

# PRODUCT DATASHEET

## LN UO DA 1200 P 27W 83040 WT

LINEAR ULTRA OUTPUT DALI GEN 2 | DALI surface luminaire with high luminous efficacy up to 150 lm/W

### Areas of application

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



### Product benefits

- Highly versatile due to selectable CCT (Multi Color) in 3000K and 4000K
- DALI based light management system integrable into building management systems
- Integrated DALI-2 driver for extended functionalities
- SMD LEDs are moisture-proof and corrosion-proof thanks to tri-proof coating
- Energy savings up to 70 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- Easy installation and versatile application

### Product features

- DALI-2 certified
- DALI/Touch DIM® control signal
- Three-proof coating to improve the protection of the SMD LEDs



- Very high luminous efficacy: up to 150 lm/W
- Robust metal housing and PC diffuser
- Through wiring possible

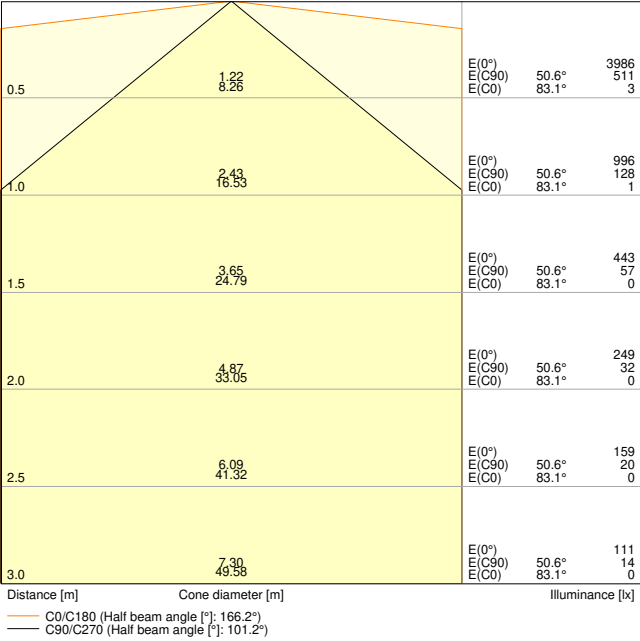
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**TECHNICAL DATA****Electrical data**

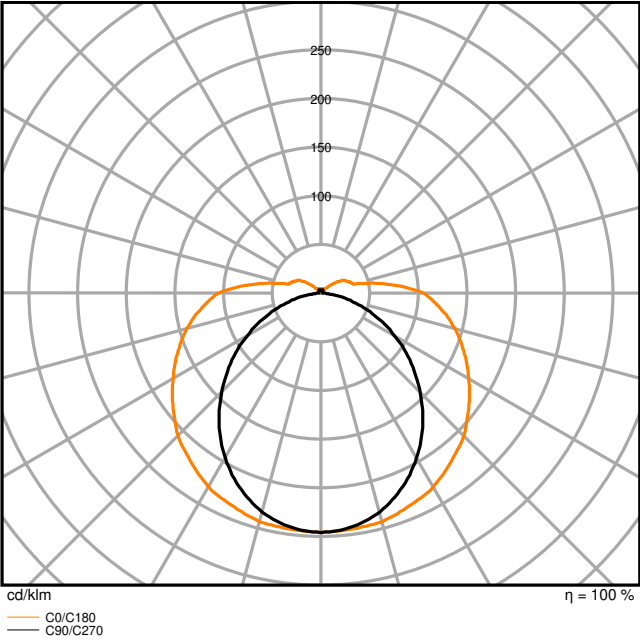
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 27.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 120 mA                |
| Inrush current                                              | 9 A                   |
| Inrush current time $T_{h50}$                               | 250 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 48                    |
| Max. number of luminaires per miniature circuit breaker C10 | 27                    |
| Max. number of luminaires per miniature circuit breaker C16 | 44                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 15 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |
| Dimming interface                                           | DALI-2                |

**Photometrical data**

|                                              |                         |
|----------------------------------------------|-------------------------|
| Luminous flux                                | 4050 lm / 3780 lm       |
| Luminous efficacy                            | 150 lm/W / 140 lm/W     |
| Color temperature                            | 3000 K / 4000 K         |
| Light color (designation)                    | Warm White / Cool White |
| Color rendering index Ra                     | > 80                    |
| Standard deviation of color matching         | < 3 sdcn                |
| Low flicker                                  | Yes                     |
| Flickering metric (Pst LM)                   | <1                      |
| Stroboscope effect metric (SVM)              | < 0.4                   |
| Photobiological safety group acc. to EN62778 | RG0                     |
| Beam angle                                   | 110 °                   |



