

# Product data sheet

## MINI-CONCRETE APPLIQUE SINGLE EMISSION

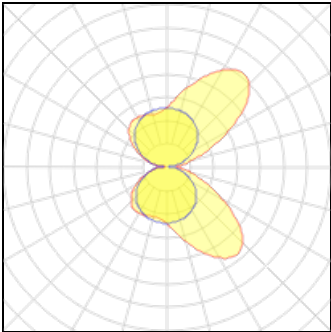
C.8016N

SIMES



Version is available on request. WALL MOUNTED MINICONCRETE APPLIQUE DOUBLE EMISSION C.8016N module LED 4000K 220-240Vac ON-OFF Rated module luminous flux: 1349lm Rated luminaire luminous flux: 923lm Rated module power: 6.6W Rated luminaire power: 8.6W Luminaire efficacy: 107lm/W Voltage (AC): 220-240Vac Frequency (AC): 50/60Hz Voltage (DC): 176-264Vdc Dimmable: NOT DIMMABLE (ON-OFF) Electrical insulation class: II Protection class IP: IP65 Mechanical resistance: IK06 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 500mA  $V_{min}=18.2Vdc$   $V_{max}=23.8Vdc$ . 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 65 MATERIAL CHARACTERISTICS Concrete covering with added synthetic fibers with high mechanical strength. Die-cast EN AB-47100 aluminium (low copper content) 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. Silicone gaskets. This luminaire has been manufactured with hand crafted procedures, therefore small imperfections, subsidence of the concrete surface, actual cracks and future, colour ripples and variations over time, are deliberately present and they are a feature of the concrete luminaire, proving the hand-made manufacturing procedure. Mechanical resistance IK 06 LIGHTING PERFORMANCE Toughened glass diffuser. LOR --. Colour rendering index CRI 90, Colour stability step 3. WIRING Supplied with single cable entry. Isolation: CLASS II . Available colours: Concrete (cod.35). Weight: 1.6285 Kg Glow Wire test: -- LED module included CONCRETE APPLIQUE 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 (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 SIMES).

Light output 1 (integrated)



Lamp type	LED	CCT	4181 K
Nominal lamp power	8.64 W	CRI	90
Total flux	923 lm	LOR	100%
Luminous efficacy	107 lm/W	ULOR	51%
		Total power	8.64 W

Mounting mode

Wall mounted

Shape and measurements

Length: 9.41 in

Width: 3.54 in

Height: 9.41 in

Adjustability

Fixed

Design

Material impression: Stone

Designer: Marc Sadler

Electric

System power: 8.64 W

Appliance Class: III

Protection

IP: 65

IK: 03

Designation labels: CE