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

Beam angle of light source	105 °
Light source color	750 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optic type	Very wide beam
Luminaire light beam spread	105°
Control interface	–
Connection	Push-in connector 2-pole
Cable	–
Protection class IEC	Safety class II
Glow-wire test	–

Flammability mark	–
CE mark	CE mark
ENEC mark	–
Warranty period	3 years
Constant light output	No
Number of products on MCB of 16 A type B	40
EU RoHS compliant	Yes
Unified glare rating CEN	22

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	– W
Average CLO power consumption	4 W

Emergency downlight EM120B

Inrush current	8.7 A
Inrush time	125 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Material	Polycarbonate
Reflector material	–
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	–
Optical cover/lens finish	Clear
Overall length	620 mm
Overall width	33 mm
Overall height	45 mm
Overall diameter	80 mm
Color	White
Dimensions (Height x Width x Depth)	45 x 33 x 620 mm (1.8 x 1.3 x 24.4 in)

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	180 lm

Luminous flux tolerance	+/–10%
Initial LED luminaire efficacy	90 lm/W
Init. Corr. Color Temperature	5000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.34, 0.35) SDCM<3
Initial input power	4 W
Power consumption tolerance	+/–10%

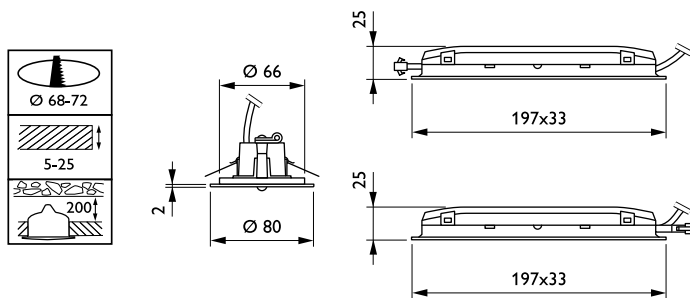## Application Conditions

Ambient temperature range	0 to +40 ℃
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Suitable for random switching	No

Product Data

Full product code	871869979146999
Order product name	EM120B LED2S EL3 WH
EAN/UPC – Product	8718699791469
Order code	912401483241
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	20
Material Nr. (12NC)	912401483241
Net Weight (Piece)	0.335 kg

IK 02

Dimensional drawing

Emergency downlight EM120B

Emergency downlight EM120B