

# Product data sheet

MINIROUND FULL GLASS

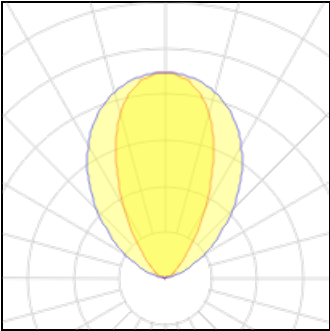
S.5402N

SIMES



Version available on request without price surcharge. INGROUND WALKOVER LINEAR MINIROUND FULL GLASS S.5402N module LED 4000K 220-240Vac ON-OFF Rated module luminous flux: 1350lm Rated luminaire luminous flux: 536lm Rated module power: 8.1W Rated luminaire power: 9.1W Luminaire efficacy: 59lm/W Voltage (AC): 220-240Vac Frequency (AC): 50/60Hz Voltage (DC): 176-276Vdc Dimmable: NOT DIMMABLE (ON-OFF) Electrical insulation class: I Protection class IP: IP65 IP67 Mechanical resistance: IK09 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 voltage 24V. Example SIMES compatible power supplies (check the complete list of the drivers on the catalogue): Art. S.2439 POWER SUPPLY 230V/250mA-700mA 20W o 230Vac/24Vdc 16W 240Hz DIMMABLE 1-10V, PUSH DIM IN BOX IP67 Art. S.3426 POWER SUPPLY DALI MULTI-POWER 230V/250mA-700mA o 230V/24V 16W 240Hz IP20 LUMINAIRE TYPE Inground walk over fitting. Recessing depth 95 mm. IP rating IP 65 IP67 MATERIAL CHARACTERISTICS Minilinear: "Copper Free" Aluminium extruded EN AW-6060 with high resistance against corrosion, caps in "Copper Free" Aluminium die cast housing in EN AB-44100 with high resistance against corrosion. Miniround: "Copper Free" Aluminium die cast housing in EN AB-44100 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. Pre treated Silicone Gaskets (Minilinear). 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 09 Maximum load capacity 500 Kg LIGHTING PERFORMANCE acid-etched Toughened glass 6mm thick. Lamp fixed position. LOR -- Compact electronic ballast to guarantee better lamp stability, lifetime and reduced energy consumption. LOW SURFACE TEMPERATURE Surface temperature of glass 40°C (Ta 25°C) Electronic Ballast generating less heat. Specific layout of internal components allow for better heat dissipation therefore limiting the temperature generated inside the fitting. RECESSING BOX Recessing box in aluminium (Minilinear) or polypropylene (Miniround) with cable entry on all 4 sides also allows: 1) Easy wiring; 2) Cable management for fast connector; 3) Easy access to the fitting for maintenance purposes. WIRING Supply 0.5m cable section type H07RN-F and sealed with B component epoxy resin, wired internally protected by silicon sheaths. Fast connector IP67 (Ø 12÷16 mm) supplied as standard for single cable connection . Connector housed inside the recessing box . Miniround: The housing of Miniround has a 'dove-tail' joint to perfectly connect two or more consecutive fittings (5 consecutive luminaires create a full circle). Isolation: CLASS I . Finishing : FULL-GLASS Weight: 2.891 Kg Glow Wire test: -- 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 (EPREL - European Product Registry for Energy Labelling): 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. 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

Light output 1 (integrated)



Lamp type	LED	CCT	4000 K
Nominal lamp power	9.1 W	CRI	80
Total flux	536 lm	LOR	100%
Luminous efficacy	59 lm/W	ULOR	100%
		Total power	9.1 W

Mounting mode

Floor recessed

Shape and measurements

Height: 0.08 in  
Diameter: 4.96 in

Adjustability

Tiltable

Design

Material impression: Glass  
Designer: SIMES S.P.A.

Electric

System power: 9.1 W  
Appliance Class: I

Protection

IP: 67  
IK: 09  
Max. point load: 500 kg  
Designation labels: CE