

PRODUCT DATASHEET

EM DL DN120 HO AT 3H Escape

EMERGENCY DOWNLIGHT DN120 AUTO TEST | Emergency Downlights with high lumen output and automatic test function



Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation

Product benefits

- Product family covers various types of emergency lighting applications
- High luminous flux and optimized light distribution
- High test temperature (850 °C) according to glow wire test rating IEC 60695-2-12
- High IK rating (IK07) according to impact test IEC 62262-2002

Product features

- Self-contained luminaires
- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Battery discharge time: 3 h
- Mounting type: ceiling recessed or surface mounting



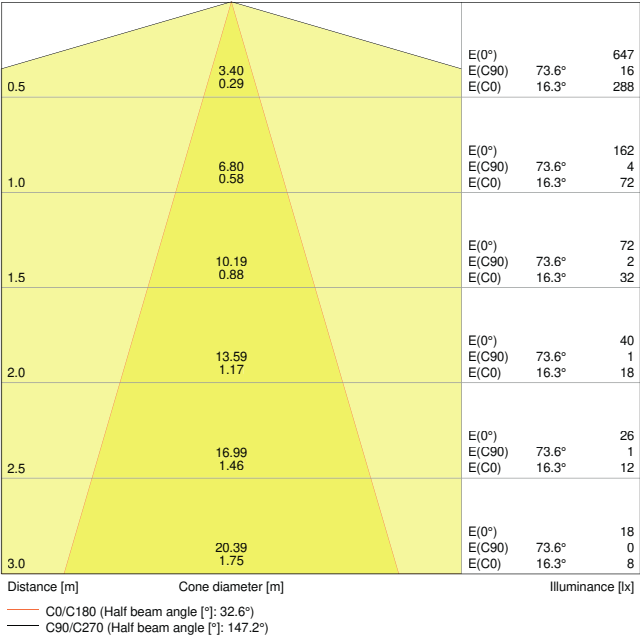
- Function test: automatic (AT)
- Operation mode: non-maintained (NM)
- Battery technology: NiMH
- Versions available for escape routes or antipanic illumination
- Integrated power supply: control gear and battery

TECHNICAL DATA**Electrical data**

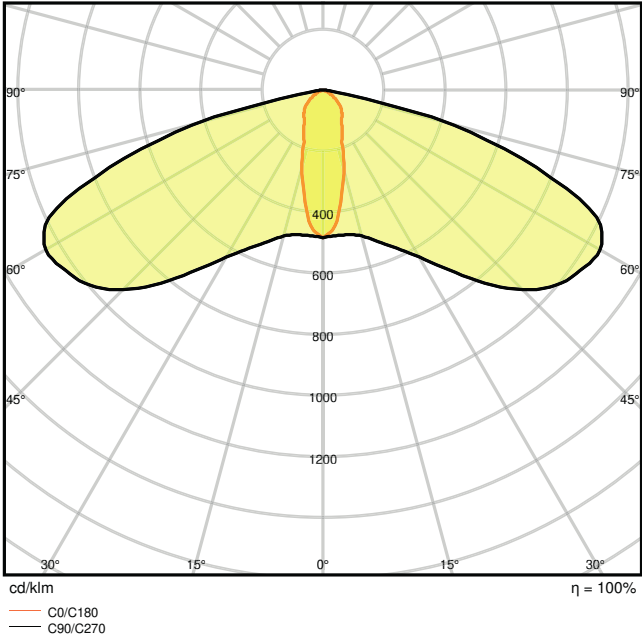
Nominal wattage	4.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	50 mA
Max. number of luminaires per miniature circuit breaker B16	50
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	64
Power factor λ	≥ 0.4
Total harmonic distortion	20 %
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	335 lm
Luminous efficacy	83 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Photobiological safety group acc. to EN62778	RG1



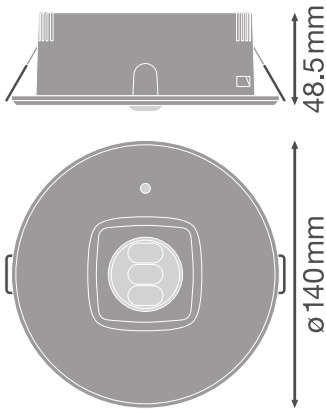
EM DL DN120 HO AT 3H ESCAPE



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Dimensions & Weight

Diameter	140.00 mm
Height	48.50 mm
Product weight	460.00 g



EM DL DN120 3H ESCAPE

Materials & Colors

Product color	White
Housing color	White
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	0...+40 °C
Temperature range at storage	-25...+35 °C
Type of connection	Screwless terminal, 2-Pole
Type of protection	IP43/IP20
Protection class IK (shock resistance)	IK07
Dimmable	No
Mounting type	Surface/Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	120,0 mm
Mounting depth	90 mm
Replaceable light source	No

BATTERY

Type of Battery	Ni-MH
Battery size [GMS]	AA
Nominal voltage of battery	7.2 V
Nominal capacity of battery	1800 mAh
Battery charging time	24 h

Emergency lighting

Area of emergency application	Escape route signage
Type of emergency light operation	Non-maintained
Type of emergency operation test	Automatic
Wattage in emergency operation mode	4 W
Luminous flux in maintained operation mode	335 lm

Luminous flux in emergency operation mode	335 lm
Battery life in emergency operation mode	3 h
Integrated test switch	Yes





Certificates & Standards






Standards	CE / CB / RoHS / ENEC 17
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

– Surface mounting kit available

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	User Instruction Emergency Downlight DN 120
	Declarations of conformity	Certificate of Conformity EM DL DN120 Nemko
	Declarations of conformity	EU Declaration of Conformity Emergency downlight LEDV
	Certificates	ENEC EM Downlights

Photometric and lighting design files		Document name
	IES file (IES)	EM DL DN120 HO AT 3H ESCAPE
	LDT file (Eulumdat)	EM DL DN120 HO AT 3H ESCAPE
	UGR file (UGR table)	EM DL DN120 HO AT 3H ESCAPE
	Light distribution curve type cone	EM DL DN120 HO AT 3H ESCAPE
	Light distribution curve type polar	EM DL DN120 HO AT 3H ESCAPE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075124578	Folding box 1	145 mm x 145 mm x 75 mm	505.00 g	1.58 dm ³
4058075124585	Shipping box 8	305 mm x 305 mm x 170 mm	4507.00 g	15.81 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.