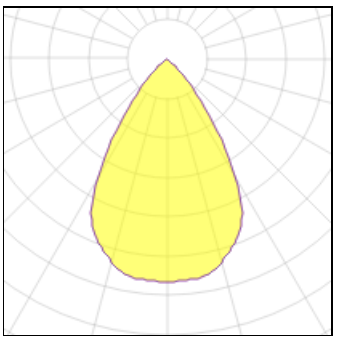
Product data sheet

CATCH SQUARE 4LED ALLUMINIO
S.7411W
SIMES



Available subject to stock levels CEILING RECESSED MOUNTED CATCH SQUARE 4LED S.7411W 4 module LED 3000K 220-240Vac DIMMABLE DALI2; PUSH Rated module luminous flux:: 840lm Rated luminaire luminous flux: : 589lm Rated luminaire power: : 10.9W Luminaire efficacy: : 54lm/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: : IK08 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 700mA Vfmin=10.4Vdc Vfmax=12.4Vdc. 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 False ceiling-recessed down-light fitting. IP rating IP 65 MATERIAL CHARACTERISTICS Aluminium die cast housing in EN AB-47100 (low copper content) with high resistance against corrosion. Stone wash surface treatment prior to painting process. Aluminium front trim or Marine grade stainless steel AISI 316L front trim. 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 08 LIGHTING PERFORMANCE The led chips are positioned inside specific cowels and are not visible therefore resulting in excellent visual comfort and antiglare characteristics. Toughened transparent glass 5mm thick. Lamp adjustable ±20° position. LOR -- INSTALLATION AND MANTEINANCE The luminaires are fixed to the falseceiling by a heavy-duty bracket system, adjustable. WIRING Luminaire hard wired with 0.4m H05RNF cable, supplied with IP67 connector . Isolation: CLASS II . Available colours: Aluminium grey (cod.14), White (cod.01). Weight: 1 Kg Glow Wire test: -- LED module included 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	10.9 W	CRI	91
Total flux	589 lm	LOR	100%
Luminous efficacy	54 lm/W	ULOR	100%
		Total power	10.9 W

Mounting mode

Ceiling recessed

Shape and measurements

Length: 4.61 in
Width: 4.61 in
Height: 3.27 in

Adjustability

Fixed

Design

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

Electric

System power: 10.9 W
Controller: DALI
Appliance Class: III

Protection

IP: 65
IK: 08
Designation labels: CE