

PRODUCT DATASHEET

LN INDV D/I 1200 42 W 4000 K EM

LINEAR IndiviLED® DIRECT/INDIRECT EMERGENCY GEN 1 | Pendant luminaire for single luminaire or light line application with emergency lighting



PERFORMANCE
CLASS

Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, schools
- General indoor illumination
- Corridors, entrance areas
- Seamless linear lighting
- Shop lighting

Product benefits

- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Emergency lighting according to IEC 60598-2-22 with emergency lighting driver and battery
- Low flicker light thanks to special electronic control gear
- Increased light comfort thanks to direct and indirect light emission
- Energy savings of up to 50 % compared to T5 batten luminaires
- Robust structure with IK06

Product features

- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- Conversion kit for emergency lighting according to IEC 60598-2-22 (driver and battery for 3 h emergency lighting operation) included



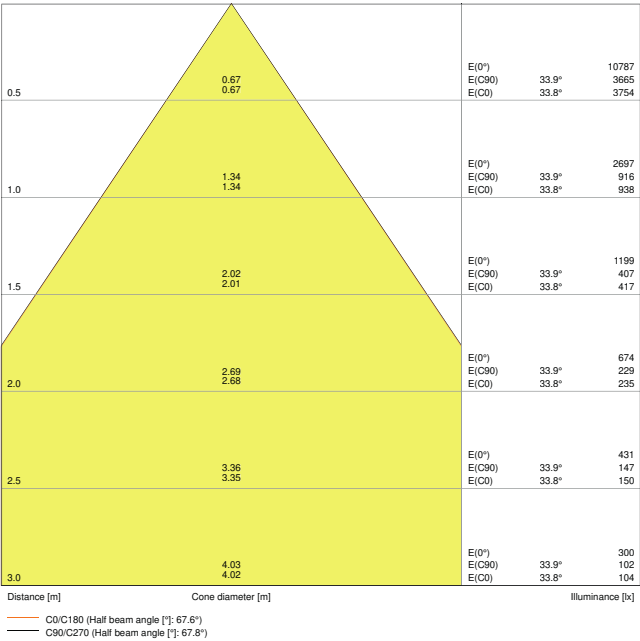
- Easy maintenance due to automatic self test function for emergency lighting according to IEC 60598-2-22
- Pendant mounting with suspension kit
- Linkable into seamless light line with line connection adapter (surface or pendant mounting)
- Available with length of 1200 or 1500 mm
- Luminous flux up to 6550 lm
- Luminous efficacy: up to 120 lm/W
- Initial color consistency: 3 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Lifetime (L70/B50): 60,000 h (at 25 °C)

TECHNICAL DATA**Electrical data**

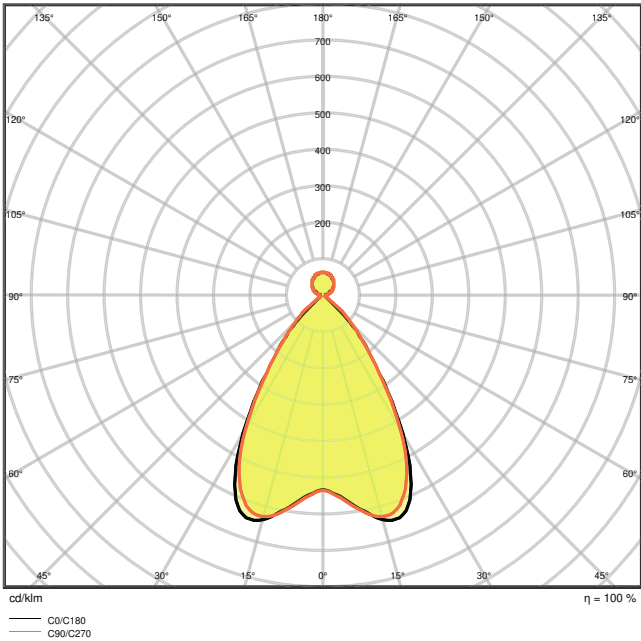
| | |
|---|-----------------------|
| Nominal wattage | 42.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 230 mA |
| Inrush current | 30 A |
| Inrush current time T_{h50} | 100 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 51 |
| Max. number of luminaires per miniature circuit breaker C10 | 32 |
| Max. number of luminaires per miniature circuit breaker C16 | 51 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | < 18 % |
| Protection class | I |
| Operating mode | Integrated LED driver |

