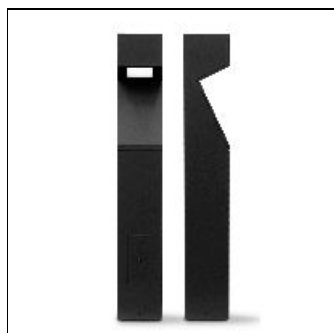


Product data sheet

MOAI

S.6160N

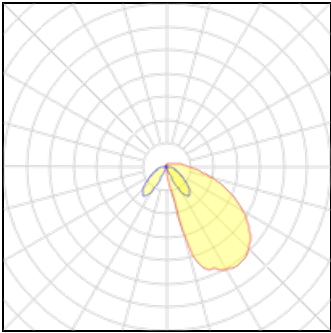
SIMES



Version is available on request. BOLLARD MOAI S.6160N 1 module COB 4000K 220-240Vac DIMMABLE DALI2; PUSH Rated module luminous flux: 5288lm Rated luminaire luminous flux: 1875lm Rated module power: 30W Rated luminaire power: 33.9W Luminaire efficacy: 55lm/W Voltage (AC): 220-240Vac Frequency (AC): 50/60Hz Voltage (DC): 198-276Vdc (No PUSH DIM) Dimmable: DALI2; PUSH PUSH Synchronization: - Max 4 Luminaires, distance <15m; - Max 35 Luminaires, distance <300m with S.2490 accessory. Electrical insulation class: II Protection class IP: IP65 Mechanical resistance: IK06 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 constant current at 900mA $V_{min}=31.8Vdc$ $V_{max}=37.5Vdc$. Example SIMES compatible power supplies (check the complete list of the drivers on the catalogue):
Art. S.2444 POWER SUPPLY MULTI-POWER 230V/700mA-1050mA DALI2, PUSH DIM IN BOX IP67 35W
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 06 VERY SOLID BOLLARD The accessory flange when rooted into the ground provides extra protection and prevents the bollard from being knocked over. The bollard head component is made from a one piece ALUMINIUM DIE-CAST. The 4 angled sides provide a very rigid solution. LIGHTING PERFORMANCE Reeded glass diffuser provides even horizontal light distribution at ground level. The glass is fixed to the aluminium support with a very strong resin. The eye perception is even lighting when the luminaire is in a real environment. With the Anti-glare screen accessory (S.6159 / S.6169) the upward emission (ULR) is reduced to 3% (Minimoai) and 3,5% (Moai). Lamp fixed position . 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 Supply 0.3m cable section type H05RN-F . The installation is easy: the lamp body is installed on the bollard structure, and is then fixed to it through an allen screw placed on the back of the bollard. The absence of screws in sight enhances the essential, minimalistic design of the fitting. Supplied with IP67 fast connector. Isolation: CLASS II . Available colours: Aluminium grey (cod.14), Black (cod.09), Burnished bronze (cod.20). Weight: 15.54 Kg Glow Wire test: – LED module included MOAI 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: 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	LED	CCT	3800 K
Nominal lamp power	33.9 W	CRI	86
Total flux	1875 lm	LOR	100%
Luminous efficacy	55 lm/W	ULOR	7%
		Total power	33.9 W

Mounting mode

Standing / Bollard

Shape and measurements

Length: 7.17 in

Width: 7.17 in

Height: 45.28 in

Adjustability

Fixed

Design

Material impression: Aluminum

Color of housing: Silver gray

Designer: SIMES S.P.A.

Electric

System power: 33.9 W

Controller: DALI

Appliance Class: II

Protection

IP: 65

IK: 06

Designation labels: CE