

# PRODUCT DATASHEET

## PANEL INDV 600 33 W 4000K DALI

PANEL IndiviLED® 600 DALI | Square recessed luminaire with IndiviLED® optics, 600mm with DALI-2 IoT technology



### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Corridors
- Offices
- Conference rooms
- Reception areas
- Foyers
- Elevators
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

### Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features

- IoT-ready luminaire with DALI-2 technology
- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution



- Lifetime (L80/B50): up to 50,000 h (at 25 °C)
- Metal housing, polycarbonate (PC) lenses and reflectors
- Luminous flux: up to 4,000 lm
- Luminous efficacy: up to 120 lm/W
- Initial color consistency: 3 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C

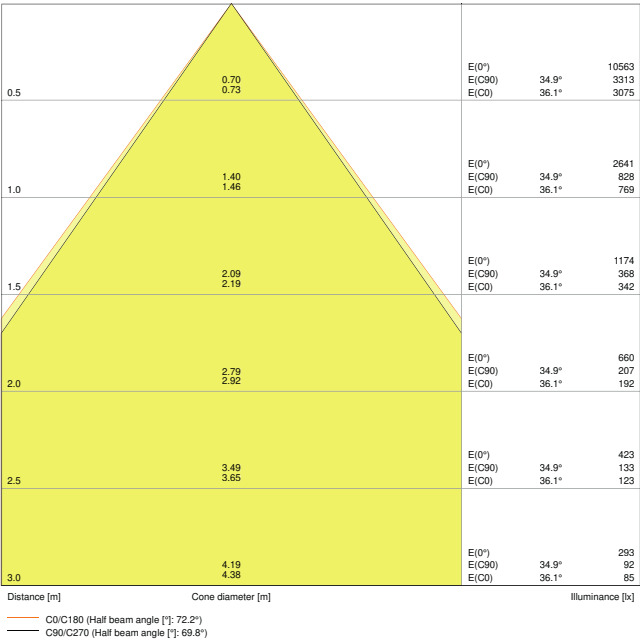
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**TECHNICAL DATA****Electrical data**

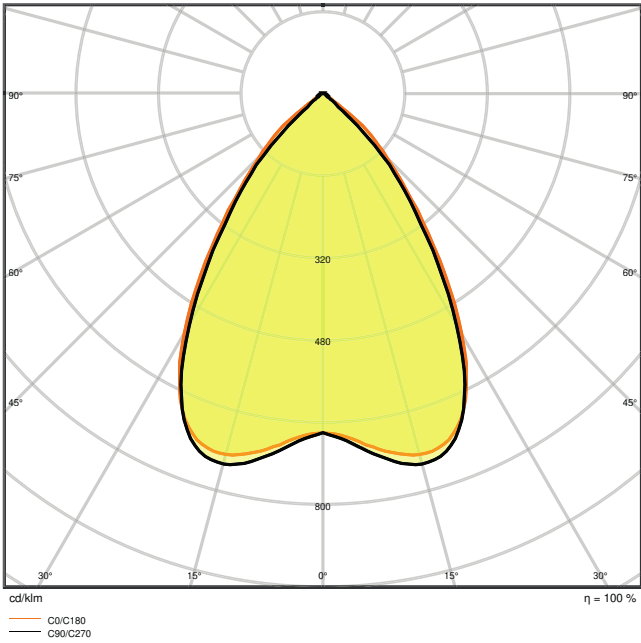
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 33.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 0/50/60 Hz          |
| Nominal current                                             | 180.000 mA          |
| Max. number of luminaires per miniature circuit breaker B16 | 14                  |
| Max. number of luminaires per miniature circuit breaker C10 | 23                  |
| Max. number of luminaires per miniature circuit breaker C16 | 38                  |
| Power factor $\lambda$                                      | > 0.90              |
| Total harmonic distortion                                   | < 20 %              |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |
| Dimming interface                                           | DALI-2 / IoT        |

**Photometrical data**

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 4000 lm    |
| Luminous efficacy                            | 120 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Warm White |
| Color rendering index Ra                     | ≥80        |
| Standard deviation of color matching         | 3 sdcn     |
| Luminous intensity                           | -          |
| Low flicker                                  | Yes        |
| Flickering metric (Pst LM)                   | -          |
| Stroboscope effect metric (SVM)              | -          |
| Photobiological safety group acc. to EN62778 | RG1        |
| Beam angle                                   | 70 °       |
| UGR                                          | < 16       |



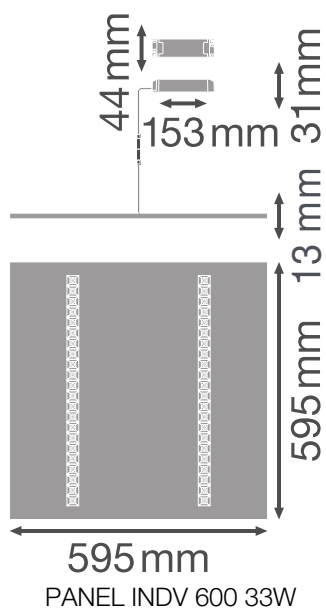
PL INDV 600 33W4000K DALI



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Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 13.00 mm  |
| Product weight | 3500.00 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              | -20...+45 °C                |
| Type of connection                     | Terminal, 3-Pole (L, N, PE) |
| Type of protection                     | IP40                        |
| Protection class IK (shock resistance) | IK08                        |
| Dimmable                               | Yes                         |
| Type of dimming                        | DALI                        |
| Mounting type                          | Surface/Recessed            |
| Mounting location                      | Ceiling                     |
| Application environment                | Indoor                      |
| Mounting length                        | 575 mm                      |

|                          |         |
|--------------------------|---------|
| Mounting width           | 575 mm  |
| Mounting depth           | 50,0 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  | 35000 h               |
| Number of switching cycles | 25000                 |

<sup>1)</sup> 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 / EAC |
| Luminaire with limited surface temperature, "D sign" | No                   |
| Replaceable light source (EPREL)                     | Not replaceable      |

### Additional product data

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

### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- External control gear included

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | PANEL INDIVILED DALI 600/625       |
|  | Legal information                      | LSI PANEL INDV EM                  |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | PL INDV 33 DALI                    |

| Photometric and lighting design files                                              |                                     | Document name                              |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------|
|    | IES file (IES)                      | PL INDV 600 33W4000K DALI                  |
|    | LDT file (Eulumdat)                 | PL INDV 600 33W4000K DALI                  |
|    | ULD file (DIALux)                   | PL INDV 600 33W-4000K DALI                 |
|    | ROLF file (RELUX)                   | PL INDV 600 33W-4000K                      |
|    | UGR file (UGR table)                | PL INDV 600 33W4000K DALI                  |
|    | Light distribution curve type cone  | PL INDV 600 33W4000K DALI                  |
|    | Light distribution curve type polar | PL INDV 600 33W4000K DALI                  |
| CAD/BIM files                                                                      |                                     | Document name                              |
|    | BIM Revit 3D                        | PANEL Indiv                                |
|   | CAD STEP 3D                         | PANEL Indiv 600                            |
| Tender texts                                                                       |                                     | Document name                              |
|  | Tender documents                    | PANEL IndivLED 600 DALI 33 W 4000K DALI-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075503861 | Folding box<br>1             | 643 mm x 688 mm x 38 mm              | 3893.00 g    | 16.81 dm <sup>3</sup> |
| 4058075503878 | Shipping box<br>3            | 660 mm x 135 mm x 710 mm             | 12554.00 g   | 63.26 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.