PRODUCT DATASHEET
LN SF IP44 EM 1500 43 W 3000 K WT

LINEAR SURFACE IP44 EMERGENCY | Robust IP44 luminaires with direct light emission, integrated driver and integrated emergency lighting function



AREAS OF APPLICATION

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Efficient replacement for traditional T8 and T5 luminaires
- General lighting in wet or damp and dusty facilities and warehouses
- Public buildings
- Corridors, stairways

PRODUCT BENEFITS

- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- High luminous efficacy in normal operation
- 3 years guarantee
- Low maintenance and low operational costs
- Cable entry on the back of the luminaire and on each end-caps for easy electrical connection
- Easy and quick installation
- Low flicker light thanks to special electronic control gear

PRODUCT FEATURES

- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)



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- Luminaire suited for normal lighting and emergency lighting
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Ambient temperature in operation: 5°...+40 C
- Surface mounted luminaires with direct light emission
- Type of protection: IP44
- Impact resistance: IK08
- Available in 2 different lengths: 1200 mm and 1500 mm
- High luminous efficacy: up to 115 lm/W

TECHNICAL DATA

Electrical data

Nominal wattage	43.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Power factor λ	≥0.90
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	18
Max. no. of lum. on circuit break. C10 A	21
Max. no. of lum. on circuit break. C16 A	30
Inrush current	16 A
Total harmonic distortion	≤ 20 %
Wattage in emergency operation mode	3.0 W
Nominal voltage of battery	3.2 V
Wattage in maintained operation mode	43.0 W
Inrush current time T_{h50}	236 µs

Luminaire control gear data

Low flicker	Yes
Ouput current	1050 mA

Photometrical data

Color temperature	3000 K
Luminous flux	5000 lm
Luminous efficacy	110 lm/W
Standard deviation of color matching	≤4 sdcm
Light color (designation)	Warm White
Color rendering index Ra	≥80

Light technical data

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Beam angle	120 °

Dimensions & weight



Length	1499 mm
Width	145.0 mm
Height	64.5 mm
Product weight	2800.00 g

Colors & materials

Body material	Stainless steel
Product color	White
Housing color	White
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate

Temperatures & operating conditions

Ambient temperature range	+5…+40 °C

Lifespan

Number of switching cycles	25000
Lifespan L70/B50 at 25 °C	60000 h
Lifespan L80/B10 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	25000 h

Additional product data

Mounting type	SURFACE/SUSPENDED
Mounting location	Ceiling
Low flicker	Yes
Product remark	Available from June 2020

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Capabilities

Dimmable	No
Type of connection	Push fit terminal
LED module replaceable	Not replaceable
Ball shot safe	No
Type of emergency operation test	Automatic
Integrated test switch	No

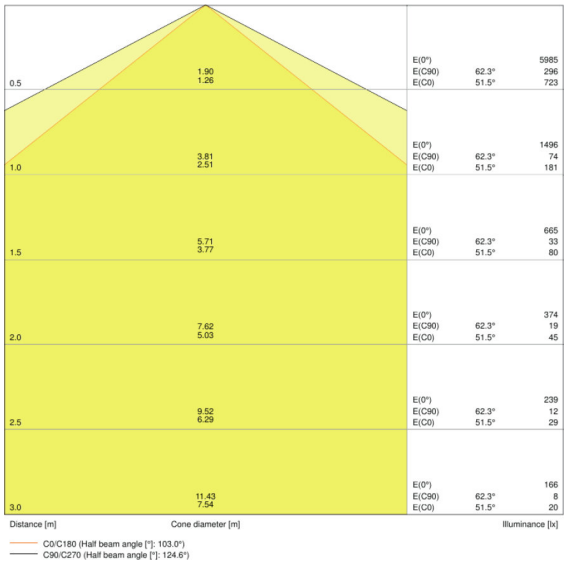
Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group EN62778	RG 1
Photobio. safety group acc. to EN62471	RG 0
Protection class	I
Type of protection	IP44
Standards	CE/CB/ENEC/TÜV SÜD/EAC/RoHS

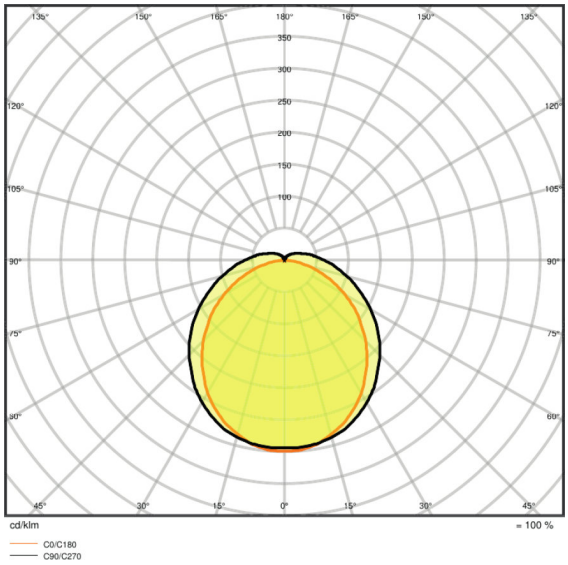
Logistical data

Temperature range at storage	5...+35 °C

Light Distribution



LDC typ cone



LDC typ polar

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EQUIPMENT / ACCESSORIES

- Accessories for suspension available
- Mounting screws and dowels included

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075402997	Folding carton box 1	1507 mm x 150 mm x 77 mm	3024.00 g	17.41 dm^3
4058075403000	Shipping carton box 4	1529 mm x 319 mm x 183 mm	13650.00 g	89.26 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.

REFERENCES / LINKS

For Guarantee see

- www.ledvance.com/guarantee

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