

# Product data sheet

MEGACUBIKS H=0,45M

S.5374N

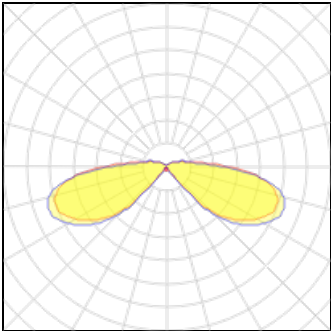
SIMES



Version is available on request. Available subject to stock levels BOLLARD MEGACUBIKS 4 WINDOWS 45 cm S.5374N 4 module COB 4000K 220-240Vac ON-OFF Rated module luminous flux: 7935lm Rated luminaire luminous flux: 2184lm Rated module power: 47.2W Rated luminaire power: 55W Luminaire efficacy: 40lm/W Voltage (AC): 220-240Vac Frequency (AC): 50/60Hz Voltage (DC): 170-280Vdc Dimmable: NOT DIMMABLE (ON-OFF) Electrical insulation class: II Protection class IP: IP66 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 constant current at 1400mA  $V_{min}=31.2Vdc$   $V_{max}=36.8Vdc$ . 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 66 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 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 The optic system combines 2 elements: 1) reflector 99.98% pure aluminium; 2) enlargement lenses The reflector is placed above the lamp to maximize the light output, capturing any indirect light, reflecting the rays back down towards the prismatic lens. An ENLARGEMENT LENS provides even horizontal light distribution at ground level. The lens 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. Lamp fixed position . LOR -- 4 windows version are delivered as standard but, on request, can be delivered with: 1 window; 2 windows; 3 windows; If the window is closed the design is always clean. 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 Supplied with 0.5m cable type H07RNF and IP67 fast connector. The connector must be connected at the supply line ( $\varnothing$  12÷16 mm). Isolation: CLASS II . Available colours: Aluminium grey (cod.14). Weight: 11.45 Kg Glow Wire test: -- LED module included CUBIKS 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		CCT	3000 K
Nominal lamp power	55 W	CRI	90
Total flux	2184 lm	LOR	100%
Luminous efficacy	40 lm/W	ULOR	14%
		Total power	55 W

Mounting mode

Standing / Bollard

Shape and measurements

Length: 9.45 in

Width: 9.45 in

Height: 17.72 in

Adjustability

Fixed

Design

Material impression: Aluminum, Glass

Color of housing: Silver gray

Designer: SIMES S.P.A.

Electric

System power: 55 W

Appliance Class: I

Protection

IP: 65

IK: 10

Designation labels: CE