

# PRODUCT DATASHEET

## LN SF IP44 EM 1200 36 W 4000 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)



- 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	36.00 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	16
Max. no. of lum. on circuit break. C10 A	16
Max. no. of lum. on circuit break. C16 A	25
Inrush current	15.6 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	36.0 W
Inrush current time T <sub>h50</sub>	265 μs

Luminaire control gear data

Low flicker	Yes
Ouput current	1050 mA

Photometrical data

Color temperature	4000 K
Luminous flux	4000 lm
Luminous efficacy	100 lm/W
Standard deviation of color matching	≤4 sdc <sub>m</sub>
Light color (designation)	Cool White
Color rendering index Ra	≥80
Luminous flux in emergency operation mode	350 lm
Luminous flux in maintained operation mode	4000 lm

## Light technical data

<b>Beam angle</b>	120 °
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## Dimensions &amp; weight



<b>Length</b>	1199 mm
<b>Width</b>	145.0 mm
<b>Height</b>	64.5 mm
<b>Product weight</b>	2400.00 g

## Colors &amp; materials

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

## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	+5...+40 °C
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## Lifespan

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

## Additional product data

<b>Mounting type</b>	SURFACE/SUSPENDED
<b>Mounting location</b>	Ceiling
<b>Low flicker</b>	Yes
<b>Type of Battery</b>	LiFePO4

<b>Product remark</b>	Available from June 2020
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## Capabilities

<b>Dimmable</b>	No
<b>Type of connection</b>	Push fit terminal
<b>LED module replaceable</b>	Not replaceable
<b>Ball shot safe</b>	No
<b>Type of emergency operation test</b>	Automatic
<b>Battery life in emergency operation mode</b>	3 h
<b>Battery charging time</b>	<24 h
<b>Area of emergency application</b>	Anti-panic lighting / Escape route lighting
<b>Type of emergency light operation</b>	Maintained / Non-maintained
<b>Integrated test switch</b>	No

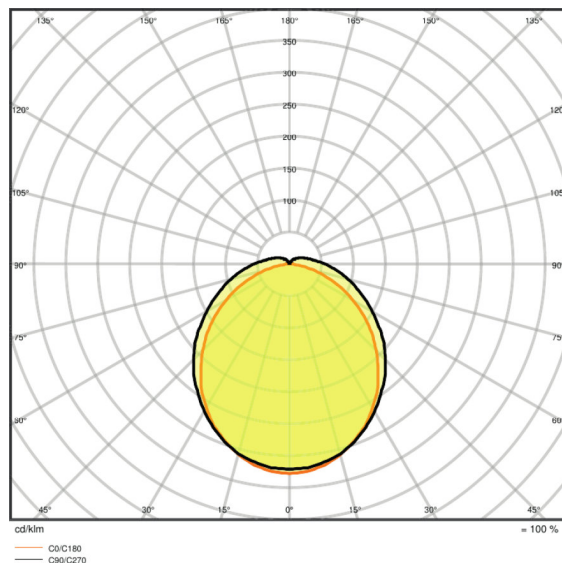
## Certificates &amp; standards

<b>Protection class IK (shock resistance)</b>	IK08
<b>Glow Wire Test according to IEC 60695-2-12</b>	650 °C
<b>Photobiological safety group EN62778</b>	RG1
<b>Photobio. safety group acc. to EN62471</b>	RG0
<b>Protection class</b>	I
<b>Type of protection</b>	IP44
<b>Standards</b>	CE/CB/ENEC/TÜV SÜD/EAC

## Logistical data

<b>Temperature range at storage</b>	5...+35 °C
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Light Distribution



LDC typ cone

LDC typ polar

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
4058075402973	Folding carton box 1	1207 mm x 150 mm x 77 mm	2621.00 g	13.94 dm <sup>3</sup>
4058075402980	Shipping carton box 4	1228 mm x 319 mm x 183 mm	11774.00 g	71.69 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.

REFERENCES / LINKS

For Guarantee see

- ▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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