

# PRODUCT DATASHEET

## PL PFM 1200X300 DALI 33W 3000 K

PANEL PERFORMANCE 1200X300 DALI | Rectangular recessed panel luminaires, tool-free installation for 1200 x 300 mm ceiling systems with DALI-2 IoT technology



### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 300 x 1200 mm

### Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Energy savings thanks to high system efficacy: up to 120 lm/W
- Comfortable light and high color consistency
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features

- IoT-ready luminaire with DALI-2 technology
- Extruded aluminum frame
- Polystyrene diffuser
- 3-pole terminal block, cable cross section up to 3 x 2.5 mm<sup>2</sup>



- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup> (DALI versions)
- Versions available with CRI 90
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)

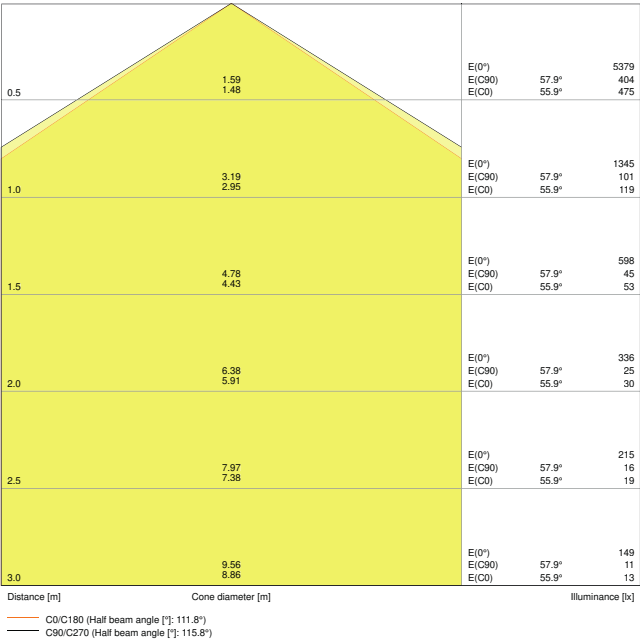
## TECHNICAL DATA

### Electrical data

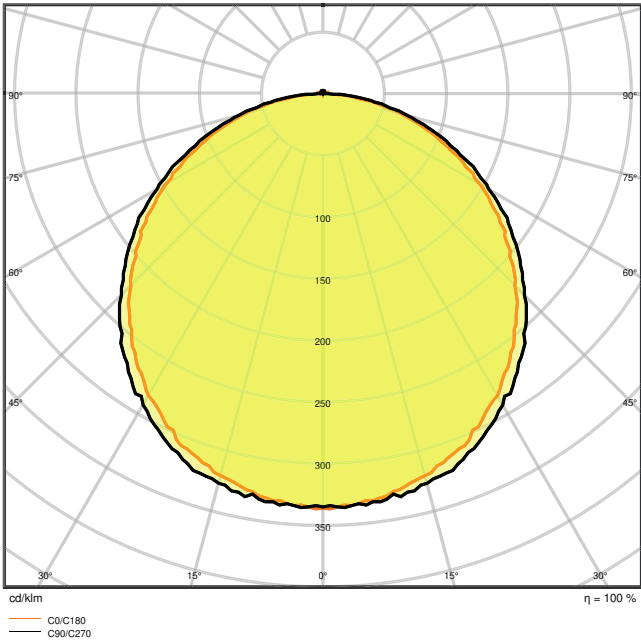
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 33.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 0/50/60 Hz          |
| Nominal current                                             | 280 mA              |
| Inrush current                                              | 30 A                |
| Inrush current time $T_{h50}$                               | 200 $\mu$ 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 $\lambda$                                      | > 0.93              |
| Total harmonic distortion                                   | < 10 %              |
| 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                            | 3000 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 | RG0        |
| Photobiological safety group acc. to EN62471 | RG0        |
| Beam angle                                   | 120 °      |
| UGR                                          | < 22       |



PL PFM 1200 DALI 33W 3000K LDT



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1195.00 mm |
| Width          | 295.00 mm  |
| Height         | 9.00 mm    |
| Product weight | 1600.00 g  |



