code No 956104 - Green

Code Number should be indicated along with bollard code number

Anchor

Code No 955201



Code Number should be indicated along with bollard code number



Optional wood look finish. Please contact for additional information.

DION 2 GROUND (45 CM)

☀ CODE NO 144231

LINEAR LED 4x350 mA (12W)

CODE NO 144201

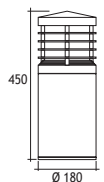
ELECTRONIC FLUO. 23W E27

CODE NO 144211

FLUO. 26W G24 q-3

CODE NO 144221

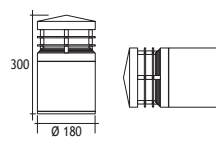
METAL HALIDE 35W G12



DION 2 WALL (30 CM)

CODE NO 144101

FLUO. 10W G24 q-1



DION 2 GROUND (70 CM)

☀ CODE NO 144341

LINEAR LED 4x350 mA (12W)

CODE NO 144301

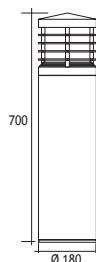
ELECTRONIC FLUO. 23W E27

CODE NO 144311

FLUO. 26W G24 q-3

CODE NO 144321

METAL HALIDE 35W G12



DION 2 GROUND (110 CM)

☀ CODE NO 144431

LINEAR LED 4x350 mA (12W)

CODE NO 144401

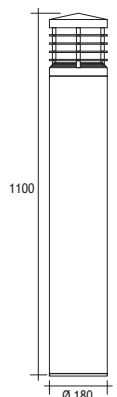
ELECTRONIC FLUO. 23W E27

CODE NO 144411

FLUO. 26W G24 q-3

CODE NO 144421

METAL HALIDE 35W G12



DION 3

WALL AND GROUND BOLLARDS

Class I IP55 IK08

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 dismounting 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)

Diffuser

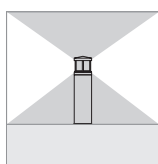
Frosted polycarbonate

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

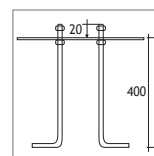
Code No 956102 - Red

Code No 956103 - Yellow

Code No 956104 - Green

Code Number should be indicated along with bollard code number

Anchor



Code No 955201

Code Number should be indicated along with bollard code number



Optional wood look finish. Please contact for additional information.

DION 3 GROUND (45 CM)

☀ CODE NO 145231

LINEAR LED 4x350 mA (12W)

CODE NO 145201

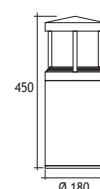
ELECTRONIC FLUO. 23W E27

CODE NO 145211

FLUO. 26W G24 q-3

CODE NO 145221

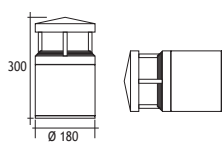
METAL HALIDE 35W G12



DION 3 WALL (30 CM)

CODE NO 145101

FLUO. 10W G24 q-1



DION 3 GROUND (70 CM)

☀ CODE NO 145341

LINEAR LED 4x350 mA (12W)

CODE NO 145301

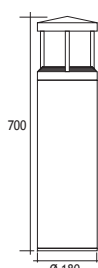
ELECTRONIC FLUO. 23W E27

CODE NO 145311

FLUO. 26W G24 q-3

CODE NO 145321

METAL HALIDE 35W G12



DION 3 GROUND (110 CM)

☀ CODE NO 145431

LINEAR LED 4x350 mA (12W)

CODE NO 145401

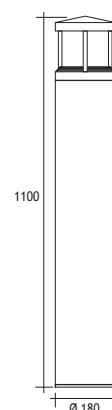
ELECTRONIC FLUO. 23W E27

CODE NO 145411

FLUO. 26W G24 q-3

CODE NO 145421

METAL HALIDE 35W G12





DION 4 WALL AND GROUND BOLLARDS

Class I IP55 IK08

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 dismounting 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

Inner Asymmetrical Grill

Polycarbonate

Diffuser

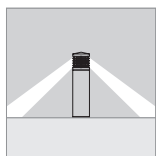
Clear polycarbonate

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

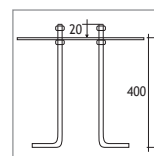
Code No 956103 - Yellow

Code No 956104 - Green

Code Number should be indicated along with bollard code number

Anchor

Code No 955201



Code Number should be indicated along with bollard code number



Optional wood look finish. Please contact for additional information.

