

# Product data sheet

MINIEOS SQUARE

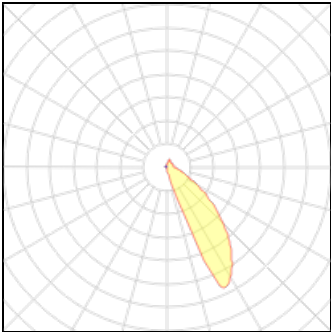
S.4610N

SIMES



Version is available on request. Available subject to stock levels STEP LIGHT WALL RECESSED MINIEOS SQUARE LED S.4610N 2 module LED 4000K 220-240Vac ON-OFF Rated module luminous flux:: 227lm Rated luminaire luminous flux: : 42lm Rated module power: : 2W Rated luminaire power: : 4W Luminaire efficacy: : 11lm/W Voltage (AC): : 220-240Vac Frequency (AC): : 50/60Hz Voltage (DC): : 176-264Vdc Dimmable: : NOT DIMMABLE (ON-OFF) Electrical insulation class: : I Protection class IP: : IP55 Mechanical resistance: : IK05 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 350mA  $V_{min}=V_{dc}$   $V_{max}=V_{dc}$ . 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 Wall mounted luminaire. IP rating IP 55 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. EPDM 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 05 LIGHTING PERFORMANCE Reflector in 99.98% pure anodized aluminium . Opal toughened glass diffuser. LOR -- INSTALLATION AND MAINTENANCE Installation is simple with polypropylene recessing box. Appropriate plastic supports reinforce the centre of the structure. This strategy prevents buckling during the concrete wall construction phase. The luminaires are fixed in the recessing box by stainless steel screws. The glass diffuser is siliconed directly in the cover. The glass is safely protected against blows or vandalism. The cover hides the recessing box edge, holes and other wall imperfections. WIRING Single cable entry. Isolation: CLASS I . Available colours: Aluminium grey (cod.14). Weight: 0.61 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. 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	4 W	CRI	90
Total flux	42 lm	LOR	100%
Luminous efficacy	10 lm/W	ULOR	13%
		Total power	4 W

Mounting mode

Wall recessed

Shape and measurements

Length: 3.94 in

Width: 0.24 in

Height: 3.94 in

Adjustability

Fixed

Electric

System power: 4 W

Appliance Class: I

Protection

IP: 65

IK: 06