Panel LED 1200 mn k

Materials & Colors

|                                 |                  |
|---------------------------------|------------------|
| Product color                   | White            |
| Housing color                   | White            |
| Body material                   | Steel            |
| Cover material                  | Polystyrene (PS) |
| Light emitting surface material | Polystyrene      |

|                                            |        |
|--------------------------------------------|--------|
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content                            | 0.0 mg |

### Application & Mounting

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Ambient temperature range              | -10...+45 °C                                    |
| Type of connection                     | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) |
| Type of protection                     | IP40/IP20                                       |
| Protection class IK (shock resistance) | IK02                                            |
| Dimmable                               | Yes                                             |
| Type of dimming                        | DALI                                            |
| Mounting type                          | Recessed/Suspended/Surface                      |
| Mounting location                      | Ceiling / Wall                                  |
| Application environment                | Indoor                                          |
| Mounting length                        | 1190 mm                                         |
| Mounting width                         | 290,0 mm                                        |
| Mounting depth                         | 50,0 mm                                         |
| With light source                      | Yes                                             |
| Replaceable light source               | No                                              |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 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 | 50000                  |

<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              | 950 mA |
| ECG - Output ripple current | < 3 %  |

### Certificates & Standards

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

## Accessories Optional

| Product image                                                                       | Product name                           | EAN           |
|-------------------------------------------------------------------------------------|----------------------------------------|---------------|
|    | PANEL 1200 Surface Mount Kit           | 4058075813854 |
|    | PANEL 1200 Surface Mount Kit           | 4058075108820 |
|    | PANEL Suspension Kit                   | 4058075402928 |
|    | PANEL 1200 X 300 SURFACE MOUNT KIT VAL | 4058075472952 |
|   | PANEL 1200x300 RECESSED MOUNT FRAME    | 4058075472976 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x      | 4058075409859 |

## EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 3-pole or 5-pole terminal included
- Security rope for luminaire included
- Security brackets included
- External control gear included
- Not suitable for use with Emergency Conversion Box

## DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name                                 |
|-------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|
|    | User instruction / safety instructions | PANEL PERFORMANCE 1200                        |
|    | Legal information                      | Legal insert                                  |
|    | Legal information                      | LSI PL PFM AND PL PFM DALI                    |
|    | Declarations of conformity             | PL PFM 1200 DALI                              |
| Photometric and lighting design files                                               |                                        | Document name                                 |
|    | IES file (IES)                         | PL PFM 1200 DALI 33W 3000K                    |
|    | LDT file (Eulumdat)                    | PL PFM 1200 DALI 33W 3000K LDT                |
|    | ULD file (DIALux)                      | PL PFM 1200 DALI 33W-3000K                    |
|   | ROLF file (RELUX)                      | PL PFM 1200                                   |
|  | UGR file (UGR table)                   | PL PFM 1200 DALI 33W 3000K LDT                |
|  | Light distribution curve type cone     | PL PFM 1200 DALI 33W 3000K LDT                |
|  | Light distribution curve type polar    | PL PFM 1200 DALI 33W 3000K LDT                |
| CAD/BIM files                                                                       |                                        | Document name                                 |
|  | BIM Revit 3D                           | PL PFM gen3                                   |
|  | CAD STEP 3D                            | PL PFM 1200x300 Gen3                          |
| Tender texts                                                                        |                                        | Document name                                 |
|  | Tender documents                       | PANEL PERFORMANCE 1200X300 DALI 33W 3000 K-EN |

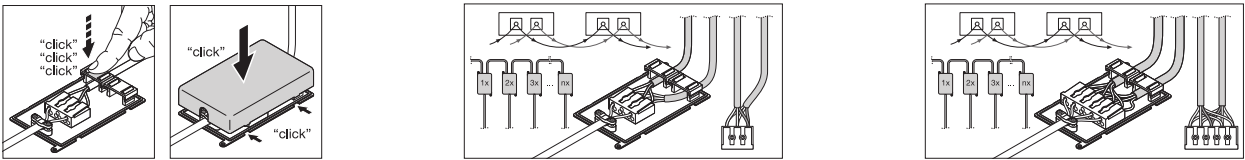
LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075440135 | Folding box<br>1             | 43 mm x 1,285 mm x 330 mm            | 3678.00 g    | 18.23 dm³ |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075440142 | Shipping box<br>4            | 1,314 mm x 176 mm x 328 mm           | 9366.00 g    | 75.85 dm³ |

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.

ADDITIONAL CATALOG INFORMATION



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.