

PRODUCT DATASHEET

LN INV DI 1200 P 54W 930 DAVR WT

LINEAR INDIVILED DIRECT/INDIRECT 1200 DALI | Pendant luminaire for single or light line office application with CRI90 and DALI-2 IoT technology, 1200 mm



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, education, public buildings
- Single and continuous line configuration
- Direct and indirect lighting

Product benefits

- Easy upgradeability of light source and driver (EVERLOOP design)
- Homogenous light distribution and reduced glare ($UGR \leq 19$) thanks to IndiviLED® optics
- Pendant luminaires with direct light emission (70%) and indirect light emission (30%)
- High performance with CRI90 and up to 137 lm/W
- IoT-ready luminaire with DALI-2 driver, suitable for VIVARES and other Light Management Systems
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- High color consistency with SDCM 3
- Easy installation
- Low flicker light thanks to special electronic control gear
- Suitable for battery emergency installations acc. to EN 60598-2-22
- Multiple mounting options thanks to different accessories

Product features

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing, available in white and black color



- Includes EVERLOOP: Convenient replacement of light source and LED driver
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separately)
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm²
- Lifetime (L80/B10): 70,000 h (at 25 °C)

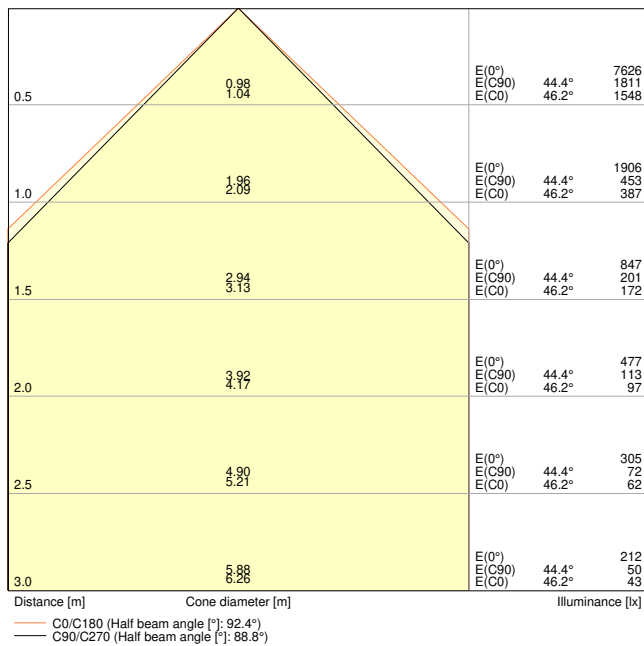
TECHNICAL DATA

Electrical data

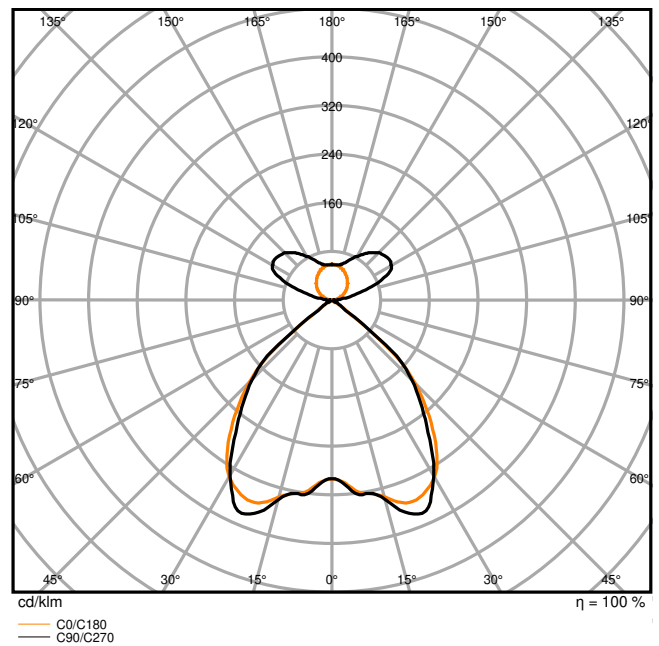
| | |
|---|---------------------------|
| Nominal wattage | 54 W / 48 W / 43 W / 34 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 233...205...195...160 mA |
| Inrush current | 25.2 A |
| Inrush current time T_{h50} | 40 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 29 |
| Max. number of luminaires per miniature circuit breaker C10 | 23 |
| Max. number of luminaires per miniature circuit breaker C16 | 38 |
| Power factor λ | ≥ 0.90 |
| Total harmonic distortion | ≤ 20 % |
| Protection class | I |
| Operating mode | Integrated LED driver |
| Dimming interface | DALI-2 / IoT |

