

# PRODUCT DATASHEET

## PANEL D/I 1200 36 W 3000 K UGR 19 DALI

PANEL DIRECT/INDIRECT 1200 UGR < 19 DALI | Suspended edge-lit luminaires for direct and indirect light emission, low glare, 1200 mm with DALI-2 IoT technology



GERMAN  
DESIGN  
AWARD  
NOMINEE  
2019



PERFOR-  
MANCE  
CLASS

### Areas of application

- Efficient replacement for traditional T8 and T5 luminaires
- Offices
- Meeting rooms
- Conference rooms
- Reception areas and foyers

### Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Suspended edge-lit luminaires for direct light emission (70% ) and indirect light emission (30%)
- Attractive and functional design for office applications
- Good glare reduction (UGR ≤ 19)
- Very homogenous light
- Low maintenance and low operational costs
- External driver for extended flexibility
- Special light guide design for low-glare illumination
- Easy and quick installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features

- IoT-ready luminaire with DALI-2 technology



- Rectangular (1200 mm x 300 mm) stand-alone luminaires with direct (70 %) and indirect (30 %) light emission
- Driver integrated into the remote driver box
- UGR  $\leq$  19 according to EN12464-1
- High luminous efficacy: up to 110 lm/W
- Lifetime (L70/B50): 80,000 h (at 25 °C)
- Follows the unified LEDVANCE design language (SCALE design)
- Very slim aluminum housing

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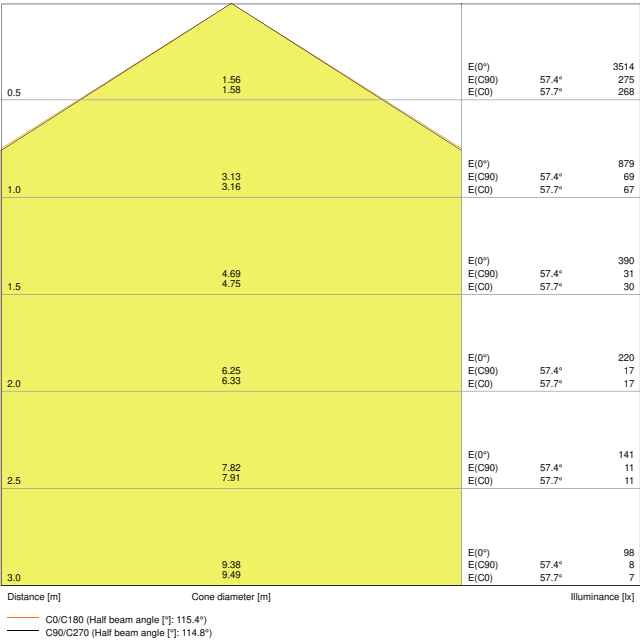
## TECHNICAL DATA

### Electrical data

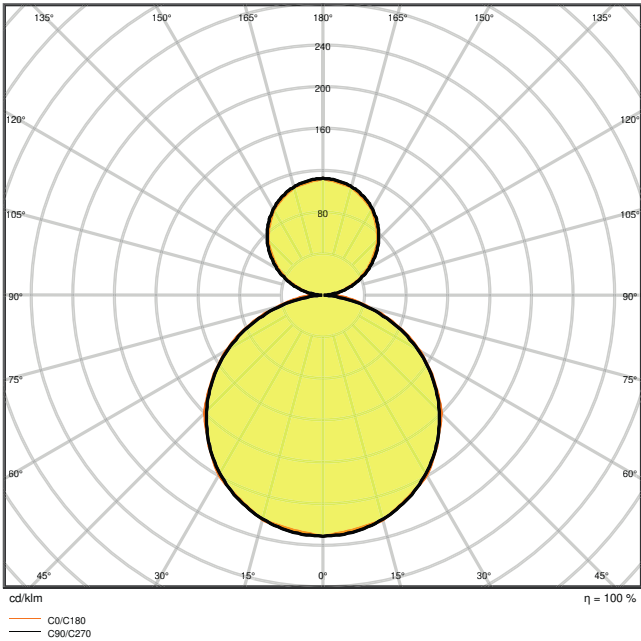
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 36.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 230.000 mA            |
| Inrush current                                              | 16 A                  |
| Inrush current time $T_{h50}$                               | 160 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 20                    |
| Max. number of luminaires per miniature circuit breaker C10 | 21                    |
| Max. number of luminaires per miniature circuit breaker C16 | 33                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |
| Dimming interface                                           | DALI-2 / IoT          |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 3800 lm    |
| Luminous efficacy                            | 105 lm/W   |
| Color temperature                            | 3000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | $\geq 80$  |
| Standard deviation of color matching         | 4 sdcm     |
| Low flicker                                  | Yes        |
| Flickering metric (Pst LM)                   | -          |
| Stroboscope effect metric (SVM)              | -          |
| Photobiological safety group acc. to EN62778 | RG0        |
| Beam angle                                   | 110 °      |
| UGR                                          | < 19       |



