



# Emergency downlight EM120B

## EM120B LED2S EL3 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 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	Correlated Color Temperature (Nom)	5000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	90 lm/W
Driver included	Yes	Color rendering index (CRI)	>70
Lighting Technology	LED	Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
CE mark	Yes	Stroboscopic effect visibility measure (SVM)	1.6
Warranty period	3 years	Beam angle of light source	105 degree(s)
Flammability mark	-	Light source color	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

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Line Frequency	50 to 60 Hz
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 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

## 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 5000 h	0.8 %
Lumen maintenance at median useful life* 50000 h	70

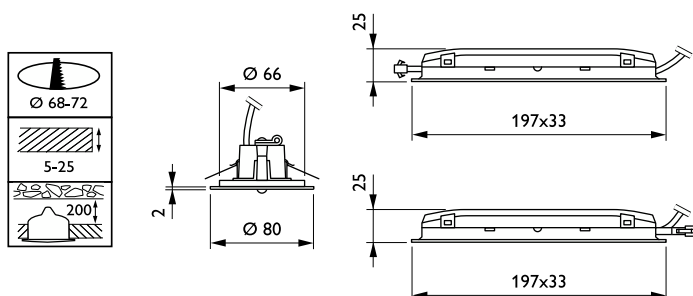
## Application Conditions

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

## Product Data

Order product name	EM120B LED2S EL3 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

## Dimensional drawing



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