

PRODUCT DATASHEET

LN SF IP44 EM 1500 43 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 | 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 | $\leq 20\%$ |
| 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 μ s |

Luminaire control gear data

| | |
|----------------|---------|
| Low flicker | Yes |
| Output current | 1050 mA |

Photometrical data

| | |
|--------------------------------------------|--------------|
| Color temperature | 4000 K |
| Luminous flux | 5000 lm |
| Luminous efficacy | 110 lm/W |
| Standard deviation of color matching | ≤ 4 sdc |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥ 80 |
| Luminous flux in emergency operation mode | 375 lm |
| Luminous flux in maintained operation mode | 5000 lm |

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

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|--------------------------|-------------------|
| Mounting type | SURFACE/SUSPENDED |
| Mounting location | Ceiling |
| Low flicker | Yes |
| Type of Battery | LiFePO4 |

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| Product remark | Available from June 2020 |
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Capabilities

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

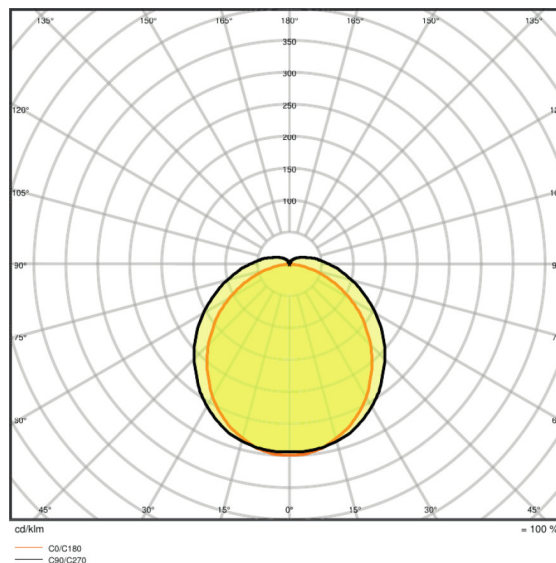
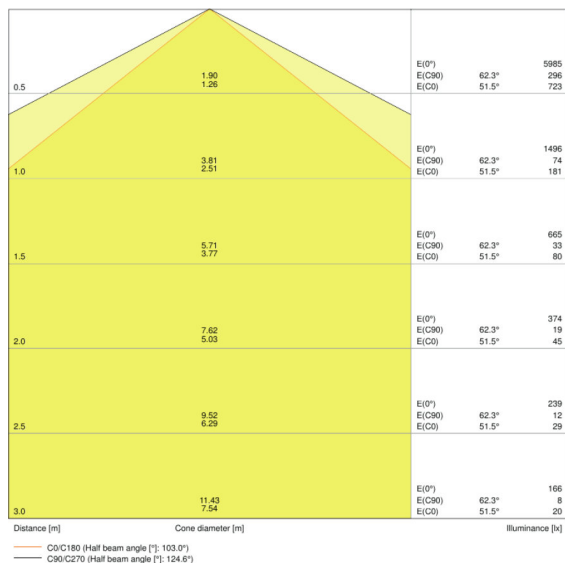
Certificates & standards

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

Logistical data

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|-------------------------------------|------------|
| Temperature range at storage | 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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075403017 | Folding carton box 1 | 1507 mm x 150 mm x 77 mm | 3024.00 g | 17.41 dm ³ |
| 4058075403024 | 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

DISCLAIMER

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