# PRODUCT DATASHEET
# LN INDV D/I 1500 56 W 4000 K DALI

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

GERMAN DESIGN AWARD NOMINEE 2019



PERFOR-MANCE 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
- Increased light comfort thanks to direct and indirect light emission
- The product family offers full lighting solution for different applications
- Energy savings of up to 50 % compared to T5 batten luminaires
- Robust structure with IK06
- Versions with DALI ECG available
- 5 years guarantee

## Product features

- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- Indirect lighting with 850 lm
- 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


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- 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)


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# TECHNICAL DATA

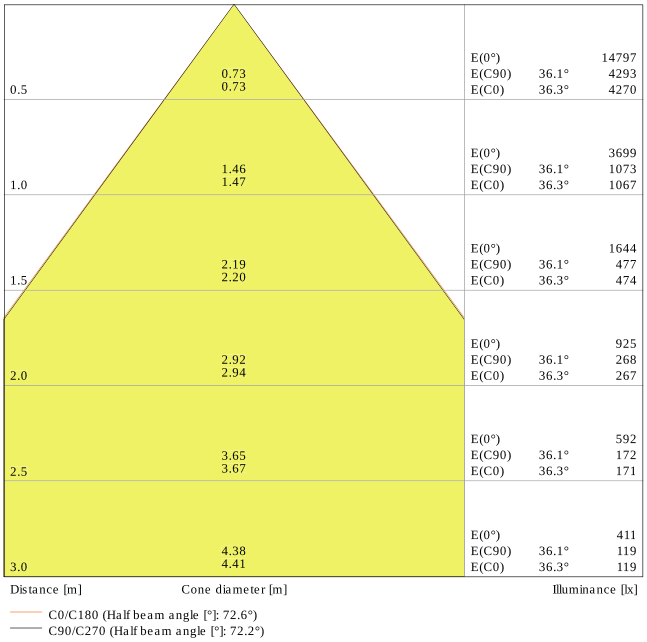
## Electrical data

| | |
|---|---|
| Nominal wattage | 56.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 320 mA |
| Inrush current | 35.0 A |
| Inrush current time $T_{h50}$ | 400 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 5 |
| Max. number of luminaires per miniature circuit breaker C10 | 5 |
| Max. number of luminaires per miniature circuit breaker C16 | 8 |
| Power factor λ | > 0.90 |
| Maximum total harmonic distortion | ≤ 18 % |
| Protection class | I |
| Operating mode | Integrated LED driver |
| Dimming interface | DALI / Push-DIM |

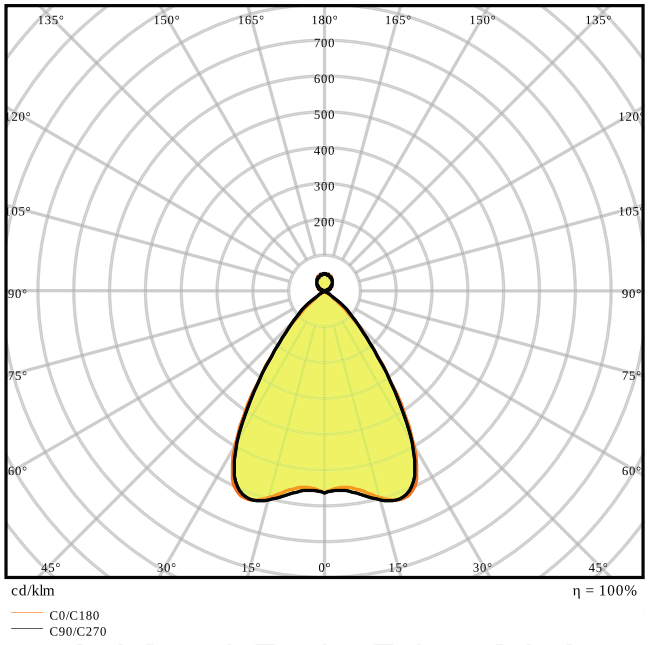
## Photometrical data

| | |
|---|---|
| Luminous flux | 6550 lm |
| Luminous efficacy | 115 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | 3 sdcm |
| 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 |


