

# PRODUCT DATASHEET

## LN UO 1200 25 W 4000 K

LINEAR ULTRA OUTPUT GEN 1 | Surface luminaire with high luminous efficacy up to 125 lm/W

### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Industrial and commercial halls
- Public areas
- Corridors, stairwells, basements



PERFOR-  
MANCE  
CLASS

### Product benefits

- Replacement of conventional T8 luminaires with up to 7100 lm
- Energy savings up to 60 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- 5 years guarantee

### Product features

- Very high luminous efficacy: up to 125 lm/W
- Robust metal housing and PC diffuser
- Wiring at back side of luminaire
- Through wiring possible



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## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 25.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 115 mA                |
| Inrush current                                              | 20 A                  |
| Inrush current time $T_{h50}$                               | 100 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 41                    |
| Max. number of luminaires per miniature circuit breaker C10 | 33                    |
| Max. number of luminaires per miniature circuit breaker C16 | 53                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | $\leq$ 20 %           |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |                           |
|----------------------------------------------|---------------------------|
| Luminous flux                                | 2950 lm                   |
| Luminous efficacy                            | 120 lm/W                  |
| Color temperature                            | 4000 K                    |
| Light color (designation)                    | Cool White                |
| Color rendering index Ra                     | $\geq$ 80                 |
| Standard deviation of color matching         | $\leq$ 5 sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778 | RG0                       |
| Beam angle                                   | 110 °                     |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1168.00 mm |
| Width          | 62.00 mm   |
| Height         | 74.00 mm   |
| Product weight | 1260.00 g  |



Materials & Colors

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

Application & Mounting

|                                        |                    |
|----------------------------------------|--------------------|
| Ambient temperature range              | -10...+40 °C       |
| Type of connection                     | Screwless terminal |
| Type of protection                     | IP20               |
| Protection class IK (shock resistance) | IK08               |
| Dimmable                               | No                 |
| Mounting type                          | Surface            |
| Mounting location                      | Ceiling / Wall     |
| Application environment                | Indoor             |
| With light source                      | Yes                |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 40000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 40000 h               |
| Lifespan L90/B10 at 25 °C  | 30000 h               |
| Number of switching cycles | 50000                 |

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 / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No                             |
| Ball shot safe                                       | No                             |
| Replaceable light source (EPREL)                     | Not replaceable                |

## EQUIPMENT / ACCESSORIES

- Mounting screws and dowels included

## Safety advice

- All electrical connections must be made by a qualified person.
- 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                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | LINEAR ULTRA OUTPUT                |
|  | Legal information                      | LINEAR ULTRA OUTPUT 1200           |
|  | Legal information                      | LS Insert Linear Ultra Output      |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | LN UO                              |
|  | Declarations of conformity UKCA        | LN UO 1200                         |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | LINEAR UO 1200 25W 4000K IES       |
|  | LDT file (Eulumdat)                    | LINEAR UO 1200 25W 4000K LDT       |
|  | ULD file (DIALux)                      | LN UO 1200 25W-4000K               |

| Photometric and lighting design files                                            |                      | Document name                |
|----------------------------------------------------------------------------------|----------------------|------------------------------|
|  | ROLF file (RELUX)    | LN UO 1200 25W-4000K         |
|  | UGR file (UGR table) | LINEAR UO 1200 25W 4000K LDT |
| CAD/BIM files                                                                    |                      | Document name                |
|  | BIM Revit 3D         | Linear Ultra Output          |
|  | CAD STEP 3D          | LN UO 1200                   |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075479951 | Folding box<br>1             | 69 mm x 1,174 mm x 77 mm             | 1345.00 g    | 6.24 dm <sup>3</sup>  |
| 4058075479968 | Shipping box<br>6            | 1,184 mm x 225 mm x 170 mm           | 9320.00 g    | 45.29 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.

## References / Links

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

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