DION 4 GROUND (45 CM)

☀ CODE NO 146221

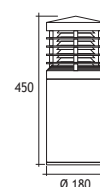
LINEAR LED 4x350 mA (12W)

CODE NO 146201

ELECTRONIC FLUO. 23W E27

CODE NO 146211

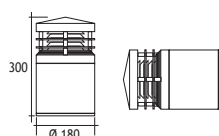
FLUO. 26W G24 q-3



DION 4 WALL (30 CM)

CODE NO 146101

FLUO. 10W G24 q-1



DION 4 GROUND (70 CM)

☀ CODE NO 146321

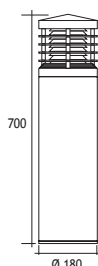
LINEAR LED 4x350 mA (12W)

CODE NO 146301

ELECTRONIC FLUO. 23W E27

CODE NO 146311

FLUO. 26W G24 q-3



DION 4 GROUND (110 CM)

☀ CODE NO 146421

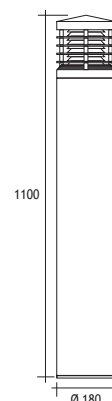
LINEAR LED 4x350 mA (12W)

CODE NO 146401

ELECTRONIC FLUO. 23W E27

CODE NO 146411

FLUO. 26W G24 q-3

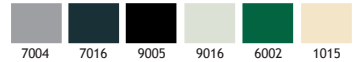


DION 5

WALL AND GROUND BOLLARDS

Class I IP55 IK08

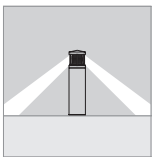
Available in any
of these RAL colors



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 dismounting 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)
Inner Asymmetrical Grill
Polycarbonate
Diffuser
Clear 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

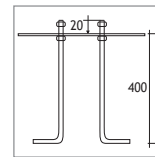
Code No 956103 - Yellow

Code No 956104 - Green

Code Number should be indicated along with bollard code number

Anchor

Code No 955201



Code Number should be indicated along with bollard code number



Optional wood look finish. Please contact for additional information.

DION 5 GROUND (45 CM)

☀ CODE NO 147221

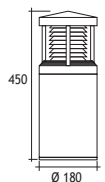
LINEAR LED 4x350 mA (12W)

CODE NO 147201

ELECTRONIC FLUO. 23W E27

CODE NO 147211

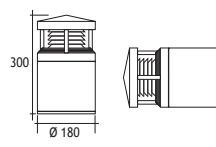
FLUO. 26W G24 q-3



DION 5 WALL (30 CM)

CODE NO 147101

FLUO. 10W G24 q-1



DION 5 GROUND (70 CM)

☀ CODE NO 147321

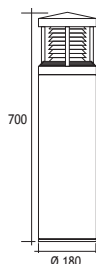
LINEAR LED 4x350 mA (12W)

CODE NO 147301

ELECTRONIC FLUO. 23W E27

CODE NO 147311

FLUO. 26W G24 q-3



DION 5 GROUND (110 CM)

☀ CODE NO 147421

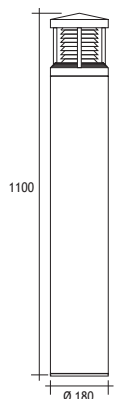
LINEAR LED 4x350 mA (12W)

CODE NO 147401

ELECTRONIC FLUO. 23W E27

CODE NO 147411

FLUO. 26W G24 q-3

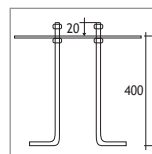


ATLANTIS

MARINE BOLLARD Class I IP55 IK08

EMFA's Atlantis bollard is made of a combination 316L stainless steel and polycarbonate for use in all weather conditions without risk of corrosion. The bollard is designed to light pathways, landscapes and open spaces. The unit comes in 3 sizes: 450mm, 700mm, and 1100mm, as well as with 2 lamp options: LED and Fluorescent. The bollard can have a polished, brushed, or matt finish. An optional galvanized steel anchorage kit is available for mounting into concrete. An alternative option is sleeve anchors for mounting onto existing concrete.

