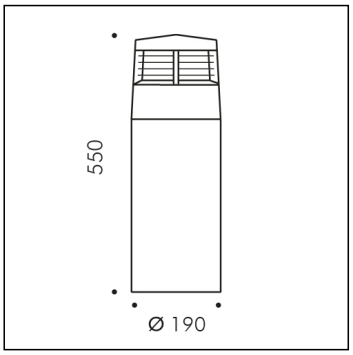
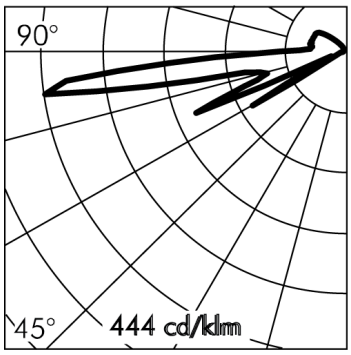
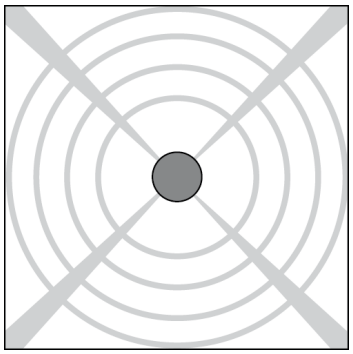
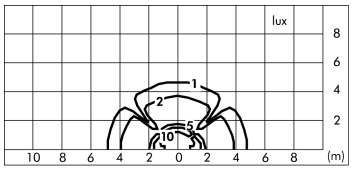
MINIREEF BOLLARD









Item no longer in the catalogue.

S.5243W

1 module COB 3000K 220-240Vac ON-OFF
Bollard

Light Source Technical Data

Light source type:	COB
Colour temperature:	3000K
Rated module luminous flux:	1740lm
Rated luminaire luminous flux:	470lm
Rated module power:	14.7W
Rated luminaire power:	16.8W
Luminaire efficacy:	28lm/W
Color Rendering Index:	CRI 90
Standard Deviation Color Matching:	MacAdam step 3

Temperature and life time Technical Data

LED Lifetime:	L80 B10 70.000h Ta 25°C L80 B10 50.000h Ta 40°C
Lifespan of the LUMINAIRE:	min. 70.000h Ta 25°C min. 50.000h Ta 40°C
Performance ambient temperature:	Tq 25°C
Operating ambient temperature range:	da -20°C a +50°C
Storage temperature range:	da -20°C a +60°C

Power Supply Technical Data

Voltage (AC):	220-240Vac
Frequency (AC):	50/60Hz
Voltage (DC):	176-280Vdc
Dimmable:	NOT DIMMABLE (ON-OFF)
Inrush Current:	17A 199µsec
Max. quantity of fixtures for Minature Circuit Breaker type B16A:	37
Max. quantity of fixtures for Minature Circuit Breaker type C16A:	62
Surge protection (between L-N):	1kV
Surge protection (between L/N-PE):	2kV

Technical Installation Data

Electrical insulation class:	II
Protection class IP:	IP65
Mechanical resistance:	IK10
Weight:	6.41Kg

SPECIAL VERSION ON REQUEST: this Luminaires can be supplied with a surcharge in class III (without power supply). Requires working remote power supply in costant current at 425mA Vfmin=Vdc Vfmax=Vdc. Example SIMES compatible power supplies (check the complete list of the drivers on the catalogue):
Art. S.2438 POWER SUPPLY 230V/250mA-700mA 20W o 230Vac/24Vdc 16W 240Hz DALI DIMMABLE IN BOX IP67
Art. S.3426 POWER SUPPLY DALI MULTI-POWER 230V/250mA-700mA o 230V/24V 16W 240Hz IP20
NB: Use 1 Power Supply for each Luminaires

SIMES S.p.A. - Via G.Pastore 2/4 - 25040 - Corte Franca (BRESCIA) ITALY - www.simes.it - e-mail: simes@simes.it
Export Sales: Tel. +39 0309860440 / Technical Dep.: Tel. +39 0309860450 / Lighting Design Dep.: Tel. +39 0309860425

