



# Emergency downlight EM120B

## EM120B LED2S EL3 WH

Emergency lighting 3 hours duration Pro version, White

Safety is of utmost importance for building owners, and therefore having proper emergency lighting in place is a major concern for them. The Emergency downlight EM120B offers an easy solution for stand alone emergency lighting, that is fully compliant with European regulations. The lithium battery (LiFePO4) has many advantages over nickel based products, as it has a longer lifetime, better discharge behaviour, is produced in a more welfare friendly way and can be recycled. Two interchangeable lenses are supplied with the product, to adjust the beam angle to the application.

### Product data

General Information		Operating and Electrical	
Light source replaceable	No	Luminous Efficacy (rated) (Nom)	90 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	>70
Driver included	Yes	Beam angle of light source	105 degree(s)
Lighting Technology	LED	Light source color	750 neutral white
Mounting	Recessed	Optic type	Very wide beam
Serviceability class	Class C, luminaire without serviceable parts, not serviceable	Luminaire light beam spread	105°
Warranty period	3 years	Unified glare rating CEN	22
Sustainability rating	Unclassified		
Light Technical		Input Voltage	220 to 240 V
Luminous Flux	180 lm	Line Frequency	50 to 60 Hz
Correlated Color Temperature (Nom)	5000 K	Initial CLO power consumption	- W
		Average CLO power consumption	4 W
		Inrush current	8.7 A

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Inrush time	125 ms
Power Consumption	4 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 2-pole
Cable	-
Number of products on MCB of 16 A type B	40
Suitable for random switching	No
Protection class IEC	Safety class II

### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

### Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Clear
Overall length	620 mm
Overall width	33 mm
Overall height	45 mm
Overall diameter	80 mm
Dimensions (Height x Width x Depth)	45 x 33 x 620 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	0.335 kg

### Emergency Operation

Rated duration of the emergency lighting (when fully charged)	3 hour(s)
Central Emergency	No
Emergency lighting	Emergency lighting 3 hours duration Pro version

Emergency function testing method	Manual / Test button
Emergency lighting operation mode	Non-maintained

### Approval and Application

Glow-wire test	-
Flammability mark	-
CE mark	Yes
ENEC mark	-
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	0 to +40 °C

### Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.34, 0.35) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.8 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70

### Product Data

Order product name	EM120B LED2S EL3 WH
Full product name	EM120B LED2S EL3 WH
Full product code	871869979146999
Order code	912401483241
Material Nr. (12NC)	912401483241
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699791469
Numerator - Packs per outer box	20
EAN/UPC - Case	8718699791506

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## Dimensional drawing