Anchor



Code No 955201

Code Number should be indicated along with bollard code number

Head

316L Stainless Steel

Diffuser

Clear Polycarbonate

Pipe

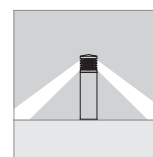
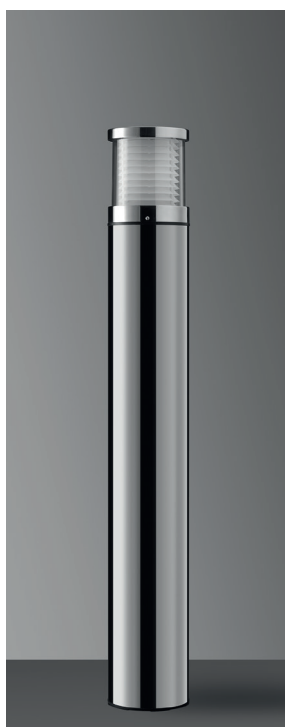
316L Stainless Steel

Isolation Belt

Polycarbonate

Finish

Polished

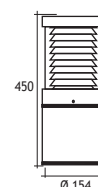


ATLANTIS (45 CM)

☀ CODE NO 409001
LED 13W E27

CODE NO 409011
ELECTRONIC FLUO. 23W E27

CODE NO 409021
FLUO. 26W G24 q-3

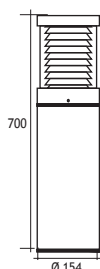


ATLANTIS (70 CM)

☀ CODE NO 409101
LED 13W E27

CODE NO 409111
ELECTRONIC FLUO. 23W E27

CODE NO 409121
FLUO. 26W G24 q-3

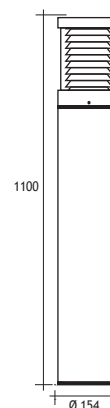


ATLANTIS (110 CM)

☀ CODE NO 409201
LED 13W E27

CODE NO 409211
ELECTRONIC FLUO. 23W E27

CODE NO 409221
FLUO. 26W G24 q-3

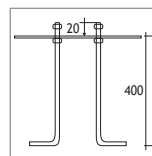


ATLANTIS

MARINE BOLLARD Class I IP55 IK08

EMFA's Atlantis bollard is made of a combination 316L stainless steel and polycarbonate for use in all weather conditions without risk of corrosion. The bollard is designed to light pathways, landscapes and open spaces. The unit comes in 3 sizes: 450mm, 700mm, and 1100mm, as well as with 2 lamp options: LED and Fluorescent. The bollard can have a polished, brushed, or matt finish. An optional galvanized steel anchorage kit is available for mounting into concrete. An alternative option is sleeve anchors for mounting onto existing concrete.

Anchor



Code No 955201

Code Number should be indicated along with bollard code number

Head

316L Stainless Steel

Diffuser

Clear Polycarbonate

Pipe

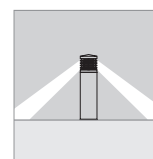
316L Stainless Steel

Isolation Belt

Polycarbonate

Finish

Brushed

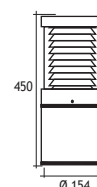


ATLANTIS (45 CM)

☀ CODE NO 410001
LED 13W E27

CODE NO 410011
ELECTRONIC FLUO. 23W E27

CODE NO 410021
FLUO. 26W G24 q-3

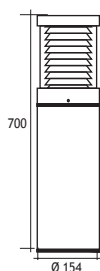


ATLANTIS (70 CM)

☀ CODE NO 410101
LED 13W E27

CODE NO 410111
ELECTRONIC FLUO. 23W E27

CODE NO 410121
FLUO. 26W G24 q-3

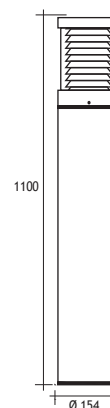


ATLANTIS (110 CM)

