

PRODUCT DATASHEET

LN SF IP44 1200 36 W 3000 K WT

LINEAR SURFACE IP44 | Robust IP44 luminaires with direct light emission and integrated driver for surface or suspended applications, up to 115 lm/W



Areas of application

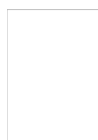
- Efficient replacement for traditional T8 and T5 luminaires
- Public buildings
- General illumination
- Libraries, schools

Product benefits

- 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
- 5 years guarantee

Product features

- 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
- Through-wiring possible
- Suspended installation possible
- Lifetime (L70/B50): 50,000 h (at 25 °C)
- White painted steel housing (like RAL: 9010)
- Diffusor material: UV-stable polycarbonate
- End caps (made of polycarbonate) screwed to the housing



TECHNICAL DATA

Electrical data

| | |
|---|-----------------------|
| Nominal wattage | 36.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 180 mA |
| Inrush current | 15.6 A |
| Inrush current time T _{h50} | 265 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 18 |
| Max. number of luminaires per miniature circuit breaker C10 | 18 |
| Max. number of luminaires per miniature circuit breaker C16 | 25 |
| Power factor λ | ≥0.90 |
| Total harmonic distortion | ≤ 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

Photometrical data

| | |
|--|---------------------|
| Luminous flux | 4000 lm |
| Luminous efficacy | 110 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | ≤4 sdc _m |
| Low flicker | Yes |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 120 ° |

LN SF 1200 36W 3000K

Dimensions & Weight

| | |
|--------|------------|
| Length | 1199.00 mm |
|--------|------------|

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| | |
|----------------|-----------|
| Width | 145.00 mm |
| Height | 64.50 mm |
| Product weight | 2300.00 g |

LN SF 1200 36W

Materials & Colors

| | |
|--|--------------------|
| Product color | White |
| Housing color | White |
| Body material | Stainless steel |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|-------------------|
| Ambient temperature range | -20...+40 °C |
| Type of connection | Push fit terminal |
| Type of protection | IP44 |
| Protection class IK (shock resistance) | IK08 |
| Dimmable | No |
| Mounting type | Surface/Suspended |
| Mounting location | Ceiling |
| Application environment | Indoor |
| With light source | Yes |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 60000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 40000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 40000 h |
| Lifespan L90/B10 at 25 °C | 25000 h |
| Number of switching cycles | 25000 |

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

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Control gear

| | |
|----------------|---------|
| Output current | 1050 mA |
|----------------|---------|

Certificates & Standards

| | |
|--|--------------------------------|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| Replaceable light source (EPREL) | Not replaceable |



Additional product data





| | |
|-----------------------|----|
| Number of illuminants | - |
| BEG subsidy | No |

EQUIPMENT / ACCESSORIES

– Accessories for suspension available

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|-------------------|
|  | User instruction / safety instructions | UI_Linear Surface |
|  | Declarations of conformity | LN SF |

| Photometric and lighting design files | | Document name |
|--|-------------------------------------|----------------------|
|  | IES file (IES) | LN SF 1200 36W 3000K |
|  | LDT file (Eulumdat) | LN SF 1200 36W 3000K |
|  | UGR file (UGR table) | LN SF 1200 36W 3000K |
|  | Light distribution curve type polar | LN SF 1200 36W 3000K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075352872 | Folding box 1 | 1,207 mm x 150 mm x 77 mm | 2380.00 g | 13.94 dm ³ |
| 4058075352889 | Shipping box 4 | 1,228 mm x 319 mm x 183 mm | 10410.00 g | 71.69 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.

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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.

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