

# PRODUCT DATASHEET

## LN INDV D 1500 48 W 3000 K TH

LINEAR IndiviLED® DIRECT THROUGH-WIRED | Surface mounted luminaire for single luminaire or light line application for through wiring



### 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
- Convenient installation of light lines due to pre-assembled through wiring kit
- Multiple mounting options
- Low flicker light thanks to special electronic control gear
- Energy savings of up to 50 % compared to T5 batten luminaires
- Robust structure with IK06
- 5 years guarantee

### Product features

- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution



- Pre-assembled through wiring kit
- Pendant mounting with suspension kit
- Linkable to an esthetic seamless light line with line connection adapter (surface or pendant mounting)
- Available with length of 1200 or 1500 mm
- Luminous flux up to 5700 lm
- Luminous efficacy: up to 125 lm/W
- Initial color consistency: < 4 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C

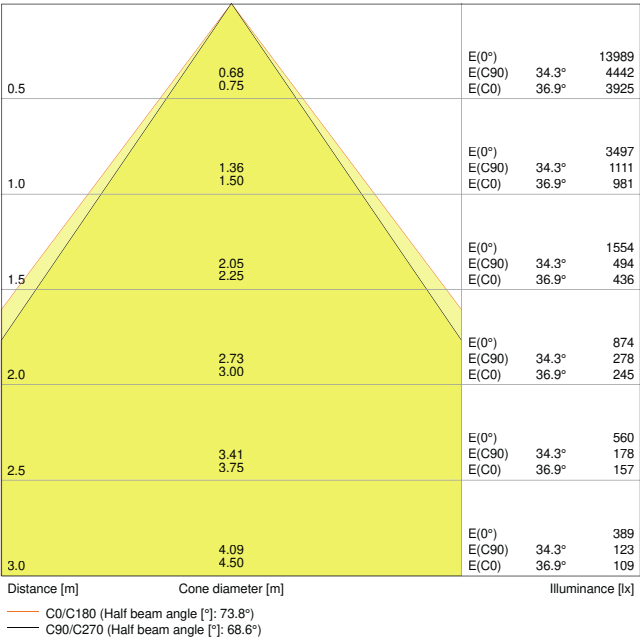
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**TECHNICAL DATA****Electrical data**

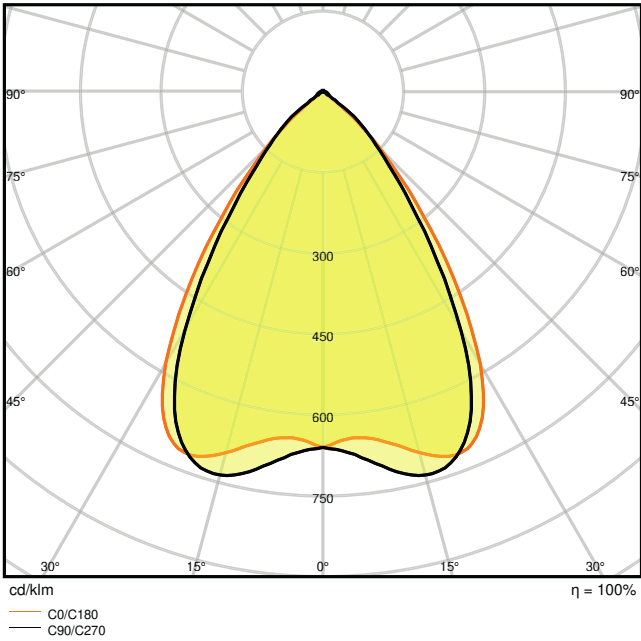
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 48.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 280 mA                |
| Inrush current                                              | 10 A                  |
| Inrush current time $T_{h50}$                               | 200 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 33                    |
| Max. number of luminaires per miniature circuit breaker C10 | 26                    |
| Max. number of luminaires per miniature circuit breaker C16 | 45                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | $\leq$ 18 %           |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 5300 lm    |
| Luminous efficacy                            | 110 lm/W   |
| Color temperature                            | 3000 K     |
| Light color (designation)                    | Warm White |
| Color rendering index Ra                     | $\geq$ 80  |
| Standard deviation of color matching         | 3 sdcm     |
| Low flicker                                  | Yes        |
| Photobiological safety group acc. to EN62778 | RG1        |
| Photobiological safety group acc. to EN62471 | RG0        |
| Beam angle                                   | 70 °       |
| UGR                                          | < 16       |



