

# PRODUCT DATASHEET

## PANEL D/I 1200 36 W 4000 K UGR19

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



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

- 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

- 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
- Luminaire versions with IoT-ready DALI-2 driver or IoT Zigbee 3.0 technology available

---

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

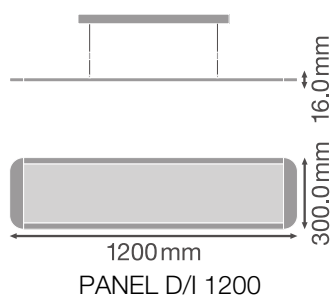
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 36.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 230.000 mA          |
| Inrush current                                              | 16 A                |
| Max. number of luminaires per miniature circuit breaker B16 | 47                  |
| Max. number of luminaires per miniature circuit breaker C10 | 34                  |
| Max. number of luminaires per miniature circuit breaker C16 | 55                  |
| Power factor $\lambda$                                      | > 0.90              |
| Total harmonic distortion                                   | < 20 %              |
| Protection class                                            | I                   |
| Operating mode                                              | External LED driver |

**Photometrical data**

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 4000 lm    |
| Luminous efficacy                            | 110 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | ≥80        |
| Standard deviation of color matching         | 4 sdcn     |
| Luminous intensity                           | -          |
| Low flicker                                  | Yes        |
| Flickering metric (Pst LM)                   | -          |
| Stroboscope effect metric (SVM)              | -          |
| Photobiological safety group acc. to EN62778 | RG0        |
| Beam angle                                   | 110 °      |
| UGR                                          | < 19       |



|                |            |
|----------------|------------|
| Length         | 1200.00 mm |
| Width          | 300.00 mm  |
| Height         | 16.00 mm   |
| Product weight | 4525.00 g  |



## Materials & Colors

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

|                                            |                               |
|--------------------------------------------|-------------------------------|
| RAL Color (most similar)                   | RAL 9003                      |
| Body material                              | Aluminum                      |
| Cover material                             | Polymethylmethacrylate (PMMA) |
| Light emitting surface material            | Polystyrene                   |
| 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                               | No           |
| Mounting type                          | Suspended    |
| Mounting location                      | Ceiling      |
| Application environment                | Indoor       |
| Mounting length                        | 1175 mm      |
| With light source                      | Yes          |
| Replaceable light source               | No           |

### 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                             |
| Ball shot safe                                       | No                             |

Replaceable light source (EPREL)

Not replaceable

## 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 DIRECT INDIRECT 1200 UGR 19  |
|   | Legal information                      | LSI PANEL D I                      |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | PANEL D/I                          |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | PANEL D I 1200 36W 4000K UGR19     |
|  | LDT file (Eulumdat)                    | PANEL D I 1200 36W 4000K UGR19     |
|  | ULD file (DIALux)                      | PANEL D-I 1200 36W-4000K           |
|  | ROLF file (RELUX)                      | PANEL D-I 1200 36W-4000K           |
|  | UGR file (UGR table)                   | PANEL D I 1200 36W 4000K UGR19     |
|  | Light distribution curve type cone     | PANEL D I 1200 36W 4000K UGR19     |
|  | Light distribution curve type polar    | PANEL D I 1200 36W 4000K UGR19     |

| CAD/BIM files                                                                    |                  | Document name                                         |
|----------------------------------------------------------------------------------|------------------|-------------------------------------------------------|
|  | BIM Revit 3D     | Panel Direct Indirect                                 |
|  | CAD STEP 3D      | PL D I                                                |
| Tender texts                                                                     |                  | Document name                                         |
|  | Tender documents | PANEL DIRECTINDIRECT 1200 UGR 19 36 W 4000 K UGR19-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075144620 | Folding box<br>1             | 75 mm x 1,265 mm x 455 mm            | 5030.00 g    | 43.17 dm <sup>3</sup> |
| 4058075144637 | Shipping box<br>2            | 1,280 mm x 155 mm x 465 mm           | 12750.00 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.