Photometrical data

| | |
|--|------------|
| Luminous flux | 5050 lm |
| Luminous efficacy | 120 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥ 80 |
| Standard deviation of color matching | 3 sdcn |
| Low flicker | Yes |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 70 ° |
| UGR | < 16 |



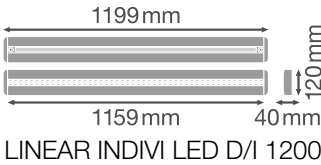
LN INDV DI 1200 42W 4000K EM



LN INDV DI 1200 42W 4000K EM

Dimensions & Weight

| | |
|----------------|------------|
| Length | 1199.00 mm |
| Width | 120.00 mm |
| Height | 40.00 mm |
| Product weight | 3000.00 g |



Materials & Colors

| | |
|----------------|----------|
| Product color | White |
| Housing color | White |
| Body material | Aluminum |
| Cover material | Aluminum |

| | |
|--|--------------------|
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|---|
| Ambient temperature range | 5...+35 °C |
| Temperature range at storage | 5...+35 °C |
| Type of connection | Screw terminal, 2-POLE (N, L. L switchable) |
| Type of protection | IP20 |
| Protection class IK (shock resistance) | IK06 |
| Dimmable | No |
| Mounting type | Suspended |
| Mounting location | Ceiling |
| Application environment | Indoor |
| With light source | Yes |
| Replaceable light source | No |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 60000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 50000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 50000 h |
| Lifespan L90/B10 at 25 °C | 35000 h |
| Number of switching cycles | 100000 |

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

BATTERY

| | |
|-----------------------------|----------|
| Type of Battery | LiFePO4 |
| Battery size [GMS] | Others |
| Nominal voltage of battery | 3.2 V |
| Nominal capacity of battery | 4500 mAh |
| Battery charging time | < 24 h |

Emergency lighting

| | |
|-----------------------------------|---|
| Area of emergency application | Anti-panic lighting / Escape route lighting |
| Type of emergency light operation | Maintained / Non-maintained |
| Type of emergency operation test | Automatic |

| | |
|--|---------|
| Wattage in maintained operation mode | 42 W |
| Wattage in emergency operation mode | 3,0 W |
| Luminous flux in maintained operation mode | 5050 lm |
| Luminous flux in emergency operation mode | 410 lm |
| Battery life in emergency operation mode | 3 h |
| Integrated test switch | No |







Certificates & Standards









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

Safety advice

- All electrical connections must be made by a qualified person.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by a qualified person in order to avoid a hazard.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|------------------------------------|
|  | User instruction / safety instructions | UI_Linear IndiviLED Emergency |
|  | On-Pack-Info | Legal Insert Linear LED INDV D/I |
|  | Legal information | LSI LINEAR IndiviLED EMERGENCY |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity | LN INDV EM |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | LN INDV DI 1200 42W 4000K EM |

| Photometric and lighting design files | | Document name |
|--|-------------------------------------|--|
|  | LDT file (Eulumdat) | LN INDV DI 1200 42W 4000K EM |
|  | ULD file (DIALux) | LN INDV D-I 1200 42W-4000K |
|  | ROLF file (RELUX) | LN INDV D-I 1200 |
|  | UGR file (UGR table) | LN INDV DI 1200 42W 4000K EM |
|  | Light distribution curve type cone | LN INDV DI 1200 42W 4000K EM |
|  | Light distribution curve type polar | LN INDV DI 1200 42W 4000K EM |
| CAD/BIM files | | Document name |
|  | CAD STEP 3D | LN INDV D I 1200 |
| Tender texts | | Document name |
|  | Tender documents | LINEAR IndiviLED DIRECTINDIRECT EMERGENCY 1200 42 W 4000 K EM-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075109865 | Folding box 1 | 132 mm x 1,334 mm x 52 mm | 3193.00 g | 9.16 dm³ |
| 4058075109872 | Shipping box 4 | 1,357 mm x 207 mm x 169 mm | 13302.00 g | 47.47 dm³ |

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.