



Emergency downlight EM120B

EM120B LED2S EL3 WH

Emergency lighting 3 hours duration Pro version, White

Polycarbonate, White, Power supply unit (On/Off), 180 lm, 4 W, 90 lm/W, 5000 K, (0.34, 0.35) SDCM<3, Very wide beam, Clear, Polycarbonate, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II, Push-in connector 2-pole, Emergency lighting 3 hours duration Pro version

Product data

General Information		Unified glare rating CEN	
Light source replaceable	No		22
Number of gear units	1 unit	Operating and Electrical	
Driver included	Yes	Input Voltage	220 to 240 V
Service tag	No	Line Frequency	50 to 60 Hz
Lighting Technology	LED	Initial CLO power consumption	- W
Mounting	Recessed	Average CLO power consumption	4 W
Warranty period	3 years	Inrush current	8.7 A
		Inrush time	125 ms
Light Technical		Power Consumption	4 W
Luminous Flux	180 lm	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	5000 K	Connection	Push-in connector 2-pole
Luminous Efficacy (rated) (Nom)	90 lm/W	Cable	-
Color rendering index (CRI)	>70	Number of products on MCB of 16 A type B	40
Beam angle of light source	105 degree(s)	Suitable for random switching	No
Light source color	750 neutral white	Protection class IEC	Safety class II
Optic type	Very wide beam		
Luminaire light beam spread	105°		

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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

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

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

