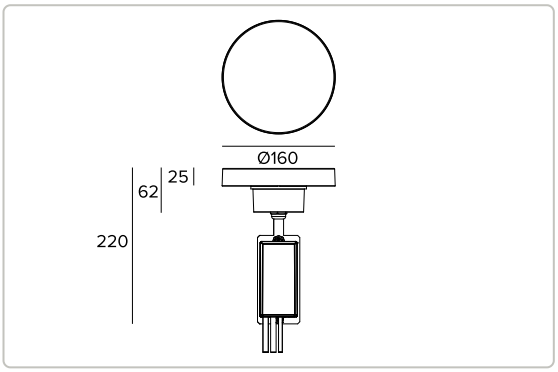
BOLLARDS

Mrs Bo Bollard - Optic head

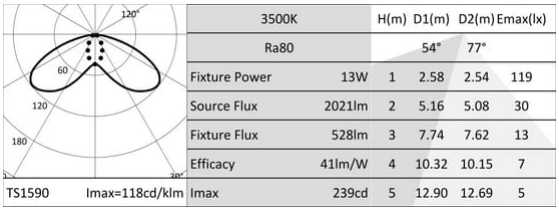
Code
1E4028DA

LIGHT COLOUR	OUTPUT	POWER SUPPLY CONTROL
3500K 80	13W 528lm	220-240Vac DALI

COLOUR



The figures on the drawing are expressed in mm.



3500K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			54°	77°	
Fixture Power	13W	1	2.58	2.54	119
Source Flux	2021lm	2	5.16	5.08	30
Fixture Flux	528lm	3	7.74	7.62	13
Efficacy	41lm/W	4	10.32	10.15	7
Imax	239cd	5	12.90	12.69	5

Technical Data

Concept

Radial-emission LED bollard.

Source

Chip on Board LED Ra80. Ra90 on request.

Energy efficiency class	D
Nominal power	12W
Nominal flux	2021lm
Colour rendering index	80
Rf	83
Rg	95
CCT nominal	3500K
SDCM	2
Lifetime (L80/B10)	72000h tq +25°C
Lifetime (L90/B10)	72000h tq +25°C

TARGETTI

CCIAA Firenze
Share Capital: € 500.000,00
VAT N. (IT): 01537660480
R.E.A: FI-275656

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Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process.
Luminous flux and power supply have +/-10% tolerances with respect to the indicated value. tq +25°C (CIE 121).

We reserve the right to make technical changes.

Technical Data

Illuminotechnical characteristics

A high reflectance anodised aluminium printed reflector. Transparent polycarbonate screen placed horizontally to avoid upwards flow (0 candles above horizontal axis).

Emission	90°+90°
Optical efficiency	26.15%
Fixture flux	528lm
Luminous efficacy	41lm/W
Photobiological safety	Compliant with RG1 low risk group
BUG rating in compliance with IES TM 15 07	B=0 U=0 G=0

Mechanical characteristics

Extruded aluminium body covered with cataphoresis protective treatment and coated with powder painting in Ferrite finish color. Anodized die-cast aluminium optical head.

Colour and finish	Ferrite
Dimensions	ØxH 160x29mm
Weight	1.24Kg
Degree of protection	IP66
Mechanical Resistance	IK10

Electrical characteristics

Integrated power supply for the DALI version. Casambi control system available using a dedicated accessory. Luminaire compliant with EN 60598-2-22 for power supply from a centralised emergency system CPSS (Central Power Supply System), not incorporated in the luminaire - high risk areas excluded. The default power and flux are 100% in AC and 100% in DC.

Fixture Power	13W
Power supply	220-240Vac 50/60Hz
Insulation Class	CLASS 2
Type of driver / Control	DALI
Driver included	YES
SAFE FLICKER	PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to ensure a more comfortable and safe light
Ambient temperature	-25°C / +35°C

Installation

"Bayonet" fixing system for the optical head. Available with three different height poles - 371, 771 and 971mm. To be completed with a stainless steel anchoring system, available in two versions with hidden plate or surface plate for installation with dowels. On both mounting options can be applied stainless steel rods for installation in concrete.