Photometrical data

| | |
|--|---------------------------------------|
| Luminous flux | 6500 lm / 5750 lm / 5200 lm / 4350 lm |
| Luminous efficacy | 120 lm/W / 121 lm/W / 128 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 90 |
| Standard deviation of color matching | 3 sdc _m |
| Low flicker | Yes |
| Flickering metric (Pst LM) | ≤ 1 |
| Stroboscope effect metric (SVM) | ≤ 0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 90 ° + 130 ° |
| UGR | < 19 |



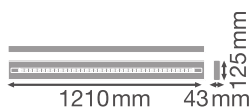
LN INV DI 1200 P 54W 930 DAVR WT 1100mA



LN INV DI 1200 P 54W 930 DAVR WT 1100mA

Dimensions & Weight

| | |
|----------------|------------|
| Length | 1210.00 mm |
| Width | 125.00 mm |
| Height | 43.00 mm |
| Product weight | 3540.00 g |



LN INV 1200 P

Materials & Colors

| | |
|--|-------------------------------|
| Product color | White |
| Housing color | White |
| Body material | Aluminum |
| Cover material | Polymethylmethacrylate (PMMA) |
| Light emitting surface material | Polymethylmethacrylate (PMMA) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|---|
| Ambient temperature range | -20...+50 °C |
| Temperature range at storage | -20...+80 °C |
| Type of connection | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) |
| Type of protection | IP20 |
| Protection class IK (shock resistance) | IK06 |
| Dimmable | Yes |
| Type of dimming | DALI2 |
| Mounting type | Suspended |
| Mounting location | Ceiling |
| Application environment | Indoor |
| Adjustable | No |
| With light source | Yes |

Lifespan

| | |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C | 100000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 70000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 70000 h |
| Lifespan L90/B10 at 25 °C | 35000 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)

Control gear

| | |
|-----------------------------|--|
| Output current | 1400 mA |
| ECG - Output ripple current | ≤ 3 % |
| Recommended control gear | OSRAM type OTI DALI 50/220-240/1A4 NFC L |


Certificates & Standards

| | |
|--|---|
| Standards | CE / CB / ENEC / TÜV SÜD / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00026-V01.01-EN |
| Replaceable light source (EPREL) | By the end consumer |





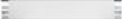
Additional product data



| | |
|-----------------------|---|
| Number of illuminants | 2 |
| Added function | EVERLOOP / VIVARES / Programmable Multi Lumen |

Accessories Mandatory

| Product image | Product name | EAN |
|---|--------------------------|---------------|
|  | LN INV SUSPENSION KIT WT | 4099854215537 |

Accessories Optional










| Product image | Product name | EAN |
|---|-------------------------------|---------------|
|  | LN INV CORNER CONNECTOR WT | 4099854214905 |
|  | LN INV SUSPENSION WIRE | 4099854215551 |
|  | LN INV 1200 THROUGHWIRING KIT | 4099854214820 |
|  | LN INV INFILL 1500 WT | 4099854214844 |
|  | LN INV INFILL 600 WT | 4099854214882 |









| Product image | Product name | EAN |
|--|-------------------------|---------------|
|  | LN INV INFILL 1200 WT | 4099854214868 |
|  | LN INV INLINE CONNECTOR | 4099854215612 |

EQUIPMENT / ACCESSORIES

- Suspension kit available for pendant luminaire version (to be ordered separately)
- Inline, corner and infill connectors available as separate accessory
- Through-wiring cable kit available

