Product data sheet

COLUMN H= 0,47M
S.4157W
SIMES

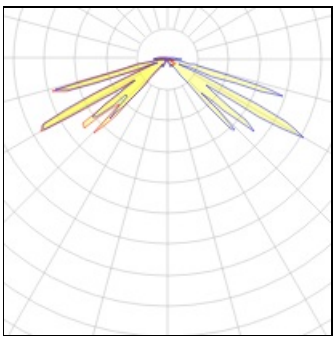


SIMES

IP 65 IK 10

Available subject to stock levels BOLLARD COLUMN 45° S.4157W 1 module COB 3000K 220-240Vac ON-OFF Rated module luminous flux:: 3674lm Rated luminaire luminous flux: : 832lm Rated luminaire power: : 37W Luminaire efficacy: : 22lm/W Voltage (AC): : 220-240Vac Frequency (AC): : 50/60Hz Voltage (DC): : 170-280Vdc Dimmable: : NOT DIMMABLE (ON-OFF) (DALI2; PUSH available with surcharge) Electrical insulation class: : II Protection class IP: : IP65 Mechanical resistance: : IK10 CE 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 900mA Vfmin=Vdc Vfmax=Vdc. Example SIMES compatible power supplies (check the complete list of the drivers on the catalogue): Art. S.2410 POWER SUPPLY DALI 230V/350-1050mA 57,8W IP67 Art. S.3427 POWER SUPPLY Dali, 1-10V, PUSH MULTI-POWER 230V/350mA-1050mA IP20 NB: Use 1 Power Supply for each Luminaires LUMINAIRE TYPE Bollard fitting. IP rating IP 65 MATERIAL CHARACTERISTICS Extruded EN AW-6060 aluminium profile, die-cast EN AB-47100 aluminium housing 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. 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 Clear polycarbonate lens with controlled downward light emission for avoiding any glare, UV-stabilised and vandalproof . Lamp fixed position . LOR -- INSTALLATION AND MAINTENANCE Garden mounted fixtures are to be installed and used with the ground stake accessory or cemented root flange. These cannot be installed directly to the ground or cement bases without the relative accessories because the contact between the two different materials may lead to an accelerated process of oxidation of the fixture. 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 Is supplied with 0.3m cable H05RNF and fast connector IP67 (Ø 12÷16 mm). (Without door for electrical inspections and connection box with fuses). Isolation: CLASS II . Available colours: Aluminium grey (cod.14). Weight: 7.49 Kg Glow Wire test: 750°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: 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. 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		CCT	3000 K
Nominal lamp power	37 W	CRI	91
Total flux	832 lm	LOR	100%
Luminous efficacy	22 lm/W	ULOR	100%
		Total power	37 W

Mounting mode

Standing / Bollard

Shape and measurements

Height: 18.50 in

Diameter: 18.50 in

Adjustability

Fixed

Design

Material impression: Aluminum

Color of housing: Silver gray

Designer: SIMES S.P.A.

Electric

System power: 37 W

Ballast: ECG

Appliance Class: II

Protection

IP: 65

IK: 10

Designation labels: CE