



Emergency downlight EM120B

EM120B LED2S EL3 SELF-TEST WH

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 standalone emergency lighting: it 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			
Light source replaceable	No	Correlated Colour Temperature	5000 K
Number of gear units	Unit	Luminous efficacy (rated) (nom.)	90 lm/W
Driver included	Yes	Colour rendering index (CRI)	>70
Lighting Technology	LED	Flickering value (PstLM)	1
CE mark	Yes	Stroboscopic effect	1.6
Warranty period	3 years	Beam angle of light source	105 degree(s)
Flammability mark	-	Light source colour	750 neutral white
ENEC mark	-	Optic type	Very wide beam
Glow-wire test	-	Luminaire light beam spread	105°
EU RoHS compliant	Yes	Unified Glare Rating (CEN)	22
Light Technical		Operating and Electrical	
Luminous Flux	180 lm	Input Voltage	220 to 240 V
		Line Frequency	50 to 60 Hz

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Initial CLO power consumption	- W
Average CLO power consumption	4 W
Inrush current	8.7 A
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

Temperature

Ambient temperature range	0 to +40 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

Mechanical and Housing

Housing material	Polycarbonate
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	White
Optical cover/lens 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

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.34, 0.35) SDCM<3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.8 %
Lumen maintenance at median useful life* 50,000 h	70

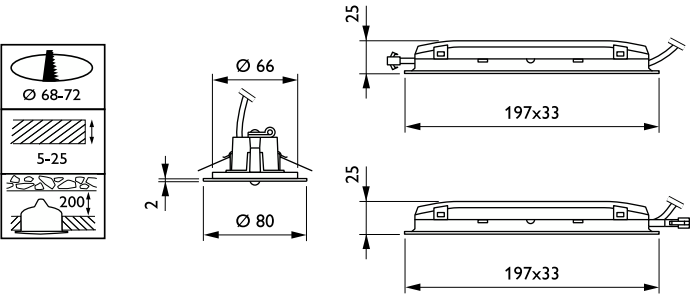
Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	No

Product Data

Order product name	EM120B LED2S EL3 SELF-TEST WH
Full product name	EM120B LED2S EL3 SELF-TEST WH
Full EOC	871869979147699
Order code	79147699
Material no. (12 NC)	912401483242
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699791476
Numerator – packs per outer box	20
EAN/UPC - Case	8718699791513

Dimensional drawing



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