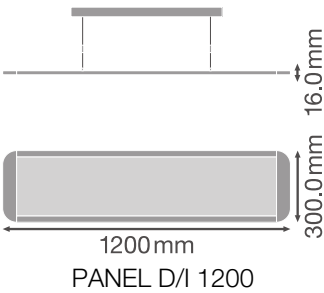
PANEL DI 1200 36W3000K UGR 19 DALI



PANEL DI 1200 36W3000K UGR 19 DALI

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1200.00 mm |
| Width          | 300.00 mm  |
| Height         | 16.00 mm   |
| Product weight | 3500.00 g  |



Materials & Colors

|               |       |
|---------------|-------|
| Product color | White |
| Housing color | White |

|                                            |                    |
|--------------------------------------------|--------------------|
| Body material                              | Aluminum           |
| 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...+45 °C |
| Type of connection                     | Terminal     |
| Type of protection                     | IP20         |
| Protection class IK (shock resistance) | IK03         |
| Dimmable                               | Yes          |
| Type of dimming                        | DALI         |
| Mounting type                          | Suspended    |
| Mounting location                      | Ceiling      |
| Application environment                | Indoor       |
| With light source                      | Yes          |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 80000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 60000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 60000 h               |
| Lifespan L90/B10 at 25 °C  | 50000 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

|                      |        |
|----------------------|--------|
| ECG - Output voltage | 38 V   |
| Output current       | 800 mA |

### Certificates & Standards

|                                                      |                                |
|------------------------------------------------------|--------------------------------|
| Standards                                            | CE / CB / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No                             |
| Replaceable light source (EPREL)                     | Not replaceable                |

### Additional product data

|                |         |
|----------------|---------|
| Added function | VIVARES |
|----------------|---------|

## EQUIPMENT / ACCESSORIES

- Suspension kit included

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.
- 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 | PANEL D/I 1200 36W DALI UGR19       |
|    | Legal information                      | LSI PANEL D I DALI AND ZBVR         |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG  |
|  | Declarations of conformity             | PANEL D I 1200 DALI                 |
| Photometric and lighting design files                                              |                                        | Document name                       |
|  | IES file (IES)                         | PANEL DI 1200 36W3000K UGR 19 DALI  |
|  | LDT file (Eulumdat)                    | PANEL DI 1200 36W3000K UGR 19 DALI  |
|  | ULD file (DIALux)                      | PANEL D-I 1200 36W-3000K UGR19 DALI |
|  | ROLF file (RELUX)                      | PANEL D-I 1200 36W-3000K            |
|  | UGR file (UGR table)                   | PANEL DI 1200 36W3000K UGR 19 DALI  |
|  | Light distribution curve type cone     | PANEL DI 1200 36W3000K UGR 19 DALI  |
|  | Light distribution curve type polar    | PANEL DI 1200 36W3000K UGR 19 DALI  |

| CAD/BIM files                                                                    |              | Document name         |
|----------------------------------------------------------------------------------|--------------|-----------------------|
|  | BIM Revit 3D | Panel Direct Indirect |
|  | CAD STEP 3D  | PL D I                |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075504028 | Folding box<br>1             | 75 mm x 1,265 mm x 455 mm            | 4205.00 g    | 43.17 dm <sup>3</sup> |
| 4058075504035 | Shipping box<br>2            | 1,280 mm x 155 mm x 465 mm           | 9575.00 g    | 92.26 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)

## DISCLAIMER

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