LN UO DA 1200 P 27W CS WT



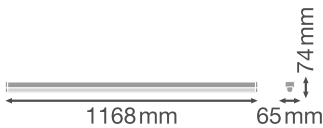
LN UO DA 1200 P 27W CS WT

Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|-----------------|-------------------|---------------|-------------------|
| 27 W            | 4000 K            | 4050 lm       | 150 lm/W          |
| 27 W            | 3000 K            | 3780 lm       | 140 lm/W          |

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1168.00 mm |
| Width          | 65.00 mm   |
| Height         | 74.00 mm   |
| Product weight | 1210.00 g  |



LN UO P 1200 27W CPS WT

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| RAL Color (most similar)                   | RAL 9003           |
| Body material                              | Steel              |
| Cover material                             | Polycarbonate (PC) |
| 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...+40 °C                                    |
| Temperature range at storage           | -40...+80 °C                                    |
| Type of connection                     | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) |
| Type of protection                     | IP20                                            |
| Protection class IK (shock resistance) | IK08                                            |
| Dimmable                               | Yes                                             |
| Type of dimming                        | DALI2                                           |
| Dimming range                          | 1...100 %                                       |
| Mounting type                          | Surface                                         |
| Mounting location                      | Ceiling / Wall                                  |
| Adjustable                             | No                                              |
| With light source                      | Yes                                             |
| Replaceable light source               | No                                              |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 88000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 70000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 70000 h               |
| Number of switching cycles | 100000                |

<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              | 248 mA      |
| ECG - Output ripple current | < 5 %       |
| Recommended control gear    | LF-FSD037YA |

### Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

### Certificates & Standards

|                                                      |                             |
|------------------------------------------------------|-----------------------------|
| Standards                                            | CE / CB / ENEC / UKCA / EAC |
| Luminaire with limited surface temperature, "D sign" | No                          |
| Ball shot safe                                       | No                          |
| EPD                                                  | LEDV-00055-V01.01-EN        |
| Replaceable light source (EPREL)                     | Not replaceable             |

### Additional product data

|                |                               |
|----------------|-------------------------------|
| Product remark | Available from September 2025 |
| Added function | MULTI SELECT                  |

### 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 DALI GEN2                               |
|   | Legal information                      | LISO Insert LINEAR ULTRA OUTPUT DALI                        |
|   | Legal information                      | Safety Insert G11205497                                     |
|   | Legal information                      | Informationstext 18 Abs 4 ElektroG                          |
|   | Legal information                      | Legal Insert G11231526                                      |
|   | Declarations of conformity             | LN UO DA                                                    |
|   | Declarations of conformity UKCA        | LN UO DA                                                    |
|   | EU Data Act                            | DALI LED Driver and Luminaires                              |
|  | EPD                                    | ENVIRONMENTAL PRODUCT DECLARATION LINEAR ULTRA OUTPUT GEN 2 |

| Photometric and lighting design files                                               |                                     | Document name             |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------|
|  | IES file (IES)                      | LN UO DA 1200 P 27W CS WT |
|  | LDT file (Eulumdat)                 | LN UO DA 1200 P 27W CS WT |
|  | UGR file (UGR table)                | LN UO DA 1200 P 27W CS WT |
|  | Light distribution curve type cone  | LN UO DA 1200 P 27W CS WT |
|  | Light distribution curve type polar | LN UO DA 1200 P 27W CS WT |

| CAD/BIM files                                                                       |              | Document name          |
|-------------------------------------------------------------------------------------|--------------|------------------------|
|  | BIM Revit 3D | Linear Ultra Output G2 |

| Tender texts                                                                        |                  | Document name                                         |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
|  | Tender documents | LINEAR ULTRA OUTPUT DALI GEN 2 DA 1200 P 27W CS WT-en |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075850392 | Folding box<br>1             | 69 mm x 1,174 mm x 77 mm             | 1295.00 g    | 6.24 dm <sup>3</sup>  |
| 4058075850408 | Shipping box<br>6            | 1,184 mm x 225 mm x 170 mm           | 8425.00 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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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.