

# PRODUCT DATASHEET

## LN UO 1200 25 W 4000 K

LINEAR ULTRA OUTPUT | Surface luminaire with high luminous flux



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### Areas of application

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

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### 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
- Optional reflector accessory and multiple wiring possibilities for flexible applications
- 5 years guarantee

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### 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**

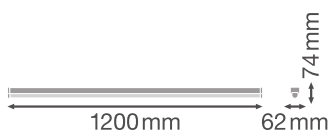
|                                          |                       |
|------------------------------------------|-----------------------|
| Nominal wattage                          | 25.00 W               |
| Nominal voltage                          | 220...240 V           |
| Mains frequency                          | 50...60 Hz            |
| Nominal current                          | 115 mA                |
| Inrush current                           | 20 A                  |
| Inrush current time $T_{H50}$            | 100 $\mu$ s           |
| Max. no. of lum. on circuit break. B16 A | 41                    |
| Max. no. of lum. on circuit break. C10 A | 33                    |
| Max. no. of lum. on circuit break. C16 A | 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             |
| LED module replaceable                 | Not replaceable    |
| With light source                      | Yes                |

## Lifespan

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

## Certificates & Standards

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

|                |    |
|----------------|----|
| Ball shot safe | No |
|----------------|----|

## Additional product data

|                |
|----------------|
| Product remark |
|----------------|

## EQUIPMENT / ACCESSORIES

- Reflector for high ceilings or asymmetric light emission available separately (1500 mm version)
- Mounting screws and dowels included

## DOWNLOAD DATA

| DOWNLOAD DATA                                                                      |                                                              |
|------------------------------------------------------------------------------------|--------------------------------------------------------------|
|    | User instruction<br>LINEAR ULTRA OUTPUT                      |
|    | Addon Technical Information<br>LS Insert Linear Ultra Output |
|    | Tender documents<br>Tender Text 4058075479951                |
|  | Declarations of conformity<br>LN UO                          |
|  | IES file (IES)<br>LINEAR UO 1200 25W 4000K IES               |
|  | LDT file (Eulumdat)<br>LINEAR UO 1200 25W 4000K LDT          |
|  | R3D file (Relux 3D Model)<br>LINEAR UO 1200                  |
|  | M3D file (3D Model)<br>Linear_Ultra_Output_1200              |
|  | UGR file (UGR table)<br>LINEAR UO 1200 25W 4000K LDT         |
|  | Packaging insert<br>LINEAR ULTRA OUTPUT 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> |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075479968 | Shipping box<br>6            | 1,184 mm x 225 mm x 170 mm           | 9450.00 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.

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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.