

# PRODUCT FAMILY DATASHEET

## EMERGENCY DOWNLIGHT DN120 MANUAL TEST

### Emergency Downlights with manual test function



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#### Areas of application

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

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#### 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

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#### 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: manual (MT)
- Operation mode: maintained (M) or 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

Product description	Nominal wattage	Nominal voltage	Nominal current	Max. no. of lum. on circuit break. B16 A	Max. no. of lum. on circuit break. C10 A
EM DL DN120 MT 3H Escape	4.00 W	220...240 V	50 mA	50	40
EM DL DN120 MT 3H Antipanic	4.00 W	220...240 V	50 mA	50	40

Product description	Max. no. of lum. on circuit break. C16 A	Power factor $\lambda$	Total harmonic distortion	Protection class	Operating mode
EM DL DN120 MT 3H Escape	64	$\geq 0.4$	20 %	II	Integrated LED driver
EM DL DN120 MT 3H Antipanic	64	$\geq 0.4$	20 %	II	Integrated LED driver

Photometrical data

Product description	Luminous flux	Luminous efficacy	Color temperature	Light color (designation)	Photobiological safety group acc. to EN62778
EM DL DN120 MT 3H Escape	235 lm	58 lm/W	6500 K	Cool Daylight	RG1
EM DL DN120 MT 3H Antipanic	235 lm	58 lm/W	6500 K	Cool Daylight	RG1

Product description
EM DL DN120 MT 3H Escape
EM DL DN120 MT 3H Antipanic

Dimensions & Weight

Product description	Diameter	Height	Product weight
EM DL DN120 MT 3H Escape	140.00 mm	48.50 mm	460.00 g
EM DL DN120 MT 3H Antipanic	140.00 mm	48.50 mm	460.00 g

Materials & Colors

Product description	Product color	Housing color	Body material	Cover material	Glow Wire Test according to IEC 60695-2-12
EM DL DN120 MT 3H Escape	White	White	Polycarbonate (PC)	Polycarbonate (PC)	850 °C
EM DL DN120 MT 3H Antipanic	White	White	Polycarbonate (PC)	Polycarbonate (PC)	850 °C

Product description	Mercury content
EM DL DN120 MT 3H Escape	0.0 mg

Product description	Mercury content
EM DL DN120 MT 3H Antipanic	0.0 mg

### Application & Mounting

Product description	Ambient temperature range	Temperature range at storage	Type of connection	Type of protection	Protection class IK (shock resistance)
EM DL DN120 MT 3H Escape	0...+40 °C	-25...+35 °C	Screwless terminal, 2-Pole	IP43/IP20	IK07
EM DL DN120 MT 3H Antipanic	0...+40 °C	-25...+35 °C	Screwless terminal, 2-Pole	IP43/IP20	IK07

Product description	Dimmable	Mounting type	Mounting location	Mounting diameter	LED module replaceable
EM DL DN120 MT 3H Escape	No	Surface/Recessed	Ceiling	120,0 mm	Not replaceable
EM DL DN120 MT 3H Antipanic	No	Surface/Recessed	Ceiling	120,0 mm	Not replaceable

### Emergency lighting

Product description	Area of emergency application	Type of emergency light operation	Type of emergency operation test	Wattage in emergency operation mode	Luminous flux in maintained operation mode
EM DL DN120 MT 3H Escape	Escape route signage	Maintained	Manual	4 W	235 lm
EM DL DN120 MT 3H Antipanic	Anti-panic lighting	Maintained	Manual	4 W	235 lm

Product description	Luminous flux in emergency operation mode	Nominal voltage of battery	Battery life in emergency operation mode	Battery charging time	Integrated test switch
EM DL DN120 MT 3H Escape	235 lm	7.2 V	3 h	24 h	Yes
EM DL DN120 MT 3H Antipanic	235 lm	7.2 V	3 h	24 h	Yes

### Certificates & Standards

Product description	Standards	Luminaire with limited surface temperature, "D sign"	Ball shot safe
EM DL DN120 MT 3H Escape	CE / CB / RoHS / ENEC 17	No	No
EM DL DN120 MT 3H Antipanic	CE / CB / RoHS / ENEC 17	No	No

### EQUIPMENT / ACCESSORIES

- Surface mounting kit available

### APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.













## SALES AND TECHNICAL SUPPORT











Sales and Technical Support [www.ledvance.com](http://www.ledvance.com)

## COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
EM DL DN120 MT 3H Escape	4058075124530	-	-	4283660	-
EM DL DN120 MT 3H Antipanic	4058075124516	-	-	4283659	-

## DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction User Instruction Emergency Downlight DN 120
	Tender documents Tender Text 4058075124530
	Certificates ENEC EM Downlights
	Declarations of conformity Certificate of Conformity EM DL DN120 Nemko
	Declarations of conformity EU Declaration of Conformity Emergency downlight LEDV
	IES file (IES) EM DL DN120 MT 3H ESCAPE
	LDT file (Eulumdat) EM DL DN120 MT 3H ESCAPE
	R3D file (Relux 3D Model) Emergency downlight
	M3D file (3D Model) Emergency_Downlight.m3d
	UGR file (UGR table) EM DL DN120 MT 3H ESCAPE
	Illumination graphics, emergency op. 4058075124530 EM DL DN120 MT 3H ESCAPE Planning
	User instruction User Instruction Emergency Downlight DN 120

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	Tender documents Tender Text 4058075124516
	Certificates ENEC EM Downlights
	Declarations of conformity EU Declaration of Conformity Emergency downlight LEDV
	Declarations of conformity Certificate of Conformity EM DL DN120 Nemko
	IES file (IES) EM DL DN120 MT 3H ANTIPANIC
	LDT file (Eulumdat) EM DL DN120 MT 3H ANTIPANIC
	R3D file (Relux 3D Model) Emergency downlight
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	UGR file (UGR table) EM DL DN120 MT 3H ANTIPANIC
	Illumination graphics, emergency op. 4058075124516 EM DL DN120 MT 3H ANTIPANIC Planning

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075124530	Folding box 1	145 mm x 145 mm x 75 mm	505.00 g	1.58 dm <sup>3</sup>
4058075124516	Folding box 1	145 mm x 145 mm x 75 mm	505.00 g	1.58 dm <sup>3</sup>

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.