☀ CODE NO 410201
LED 13W E27

CODE NO 410211
ELECTRONIC FLUO. 23W E27

CODE NO 410221
FLUO. 26W G24 q-3



MILET

BOLLARD

Class I IP55 IK08

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

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

320 mA (11W) LED 3300K

300 mm

550 mm

Code No

291121

291221

Lampholder : G9

Reflector : -

Diffuser : Polycarbonate

HALOGEN 240V 40W

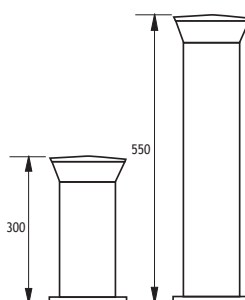
300 mm

550 mm

Code No

291101

291201



Lampholder : Gx53

Reflector : -

Diffuser : Polycarbonate

ELECTRONIC CIRCULAR FLUO. 6W

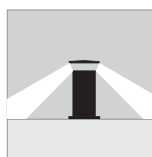
300 mm

550 mm

Code No

291111

291211



BELLA

LED BOLLARDS

Class I IP55 IK08

Head

Die cast aluminium

Diffuser

Tempered Glass 4 mm

Pipe

Extrusion aluminium

Base

Polyamide (black color)

Paint

Electrostatic powder

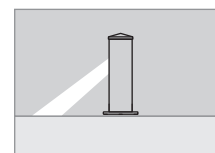


One Way Asymmetrical

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



1 Linear LED 3W		Total Lighting Output	Code No
☾ Warm White	3000 K	255 lm	149101
☼ Natural White	5000 K	295 lm	149102

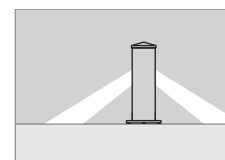
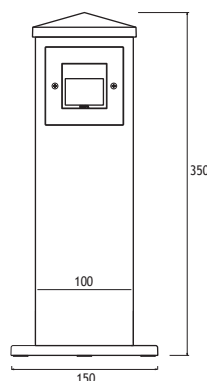
Two Ways Asymmetrical

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

2x1 Linear LED 3W		Total Lighting Output	Code No
☾ Warm White	3000 K	255 lm	149111
☼ Natural White	5000 K	295 lm	149112



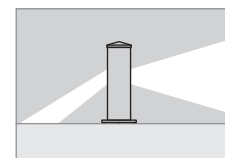
Two Ways Asymmetrical + Symmetrical

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

2x1 Linear LED 3W		Total Lighting Output	Code No
☼ Natural White	5000 K	295 lm	149121
☾ Warm White	3000 K	255 lm	149122





POLARIS 1

ALUMINIUM BOLLARDS

Class I IP43 IK10

Available in any of these RAL colors

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

Bottom Base
Polyamide (black color)
Outer Grill
Die cast aluminium
Pipe
Profile aluminium
Paint
Electrostatic powder
Diffuser
Polycarbonate or
Glass (incandescent and mercury lamps)
Anchor

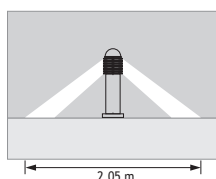
POLARIS 1 (45 CM)

CODE NO 124101
INCANDESCENT 60W E27

CODE NO 124111
MERCURY 80W E27

CODE NO 124121
ELECTRONIC FLUO. 23W E27

CODE NO 124131
FLUO. 26W G24 d-3



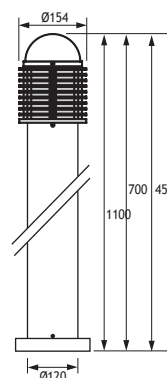
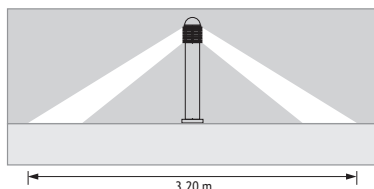
POLARIS 1 (70 CM)

