Product data sheet

FLAT COMFORT
S.7971H
SIMES



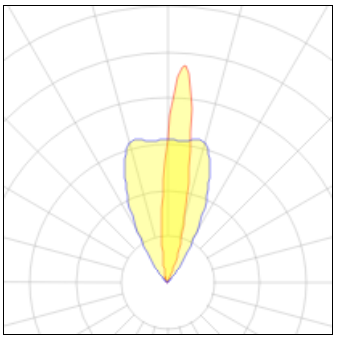
SIMES

IP 67 IK 10

Version is available on request. Available subject to stock levels INGROUND DRIVEOVER FLAT COMFORT S.7971H 9 module LED 2700K 220-240Vac ON-OFF Rated module luminous flux:: 1748lm Rated luminaire luminous flux: : 1083lm Rated module power: : 14.8W Rated luminaire power: : 16.6W Luminaire efficacy: : 65lm/W Voltage (AC): : 220-240Vac Frequency (AC): : 50/60Hz Voltage (DC): : 176-280Vdc Dimmable: : NOT DIMMABLE (ON-OFF) (DALI2; PUSH available with surcharge) Electrical insulation class: : I Protection class IP: : IP65 IP67 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 550mA Vfmin=23.4Vdc Vfmax=27.9Vdc. 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 Inground drive over fitting. Recessing depth 195 mm. IP rating IP 65 IP67 MATERIAL CHARACTERISTICS "Copper Free" Aluminium die cast housing in EN AB-44100 with high resistance against corrosion. Stone wash surface treatment prior to painting process. Front trim in aluminium . 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 Maximum load capacity 3500 Kg LIGHTING PERFORMANCE Sophisticatd optical systems able to considerably reduce glare thanks to the retracted position of the LED. Optical reflector in black polycarbonate combined with transparent methacrylate lenses (Versions with LED). The lathed anodized reflector is composed of HI-GRADE 99,98% pure anodized aluminium with a bright polish finish (Version with COB). transparent Toughened glass 19mm thick (15mm Flat-Megaflat). Lamp adjustable ±5° 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 Polypropylene 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 H07RNF secured by cable gland PG 13.5 (Ø 6÷12 mm) and sealed with B component epoxy resin, wired internally protected by silicon sheaths. Fast connector M20 (Ø 5÷14 mm) supplied as standard for single cable connection . Connector housed inside the recessing box . Front re-lamping without removing the complete fitting . Isolation: CLASS I . Available colours: Black (cod.09). Weight: 4.97 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: F. 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	16.6 W	CRI	92
Total flux	1083 lm	LOR	100%
Luminous efficacy	65 lm/W	ULOR	100%
		Total power	16.6 W

Mounting mode

Floor recessed

Shape and measurements

Height: 0.39 in

Diameter: 8.66 in

Adjustability

Tiltable

Design

Material impression: Glass, Stainless steel

Designer: SIMES S.P.A.

Electric

System power: 16.6 W

Appliance Class: I

Protection

IP: 67

IK: 10

Max. point load: 5000 kg

Designation labels: CE