

# PRODUCT DATASHEET

## LN INV DI 1500 P 69W 930 PS BK

LINEAR INDIVILED DIRECT/INDIRECT 1500 PS | Pendant luminaire for single or light line office application with CRI90 and power select (PS) feature, 1500 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 134 lm/W
- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- High color consistency with SDCM 3
- Easy installation
- Low flicker light thanks to special electronic control gear
- 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 mm<sup>2</sup>
- Lifetime (L80/B10): 70,000 h (at 25 °C)

## TECHNICAL DATA

### Electrical data

|                                                             |                           |
|-------------------------------------------------------------|---------------------------|
| Nominal wattage                                             | 69 W / 63 W / 61 W / 53 W |
| Nominal voltage                                             | 220...240 V               |
| Mains frequency                                             | 50...60 Hz                |
| Nominal current                                             | 315...285...270...242 mA  |
| Inrush current                                              | 16 A                      |
| Inrush current time $T_{h50}$                               | 176 $\mu$ s               |
| Max. number of luminaires per miniature circuit breaker B16 | 17                        |
| Max. number of luminaires per miniature circuit breaker C10 | 14                        |
| Max. number of luminaires per miniature circuit breaker C16 | 23                        |
| Power factor $\lambda$                                      | $\geq 0.90$               |
| Total harmonic distortion                                   | $\leq 20 \%$              |
| Protection class                                            | I                         |
| Operating mode                                              | Integrated LED driver     |

### Photometrical data

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Luminous flux                                | 6500 lm / 7450 lm / 7650 lm / 8200 lm     |
| Luminous efficacy                            | 123 lm/W / 122 lm/W / 121 lm/W / 119 lm/W |
| Color temperature                            | 3000 K                                    |
| Light color (designation)                    | Warm White                                |
| Color rendering index Ra                     | > 90                                      |
| Standard deviation of color matching         | 3 sdcm                                    |
| Low flicker                                  | Yes                                       |
| Flickering metric (Pst LM)                   | $\leq 1$                                  |
| Stroboscope effect metric (SVM)              | $\leq 0.4$                                |
| Photobiological safety group acc. to EN62778 | RG0                                       |
| Photobiological safety group acc. to EN62471 | RG0                                       |
| Beam angle                                   | 90 ° + 130 °                              |
| UGR                                          | < 19                                      |



|                |            |
|----------------|------------|
| Length         | 1475.00 mm |
| Width          | 125.00 mm  |
| Height         | 43.00 mm   |
| Product weight | 4300.00 g  |



## Materials & Colors

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Product color                              | Black                         |
| Housing color                              | Black                         |
| 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                               | No                                              |
| Mounting type                          | Suspended                                       |
| Mounting location                      | Ceiling                                         |
| Application environment                | Indoor                                          |
| Adjustable                             | No                                              |
| With light source                      | Yes                                             |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 70000 h <sup>1)</sup>  |
| Lifespan L80/B50 at 25 °C  | 70000 h                |
| Lifespan L90/B10 at 25 °C  | 35000 h                |
| Number of switching cycles | 25000                  |

<sup>1)</sup> 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              | 1050 mA                                                                 |
| ECG - Output ripple current | ≤ 5 %                                                                   |
| Recommended control gear    | OSRAM type OT FIT 55/220–240/1A0 CS L AP& IT FIT 18/220... 240/350 CS 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

|                |                         |
|----------------|-------------------------|
| Added function | EVERLOOP / MULTI SELECT |
|----------------|-------------------------|

## Accessories Mandatory

| Product image                                                                     | Product name             | EAN           |
|-----------------------------------------------------------------------------------|--------------------------|---------------|
|  | LN INV SUSPENSION KIT BK | 4099854297069 |

## Accessories Optional

| Product image                                                                       | Product name                  | EAN           |
|-------------------------------------------------------------------------------------|-------------------------------|---------------|
|   |                               | 4099854297083 |
|   | LN INV INFILL 600 BK          | 4099854297045 |
|   | LN INV INFILL 1200 BK         | 4099854297007 |
|   | LN INV INFILL 1500 BK         | 4099854297021 |
|  | LN INV SUSPENSION WIRE        | 4099854215551 |
|   | LN INV 1500 THROUGHWIRING KIT | 4099854214806 |

| Product image                                                                    | Product name            | EAN           |
|----------------------------------------------------------------------------------|-------------------------|---------------|
|  | 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                                |
|    | Legal information                      | Legal Insert LN INV P PS              |
|   | Legal information                      | LSI LN INDIVILED                      |
|  | Declarations of conformity             | LN INV                                |
|  | Declarations of conformity UKCA        | LN INV                                |
|  | Certificates                           | LN INV                                |
| Photometric and lighting design files                                              |                                        | Document name                         |
|  | IES file (IES)                         | LN INV DI 1500 P 69W 930 PS BK 1400mA |
|  | LDT file (Eulumdat)                    | LN INV DI 1500 P 69W 930 PS BK 1400mA |
|  | ULD file (DIALux)                      | LN INV DI 1500 P 69W 930 PS BK        |
|  | ROLF file (RELUX)                      | LN INV DI 1500 P 69W 930 PS BK        |
|  | UGR file (UGR table)                   | LN INV DI 1500 P 69W 930 PS BK 1400mA |
|  | Light distribution curve type cone     | LN INV DI 1500 P 69W 930 PS BK 1400mA |

| Photometric and lighting design files                                            |                                     | Document name                                               |
|----------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------|
|  | Light distribution curve type polar | LN INV DI 1500 P 69W 930 PS BK 1400mA                       |
| CAD/BIM files                                                                    |                                     | Document name                                               |
|  | BIM Revit 3D                        | Linear Indiviled G2                                         |
|  | CAD STEP 3D                         | LN INV D I 1500 G2.                                         |
| Tender texts                                                                     |                                     | Document name                                               |
|  | Tender documents                    | LINEAR INDIVILED DIRECT INDIRECT 1500 PS P 69W 930 PS BK-EN |

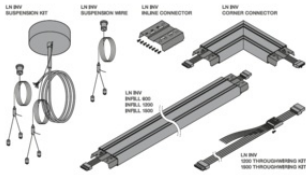
LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854296949 | Folding box<br>1             | 177 mm x 1,530 mm x 102 mm           | 5000.00 g    | 27.62 dm³ |
| 4099854296956 | Shipping box<br>2            | 1,550 mm x 197 mm x 224 mm           | 11600.00 g   | 68.40 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

| Product code  | Product name        | Product description | Product type | Product category | Product status | Product availability | Product warranty | Product support | Product contact  |
|---------------|---------------------|---------------------|--------------|------------------|----------------|----------------------|------------------|-----------------|------------------|
| 4099854296949 | Linear Indiviled G2 | Linear Indiviled G2 | Linear       | Indiviled        | G2             | Available            | 2 years          | 24/7            | www.ledvance.com |
| 4099854296956 | Linear Indiviled G2 | Linear Indiviled G2 | Linear       | Indiviled        | G2             | Available            | 2 years          | 24/7            | www.ledvance.com |



References / Links

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

DISCLAIMER

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