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|---|
|  | User instruction / safety instructions | LN INV D PS |
|  | Legal information | LN INV DALI |
|  | Legal information | LSI LN INV DAVR WT |
|  | Legal information | Legal Insert LN INV P DA |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity | LN INV |
|  | Declarations of conformity UKCA | LN INV |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | LN INV DI 1200 P 54W 930 DAVR WT 1100mA |
|  | LDT file (Eulumdat) | LN INV DI 1200 P 54W 930 DAVR WT 1100mA |

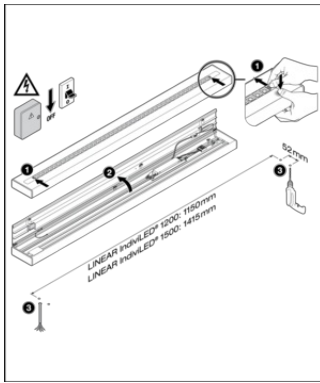
| Photometric and lighting design files | | Document name |
|---|-------------------------------------|---|
|  | ULD file (DIALux) | LN INV DI 1200 P 54W 930 DAVR WT |
|  | ROLF file (RELUX) | LN INV DI 1200 P 54W 930 DAVR WT |
|  | UGR file (UGR table) | LN INV DI 1200 P 54W 930 DAVR WT 1100mA |
|  | Light distribution curve type cone | LN INV DI 1200 P 54W 930 DAVR WT 1100mA |
|  | Light distribution curve type polar | LN INV DI 1200 P 54W 930 DAVR WT 1100mA |
| CAD/BIM files | | Document name |
|  | BIM Revit 3D | Linear Indiviled G2 |
|  | CAD STEP 3D | LN INV D I 1200 G2 |
| Tender texts | | Document name |
|  | Tender documents | LINEAR INDIVILED DIRECTINDIRECT 1200 DALI 1200 P 54W 930 DAVR WT-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854135552 | Folding box 1 | 178 mm x 1,263 mm x 103 mm | 4140.00 g | 23.16 dm ³ |
| 4099854135569 | Shipping box 2 | 1,277 mm x 187 mm x 189 mm | 9680.00 g | 45.13 dm ³ |

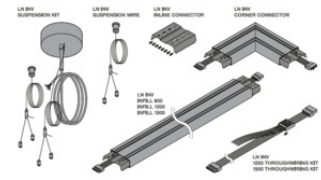
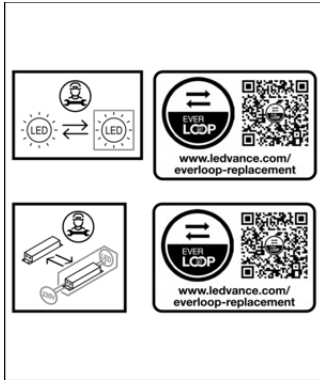
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



| LINEAR INHULED® DRIVING DALI WT | DRIVER | DIRECT | | INDIRECT | | Total | PC | DALI |
|----------------------------------|-------------|--------|-----|----------|-----|-------|-----|------|
| | | W | H | W | H | | | |
| LN INV DI 1200 P 54W 930 DAVR WT | OSRAM | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | ET-DALI 750 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | 1AA L72 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| LN INV DI 1200 P 89W 930 DAVR WT | OSRAM | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | ET-DALI 750 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | 1AA L72 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |

| LINEAR INHULED® DRIVING DALI WT | DRIVER | DIRECT | | INDIRECT | | Total | PC | DALI |
|----------------------------------|-------------|--------|-----|----------|-----|-------|-----|------|
| | | W | H | W | H | | | |
| LN INV DI 1200 P 54W 930 DAVR WT | OSRAM | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | ET-DALI 750 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | 1AA L72 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| LN INV DI 1200 P 89W 930 DAVR WT | OSRAM | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | ET-DALI 750 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |
| | 1AA L72 | 100 | 100 | 100 | 100 | 400 | 100 | 100 |



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.