CODE NO 124201
INCANDESCENT 60W E27

CODE NO 124211
MERCURY 80W E27

CODE NO 124221
ELECTRONIC FLUO. 23W E27

CODE NO 124231
FLUO. 26W G24 d-3



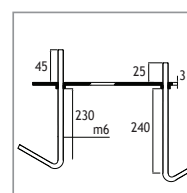
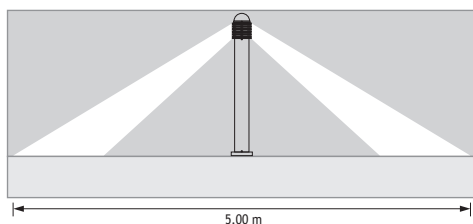
POLARIS 1 (110 CM)

CODE NO 124301
INCANDESCENT 60W E27

CODE NO 124311
MERCURY 80W E27

CODE NO 124321
ELECTRONIC FLUO. 23W E27

CODE NO 124331
FLUO. 26W G24 d-3



Anchor

Code No **953611**

Code Number should be indicated along with bollard code number

POLARIS 2

ALUMINIUM BOLLARDS

Class I IP43 IK10

Available in any of these RAL colors

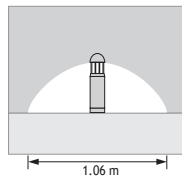
7004	7016	9005	9016	6002	1015
------	------	------	------	------	------

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

POLARIS 2 (45 CM)

CODE NO 126101
ELECTRONIC FLUO. 23W E27

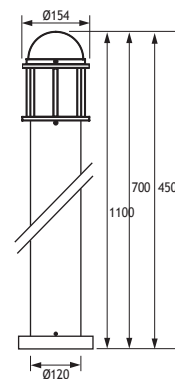
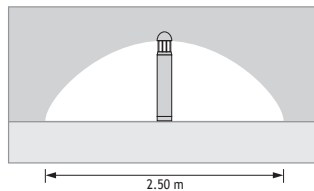
CODE NO 126111
FLUO. 26W G24 d-3



POLARIS 2 (70 CM)

CODE NO 126201
ELECTRONIC FLUO. 23W E27

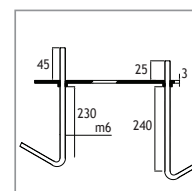
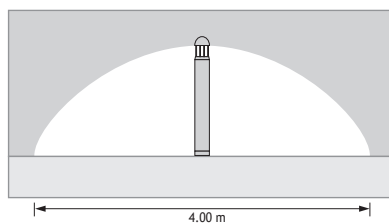
CODE NO 126211
FLUO. 26W G24 d-3



POLARIS 2 (110 CM)

CODE NO 126301
ELECTRONIC FLUO. 23W E27

CODE NO 126311
FLUO. 26W G24 d-3



Anchor

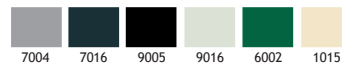
Code No **953621**

Code Number should be indicated along with bollard code number

RAMBO

VANDALPROOF BOLLARD Class I IP54 IK10

Available in any
of these RAL colors



Head

Die cast aluminium

Pipe

Steel

Paint

Electrostatic powder paint

Diffuser

Polycarbonate

Anchor

Die cast iron

(110 CM)

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

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

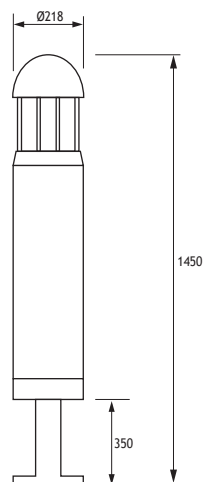
4 x 350 mA (12 W) LINEAR LED		Total Lighting Output	Code No
☀ Warm White	3000 K	1400 lm	128141

Lampholder : 27
INCANDESCENT 100W Code No
128101

Lampholder : 27
MERCURY 80W Code No
128111

Lampholder : 27
ELECTRONIC FLUO. 23W Code No
128121

Lampholder : 27
FLUO. 26W Code No
128131



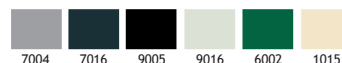
EMFA

BELKIS 1

BOLLARDS (600 mm)

