



# Emergency Surface Mounted Downlight Wireless

EM256C SM 7S OA/CO NM3 ELW IP40 WH

5 W, 235°, Emergency lighting 3 hours duration with Wireless Interface

New wireless emergency surface mounted downlights and monitoring system, enabling building managers to control, monitor and test emergency lighting and produce compliance reports, through a secure cloud-based dashboard.

## Warnings and Safety

- The battery is designed with a rated average battery design life of 50,000 hours in standby mode. The battery is supported with a standard five-year warranty; conditional of the product being maintained and operated in accordance with the manufacturer's guidelines and tested in accordance with EN50272

## Product data

General Information		Operating and Electrical	
Number of gear units	Unit	Colour rendering index (CRI)	≥70
Driver included	Yes	Light source colour	750 neutral white
Value ladder	Specification	Optic type	-
Warranty period	5 years	Luminaire light beam spread	235°
		Unified Glare Rating (CEN)	Not applicable
Light Technical			
Luminous Flux	675 lm	Input Voltage	220-240 V
Correlated Colour Temperature (Nom)	5000 K	Line Frequency	50 Hz
Luminous efficacy (rated) (nom.)	110 lm/W	Inrush current	12.8 A

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Inrush time	0.192 ms
Power Consumption	5 W
Power Factor (Fraction)	0.29
Connection	2 push-in connectors 2-pole
Cable	-
Number of products on MCB (16 A type B)	53
Suitable for random switching	Not applicable
Protection class IEC	Safety class II

## Controls and Dimming

Dimmable	No
Driver/power unit/transformer	-
Control interface	Interact office
Constant light output	No
Connectivity	Interact Ready
Photocell	-

## Mechanical and Housing

Housing material	Polycarbonate
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	UV-stabilised polycarbonate cover
Fixation material	-
Housing Colour	White
Optical cover/lens finish	Clear
Overall length	222 mm
Overall width	171 mm
Overall height	42 mm
Dimensions (height x width x depth)	42 x 171 x 222 mm
Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK04 [0.5 J standard plus]
Mounting	Ceiling Wall
Net Weight (Piece)	0.700 kg

## Emergency Operation

Emergency flux	675 lm
Rated duration of the emergency lighting (when fully charged)	3 h
Additional max. power consumption when emergency battery is charging	5 W
Central Emergency	No
Type of emergency lighting battery	Lithium
Emergency lighting	Emergency lighting 3 hours duration with Wireless Interface
Emergency function testing method	Programmed automatic self testing via DALI or wireless lighting control system
Emergency lighting operation mode	Non-maintained

## Approval and Application

Glow-wire test	-
Flammability mark	-
CE mark	Yes

ENEC mark	-
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
EU RoHS compliant	Yes
Diffuser Flammability Class	TP(a) diffuser flammability class
Performance ambient temperature Tq	25 °C
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	+5 to +45 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.346, 0.356) SDCM<5
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 35,000 h	5 %
Control gear failure rate at median useful life 50,000 h	10 %
Control gear failure rate at median useful life 50,000 h	25 %
Control gear failure rate at median useful life 100,000 h	50 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	L95
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L95
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L90

## Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	11.1 kg CO <sub>2</sub> e
Product non-virgin material ratio	8.09 %
Recyclable the content ratio of the finished product	20.3 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kWh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT

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	(kW) * 1000 (lm) / LUMEN OUTPUT
	DECLARED UNIT (lm) * 35000 (hrs) *
	ENERGY MIX (kg CO2 eq / kwh)
<b>Product Data</b>	
Order product name	EM256C SM 7S OA/CO NM3 ELW IP40 WH
Full product name	EM256C SM 7S OA/CO NM3 ELW IP40 WH

Full EOC	871951488046700
Order code	912401483625
Material no. (12 NC)	912401483625
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514880467
Numerator – packs per outer box	20
EAN/UPC – Case	8719514880283

## Dimensional drawing

