

# Product data sheet

MINICOOL BOLLARD L 220MM H 220MM

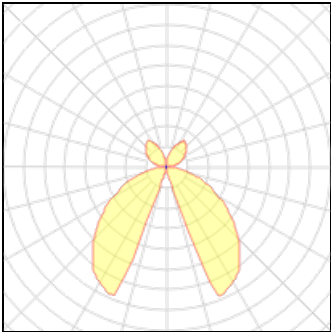
S.7236W

SIMES



GARDEN BOLLARD MINICOOL BOLLARD H. 220mm S.7236W module LED 3000K 220-240Vac ON-OFF Rated module luminous flux:: 1319lm  
Rated luminaire luminous flux: : 888lm Rated module power: : 6.6W Rated luminaire power: : 8.6W Luminaire efficacy: : 103lm/W Voltage (AC): : 220-240Vac Frequency (AC): : 50/60Hz Voltage (DC): : 176-264Vdc Dimmable: : NOT DIMMABLE (ON-OFF) Electrical insulation class: : II  
Protection class IP: : IP54 Mechanical resistance: : IK06 CE ENEC SPECIAL VERSION ON REQUEST: this Luminaires can be supplied with a surcharge in class III (without power supply). Requires working remote power supply in constant current at 500mA  $V_{fmin}=18.2Vdc$   $V_{fmax}=23.8Vdc$ . 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 LUMINAIRE TYPE Bollard fitting. IP rating IP 54 MATERIAL CHARACTERISTICS Aluminium die cast housing in EN AB-47100 (low copper content) with high resistance against corrosion. Extruded EN AW-6060 aluminium structure (bollard version) with high corrosion resistance. 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. 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 06 LIGHTING PERFORMANCE Toughened glass diffuser. LOR -. Colour rendering index CRI 90, Colour stability step 3. INSTALLATION AND MAINTENANCE The wiring of the fixtures must strictly respect the specifications. Where not provided by the fixture loop in /out or through wiring will cause infiltration of humidity and if in contact with the cables this may lead to an accelerated process of oxidation. WIRING MINI-COOL L 220mm and MINI-LOOK L 220mm hard wired with H07RN-F cable and fast connector IP68 included, COOL and LOOK L 290mm is supplied with single cable entry. Isolation: CLASS II . Available colours: White (cod.01), Aluminium grey (cod.14), Black (cod.09). Weight: 2.0933 Kg Glow Wire test: - LED module included LOOK and COOL REGISTERED DESIGN 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): C. 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).

Light output 1 (integrated)



Lamp type	LED	CCT	3000 K
Nominal lamp power	8.6 W	CRI	90
Total flux	888 lm	LOR	100%
Luminous efficacy	103 lm/W	ULOR	100%
		Total power	8.6 W

Mounting mode

Standing / Bollard

Shape and measurements

Length: 8.66 in

Width: 1.30 in

Height: 8.54 in

Adjustability

Fixed

Design

Material impression: Aluminum

Color of housing: White, Silver gray

Designer: SIMES S.P.A.

Electric

System power: 8.6 W

Appliance Class: II

Protection

IP: 54

IK: 06

Designation labels: CE, ENEC