Class I IP55

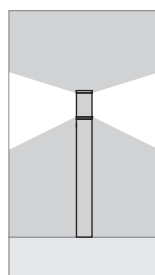
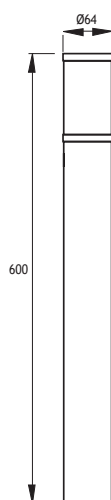
Available in any
of these RAL colors



Lampholder : G24 q-1
Reflector : -
Diffuser : Acrylic Pipe
Transformer : Electronic

COMPACT FLUO. 13W

Code No
292201



BELKIS 5

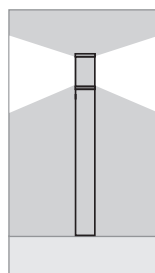
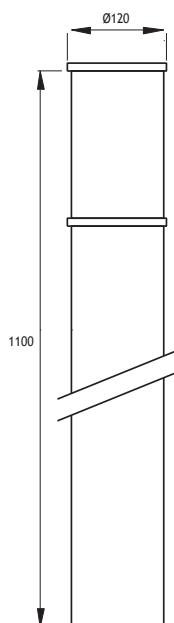
BOLLARDS (1100 mm)

Class I IP55

Lampholder : G24 d-3
Reflector : -
Diffuser : Acrylic Pipe

COMPACT FLUO. 26W

Code No
292301



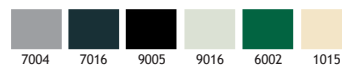


LARA

ACRYLIC BOLLARDS

Class I IP55

Available in any
of these RAL colors



LARA (35 cm)

LARA (35 cm)

Lampholder : G24 q-1

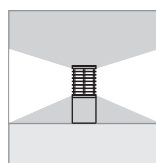
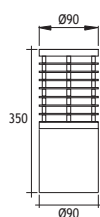
Reflector : -

Diffuser : Acrylic Pipe

Transformer : Electronic

COMPACT FLUO. 13W

Code No
294101



LARA (60 cm)

LARA (60 cm)

Lampholder : G24 q-1

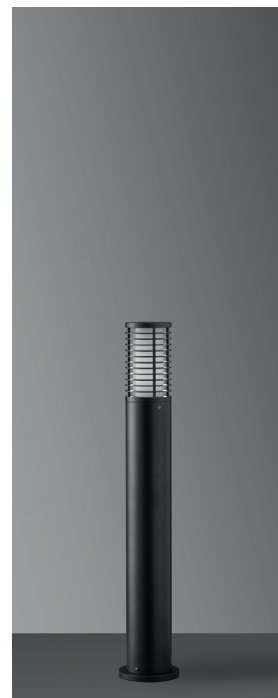
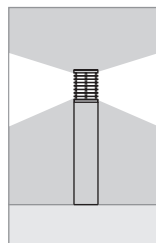
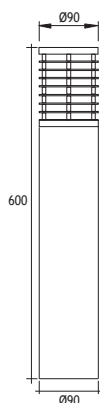
Reflector : -

Diffuser : Acrylic Pipe

Transformer : Electronic

COMPACT FLUO. 13W

Code No
294201





BOW

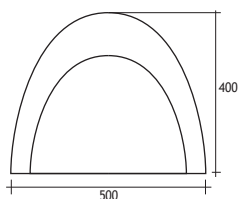
GARDEN FIXTURE

Class I IP44 IK10

Available in any of these RAL colors

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

Body
Glass reinforced polyester
Diffuser
Acrylic
Reflector
Anodized aluminium
Bracket
Stainless Steel



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

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

		Total Lighting Output	Code No
2 x 350 mA (2x3 W) LINEAR LED			
☀ Warm White	3000 K	700 lm	128121

Lampholder : G24 d-1	Code No	Lampholder : G24 d-2	Code No
1 x FLUO 13W	129101	1 x FLUO 18W	129111



MUSHROOM

GARDEN FIXTURE

Class I IP67 IK10

Top Cover
Aluminium
Inner Body
Die cast aluminium
Diffuser
Tempered Glass
Gaskets
Silicone

Lampholder : Gu10	Code No
HALOGEN 240V 50W	129501

ACCESSORY : Picket
CODE NO 953501

