

# PRODUCT DATASHEET

## LN INDV D 1500 48 W 3000 K DALI

LINEAR IndiviLED® DIRECT DALI GEN 1 | Surface mounted luminaire for single luminaire or light line application with DALI-2 IoT technology



### Areas of application

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

PERFOR-  
MANCE  
CLASS

### Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Multiple mounting options
- The product family offers full lighting solution for different applications
- Energy savings of up to 50 % compared to T5 batten luminaires
- Further variants additionally available with DALI ECG, emergency lighting function according to IEC 60598-2-22 or through wiring
- Robust structure with IK06
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features



- IoT-ready luminaire with DALI-2 technology
- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- 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 5700 lm
- Luminous efficacy: up to 125 lm/W
- Initial color consistency: 3 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Versions available with CRI 90
- Lifetime (L70/B50): 60,000 h (at 25 °C)

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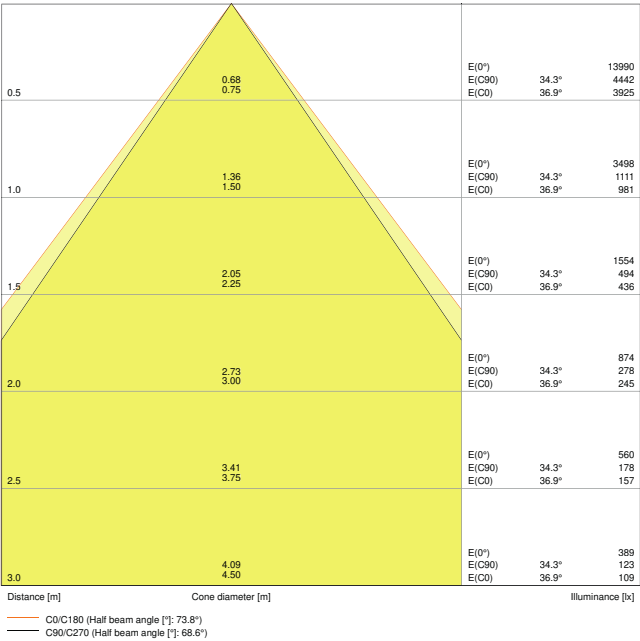
## TECHNICAL DATA

### Electrical data

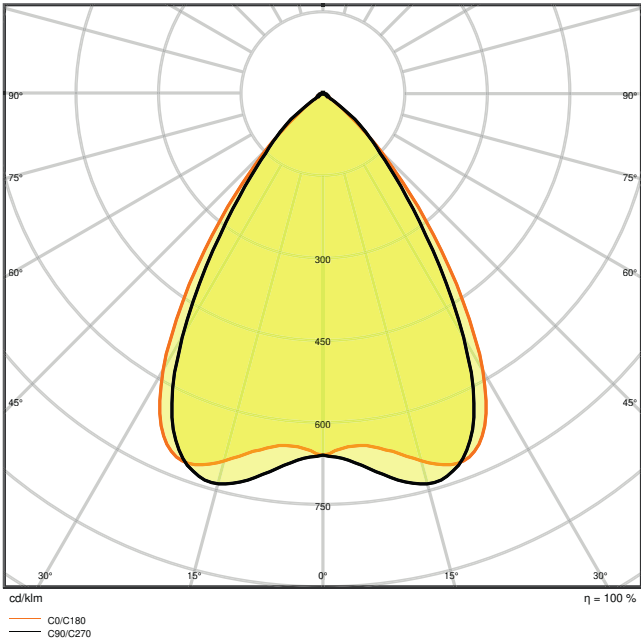
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 48.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 280.000 mA            |
| Inrush current                                              | 21 A                  |
| Inrush current time $T_{h50}$                               | 230 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 20                    |
| Max. number of luminaires per miniature circuit breaker C10 | 7                     |
| Max. number of luminaires per miniature circuit breaker C16 | 12                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 15 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |
| Dimming interface                                           | DALI-2/IoT            |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 5300 lm    |
| Luminous efficacy                            | 110 lm/W   |
| Color temperature                            | 3000 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        |
| Beam angle                                   | 70 °       |
| UGR                                          | < 16       |



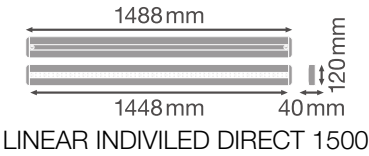
LN INDV D 1500 48W3000K DALI



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1488.00 mm |
| Width          | 120.00 mm  |
| Height         | 40.00 mm   |
| Product weight | 3200.00 g  |



Materials & Colors

|                          |          |
|--------------------------|----------|
| Product color            | White    |
| Housing color            | White    |
| RAL Color (most similar) | RAL 9003 |
| 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              | -25...+50 °C               |
| Type of connection                     | Screwless terminal, 5-Pole |
| Type of protection                     | IP20                       |
| Protection class IK (shock resistance) | IK06                       |
| Dimmable                               | Yes                        |
| Type of dimming                        | DALI                       |
| Mounting type                          | Suspended/Surface          |
| Mounting location                      | Ceiling                    |
| Application environment                | Indoor                     |
| With light source                      | Yes                        |
| 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 / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No                             |
| 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 | LINEAR IndiviLED DALI                                 |
|    | Legal information                      | LS Insert LN INDV DALI                                |
|    | Legal information                      | Legal Insert LN INDV D DALI                           |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG                    |
|    | Declarations of conformity             | LN INDV D DALI                                        |
|    | EU Data Act                            | DALI LED Driver and Luminaires                        |
| Photometric and lighting design files                                              |                                        | Document name                                         |
|    | IES file (IES)                         | LN INDV D 1500 48W3000K DALI                          |
|  | LDT file (Eulumdat)                    | LN INDV D 1500 48W3000K DALI                          |
|  | ULD file (DIALux)                      | LN INDV D 1500 48W-3000K DALI                         |
|  | ROLF file (RELUX)                      | LN INDV D 1500 48W-3000K                              |
|  | UGR file (UGR table)                   | LN INDV D 1500 48W3000K DALI                          |
|  | Light distribution curve type cone     | LN INDV D 1500 48W3000K DALI                          |
|  | Light distribution curve type polar    | LN INDV D 1500 48W3000K DALI                          |
| CAD/BIM files                                                                      |                                        | Document name                                         |
|  | BIM Revit 3D                           | Linear IndiviLED G1                                   |
|  | CAD STEP 3D                            | LN INDV 1500                                          |
| Tender texts                                                                       |                                        | Document name                                         |
|  | Tender documents                       | LINEAR IndiviLED DIRECT DALI 1500 48 W 3000 K DALI-EN |

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## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075503984 | Folding box<br>1             | 132 mm x 1,624 mm x 52 mm            | 3542.00 g    | 11.15 dm <sup>3</sup> |
| 4058075503991 | Shipping box<br>4            | 1,641 mm x 207 mm x 169 mm           | 15298.00 g   | 57.41 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.

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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.