Notes

Uses the "Waterblock Plus" technical solution that involves resin coating the connection cables and completely resin coating the integrated driver limiting the risk of humidity reaching the fixture. Cataphoresis tratement for the optical head available on request. 110-277Vac version available on request. Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

Regulations and Certifications

CE

Technical Data

Warranty

5 years.

Warning

Luminaire designed for disposal/recycling at end-of-life. Replaceable (LED only) light source by a professional. Replaceable control gear by a professional.

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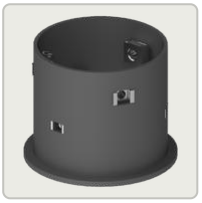
Related codes

Bollard

CODE	COLOUR	H	KG
1E4030		371mm	0.8Kg
1E4031		771mm	1.6Kg
1E4032		971mm	2Kg

Extruded aluminium body covered with cataphoresis protective treatment and coated with powder painting.

Mounting System



CODE

1E4360

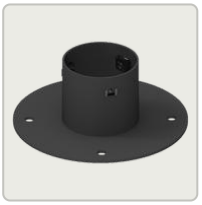
Hidden fixing plate.
AISI 316 stainless steel compatible with dowels to be inserted into holes with 8mm diameter.
0.3Kg.

CODE

1E4034

Fixing rods for installation in concrete.
AISI 316 stainless steel.
H=144mm.
0.31Kg.

To install MRS BO BOLLARD with hidden fixing plate (1E4360).



CODE

1E4035

Fixing plate with flange.
AISI 316 stainless steel compatible with dowels to be inserted into holes with 8.5mm diameter.
0.62Kg.

CODE

1E3450

Fixing rods for installation in concrete.
AISI 316 stainless steel.
H=147mm.
0.36Kg.

To install MRS BO BOLLARD with fixing plate with flange (1E4035).

Accessories

Connector

CODE

1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm².
Cable diameter range from 7 to 12mm.

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CODE

1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm².
Cable diameter range from 6 to 12mm.

CODE

1E3184

IP68 4-way cable connector (5 pole).

Tool

CODE

1E3305

Tightening wrench for the connector kit.

Control systems

CODE

1E3048

IP67 wireless control unit with DALI interface.
It generates a local DALI2 bus, enhabling a direct connection to a DALI interface LED driver.
The module can only be used in a closed system and cannot be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 5.0 technology.
The devices automatically create an adaptive, robust, and reliable wireless mesh network, allowing for the easy and efficient management of a high number of fixtures.
The control unit is preset to the DALI 1CH profile, maning the device can control a single DALI driver with broadcast commands.
In addition to the DALI broadcast, other operating modes are available, such as:

- Button (normally open)
- Control unit 0/1-10V
- Control unit DALI Tunable White DT8
- Presence sensor

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the control unit to the Casambi network.
LxHxP=108x28x65mm.

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CODE

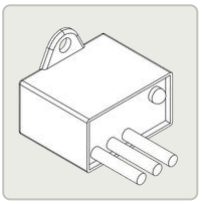
1E4369

IP67 Extender for wireless control of LED driver with dimming DALI interface based on Casambi technology.
It has a DALI2 output with the capacity to control up to 40 lighting fixtures.
With the addition of a further external BUS DALI power supply it is possible to control up to 64 fixtures.
IP67 Extender is preset to the DALI broadcast profile, meaning all the luminaires connected to it are dimmable at the same level.
In addition to the DALI broadcast other operating modes are available, such as:

- EXTENDER DALI 8CH
- EXTENDER DALI Tunable White
- EXTENDER DALI 4CH
- EXTENDER DALI DT8 Tunable White

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the extender to the Casambi network.
LxHxP=148x40x150mm.

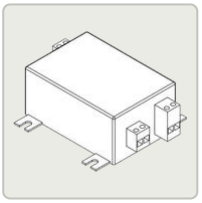
Surge protector



CODE

A013B

Surge protector compatible with CLASS II lighting fixtures and electronic drivers.
Operating voltage 220-240Vac.
SPD type 2+3.
Max surge protection 10kV.
CLASS II
IP67



CODE

A013D

Surge protector compatible with CLASS II lighting fixtures.
DALI, DMX, 0-10V datalines compliance.
Operating voltage 230-277Vac.
SPD type 2+3.
Max surge protection 10kV.
CLASS II
IP65