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LN INDV DI DALI 1500 56W 4000K




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## Dimensions & Weight

| | |
|---|---|
| Length | 1488.00 mm |
| Width | 120.00 mm |
| Height | 40.00 mm |
| Product weight | 3600.00 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 | -20…+45 °C |
| Type of connection | Screwless terminal, 5-Pole |


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| | |
|---|---|
| Type of protection | IP20 |
| Protection class IK (shock resistance) | IK06 |
| Dimmable | Yes |
| Type of dimming | DALI |
| 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 [1)] |
| 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)

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |

## Components for light control

| Components Light Control |
|---|

| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT GROUP DALI-2 TW | 4099854748691 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 | 4058075837485 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 TW | 4058075837508 |


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| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW | 4058075837522 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 TW | 4058075837560 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 | 4058075837546 |
|  | PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075837584 |
|  | PUSH CONTROL UNIT FM DALI-2 DIM | 4099854846922 |
|  | SURFACE MOUNT FRAME | 4058075843561 |
|  | PUSHBUTTON COUPLER DALI-2 | 4058075837607 |
|  | FLEX CONTROL UNIT IOT DALI-2 HCL TW | 4058075841888 |
|  | FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075841901 |
|  | FLEX CONTROL UNIT DALI-2 TW | 4058075843844 |
|  | FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW | 4058075841925 |


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| Product image | Product name | EAN |
|---|---|---|
|  | SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION | 4058075837621 |
|  | SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6 | 4099854748714 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION | 4058075841949 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION | 4058075843868 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING | 4058075843882 |
|  | HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING | 4058075857537 |
|  | DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM | 4058075843905 |
|  | RELAY DALI-2 RAIL MOUNTING | 4099854709159 |
|  | RELAY DALI-2 CEILING MOUNTING | 4099854709135 |
|  | REPEATER DALI-2 RAIL MOUNTING | 4099854709111 |
|  | REPEATER DALI-2 CEILING MOUNTING | 4099854709098 |


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## EQUIPMENT / ACCESSORIES

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

## 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 |
|---|---|---|
| PDF | User instruction / safety instructions | User Instruction Linear IndiviLED DALI |
| PDF | On-Pack-Info | Legal Insert Linear LED DALI INDV D/I |
| PDF | Legal information | LS Insert LN INDV DALI EM |
| PDF | Legal information | Legal Insert LN INDV D DALI |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Declarations of conformity | EU Declaration of Conformity Linear IndiviLED DALI LEDVANCE |
| PDF | EU Data Act | DALI LED Driver and Luminaires |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | LN INDV DI DALI 1500 56W 4000K |
| LDT | LDT file (Eulumdat) | LN INDV DI DALI 1500 56W 4000K |
| ULD | ULD file (DIALux) | LINEARIndiviLEDDIRECTINDIRECTDALI150056W4000K |
| ROLF | ROLF file (RELUX) | LN INDV D-I DALI 1500 |
| | UGR file (UGR table) | LN INDV DI DALI 1500 56W 4000K |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | Light distribution curve type cone | LN INDV DI DALI 1500 56W 4000K |
| | Light distribution curve type polar | LN INDV DI DALI 1500 56W 4000K |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | Linear IndiviLED G1 |
| | CAD STEP 3D | LN INDV D I 1500 |

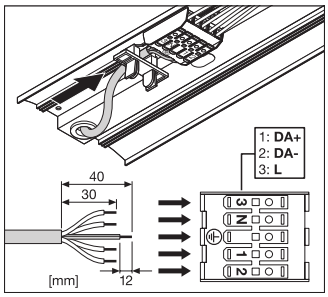
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | LINEAR IndiviLED DIRECTINDIRECT 1500 56 W 4000 K DALI-EN |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075109063 | Folding box<br>1 | 132 mm x 1,624 mm x 52 mm | 3742.00 g | 11.15 $dm^3$ |
| 4058075109070 | Shipping box<br>4 | 1,641 mm x 207 mm x 169 mm | 16098.00 g | 57.41 $dm^3$ |

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.

## ADDITIONAL CATALOG INFORMATION




## References / Links

– For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

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