MINIREEF BOLLARD
S.5243W

SPECS SHEET

LUMINAIRE TYPE
Bollard fitting. IP rating IP 65

MATERIAL CHARACTERISTICS
Aluminium die cast housing in EN AB-47100 (low copper content) and extruded EN AW-6060 with high resistance against corrosion. Stone wash surface treatment prior to painting process. A4 grade Stainless Steel screws with 2,5-3% molybdenum content which increases the resistance against corrosion. Pre treated Silicone Gaskets. Painting Process : 3 Step Process
1) Surface treatment with BONDERITE. A heavy metal free chemical surface treatment containing ceramic nano particles giving a cohesive, inorganic and highly dense protective coating. 2) PRE POLYMERIZATION a process of introducing an epoxy primer with excellent characteristics to the paint which also offers very high resistance to oxidation due to its Zinc content. 3) POLYMERIZATION a process with the application of polyester powder with high resistance against UV rays and harsh weather conditions. Resistance test protection for Marine applications for 1200h. Mechanical resistance IK 10

LIGHTING PERFORMANCE
99.98% pure anodized aluminium reflector. Polycarbonate lens transparent with controlled downward light emission for avoiding any glare, UV-stabilised and vandalproof . Lamp fixed position .

WIRING
Double cable entries with grommets. Isolation: CLASS II . Available colours: Aluminium grey (cod.14), Burnished bronze (cod.20). Weight: 6.41 Kg Glow Wire test: 850°C
LED module included

This luminaire contains built-in LED modules. In case of damage or malfunction please contact the manufacturer to receive additional instructions on how to replace and relative spare parts to order. The LED modules cannot be handled in the luminaire by the end user.

This product contains a light source of energy efficiency class (EPREL - European Product Registry for Energy Labelling): E.

LED modules are engineered accordingly to the existing regulations of Lumen Maintenance (LM80) and Technical Memorandum (TM21), where uniformity and quality of the light is 70,000 hours referred to L80 B10 Ta 25 ° C (50,000 hours referable to L80 B10 Ta 40°C). Lifespan of the luminaire min. 70.000 hours Ta 25°C, min. 50,000 hours at 40°C. Performance Ambient temperature Tq 25°C. Operating ambient temperature range is from -20°C to +50°C. Storage temperature range from -20°C to +60°C.

ELECTRONIC EQUIPMENT SENSITIVE TO OVERVOLTAGE.
We recommend installing surge protection devices "SPD" in the electrical system. Protection devices prevent the intensity of these phenomena's, protecting the appliances from the risk of being damaged and extending the lifespan. Outdoor luminaires are subject to all types of permanent, temporary, or transient electrical disturbances. Such disturbances can create permanent damage or failure affecting its performance and durability. The surge protection device (supplied by SIMES) is utilized to limit the destructive effect of these phenomena. We suggest that each luminaire must be connected to one protection device at not more than 10m away. For correct coordination of the protections, a surge protection device must also be provided inside the electrical panel of the system (the selection of this device must be carried out from the electrical designer and is not supplied by SIMES).

SIMES S.p.A. - Via G.Pastore 2/4 - 25040 - Corte Franca (BRESCIA) ITALY - www.simes.it - e-mail: simes@simes.it
Export Sales: Tel. +39 0309860440 / Technical Dep.: Tel. +39 0309860450 / Lighting Design Dep.: Tel. +39 0309860425

MINIREEF BOLLARD
S.5243W

ACCESSORIES

S.2499
SURGE PROTECTION DEVICE 10kV CLASS II
Compatible with all lighting fixtures and electronic ballast accessories classified under electrical Protection Class II Rated voltage 230-277V SPD type 2+3 Max Surge Protection 10kV IP67
EACH FIXTURE MUST BE CONNECTED TO ONE SINGLE SURGE PROTECTION DEVICE AT A DISTANCE OF NO MORE THAN 10m AWAY.