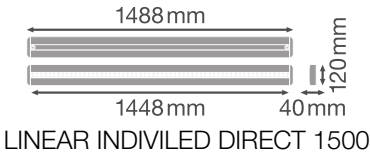
LN INDV D 1500 48W 3000K TH



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1488.00 mm |
| Width          | 120.00 mm  |
| Height         | 40.00 mm   |
| Product weight | 3330.00 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 | 650 °C |
| Mercury content                            | 0.0 mg |

### Application & Mounting

|                                        |                    |
|----------------------------------------|--------------------|
| Ambient temperature range              | -20...+45 °C       |
| Type of connection                     | Screwless terminal |
| Type of protection                     | IP20               |
| Protection class IK (shock resistance) | IK06               |
| Dimmable                               | No                 |
| Mounting type                          | Suspended/Surface  |
| Mounting location                      | Ceiling            |
| Application environment                | Indoor             |
| Replaceable light source               | No                 |

### Lifespan

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

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

### Certificates & Standards

|                                  |                                |
|----------------------------------|--------------------------------|
| Standards                        | CE / CB / TÜV SÜD / EAC / RoHS |
| Ball shot safe                   | No                             |
| Replaceable light source (EPREL) | Not replaceable                |

### EQUIPMENT / ACCESSORIES

- Ceiling connection box available
- Suspension kit available
- Line connection adapter available
- Through-wiring cable kit available

### DOWNLOAD DATA

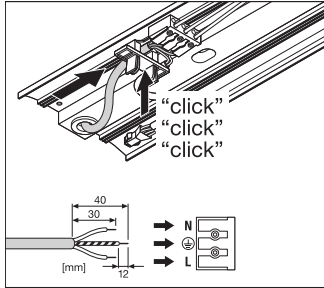
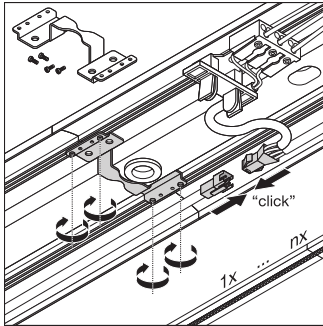
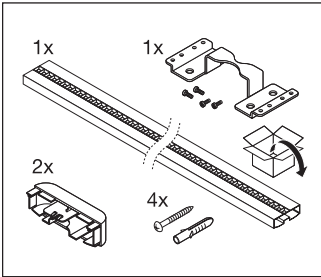
| Documents and certificates                                                          |                                        | Document name                                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------|
|    | User instruction / safety instructions | User Instruction Linear IndiviLED TH                                 |
|    | On-Pack-Info                           | Legal Insert Linear                                                  |
|    | Declarations of conformity             | EU Declaration of Conformity Linear IndiviLED trough wiring LEDVANCE |
| Photometric and lighting design files                                               |                                        | Document name                                                        |
|    | IES file (IES)                         | LN INDV D 1500 48W 3000K TH                                          |
|    | LDT file (Eulumdat)                    | LN INDV D 1500 48W 3000K TH                                          |
|    | ULD file (DIALux)                      | LINEARIndiviLEDDIRECTTHROUGH-WIRED150048W3000KTH                     |
|    | UGR file (UGR table)                   | LN INDV D 1500 48W 3000K TH                                          |
|    | Light distribution curve type cone     | LN INDV D 1500 48W 3000K TH                                          |
|  | Light distribution curve type polar    | LN INDV D 1500 48W 3000K TH                                          |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075109162 | Folding box<br>1             | 132 mm x 1,624 mm x 52 mm            | 3672.00 g    | 11.15 dm³ |
| 4058075109179 | Shipping box<br>4            | 1,641 mm x 207 mm x 169 mm           | 15818.00 g   | 57.41 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.

ADDITIONAL CATALOG INFORMATION



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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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## DISCLAIMER

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