S.5507
3 WAY GEL CONNECTOR
For cables up to 5x1,5mm² diam. Min 6,5mm / Max 12mm IP68
Dimensions: 90 x 43 x 30 mm

S.5519
4 WAY GEL CONNECTOR
For cables up to 4x1,5mm² diam. Min 6,5mm / Max 12mm IP68
Dimensions: 105 x 44 x 24 mm

S.5200
FLANGE FOR GROUND APPLICATION
Flange Ø 190mm h 225mm to be fixed in concrete with stainless steel screws for fixing in the ground. Footstall dimension can be calculated according to your country norms and ground properties.

S.2490
Signal converter Input PUSH DIM Output DALI 2
Features DALI-2 dimming (1-100%). Control unit for the conversion from push button to DALI-2 interface. Allowed powering up to 35 DALI-2 interface in BROADCAST. Input current typ. 70 Ma - max. 110 Ma. Application in installation boxes. Light regulation 1-100% by means of PUSH: - a short push to turn on and off; - a longer push to increase or decrease light intensity. Dimensions 43mm x 46mm x 18.5mm
Compatible with the DT6 protocol and only for monochromatic LEDs

S.2492
IP20 Interface Virtual Midnight/Bilevel (Step-Dimming)
This device is designed to maximize energy savings in various lighting applications. The devices can operate in two modes and are compatible exclusively with Simes DALI lighting fixtures: 1. Virtual Midnight: This system is designed for public outdoor lighting, enabling the automatic reduction of light output during periods when full-power operation is unnecessary. Configuring the system is straightforward, as programming is done via rotary selectors built into the device. 2. Bilevel (Step-Dimming): The two-level dimming system is commonly used in urban and street lighting, as well as in industrial facilities, emergency stairwells, parking lots, and other similar applications. The Bilevel function allows for adjusting the light intensity between two levels, using controls such as a relay, a twilight switch paired with a timer, or a motion sensor. The lighting level can be increased or decreased through simple programming using the rotary selectors built into the device. Dimensions 60mm x33mm x15mm
It can manage a maximum of 7 DALI luminaires/devices. Possibility to extend up to max. 64 luminaires through the DALI Expander (S.2494).

S.2493
IP67 Interface Virtual Midnight/Bilevel (Step-Dimming)
This device is designed to maximize energy savings in various lighting applications. The devices can operate in two modes and are compatible exclusively with Simes DALI lighting fixtures: 1. Virtual Midnight: This system is designed for public outdoor lighting, enabling the automatic reduction of light output during periods when full-power operation is unnecessary. Configuring the system is straightforward, as programming is done via rotary selectors built into the device. 2. Bilevel (Step-Dimming): The two-level dimming system is commonly used in urban and street lighting, as well as in industrial facilities, emergency stairwells, parking lots, and other similar applications. The Bilevel function allows for adjusting the light intensity between two levels, using controls such as a relay, a twilight switch paired with a timer, or a motion sensor. The lighting level can be increased or decreased through simple programming using the rotary selectors built into the device. Dimensions 175.5mm x86.5mm x43mm
It can manage a maximum of 7 DALI luminaires/devices. Possibility to extend up to max. 64 luminaires through the DALI Expander (S.2494).

S.2494
DALI EXPANDER
The IP20 DINrail device is used to extend a DALI circuit via broadcast. The received input signal is amplified and transmitted in broadcast to the DALI luminaires / DALI control gears. The DALI Expander has an integrated DALI bus power supply (200mA) which can control up to a maximum of 64 DALI devices within 300 meters.

S.2497
IP67 Interface Virtual Midnight/Bilevel (Step-Dimming) + Expander up to 64 luminaires
This device is designed to maximize energy savings in various lighting applications. The devices can operate in two modes and are compatible exclusively with Simes DALI lighting fixtures: 1. Virtual Midnight: This system is designed for public outdoor lighting, enabling the automatic reduction of light output during periods when full-power operation is unnecessary. Configuring the system is straightforward, as programming is done via rotary selectors built into the device. 2. Bilevel (Step-Dimming): The two-level dimming system is commonly used in urban and street lighting, as well as in industrial facilities, emergency stairwells, parking lots, and other similar applications. The Bilevel function allows for adjusting the light intensity between two levels, using controls such as a relay, a twilight switch paired with a timer, or a motion sensor. The lighting level can be increased or decreased through simple programming using the rotary selectors built into the device. Dimensions 175.5mm x86.5mm x43mm