

# PRODUCT DATASHEET

## PL PFM 625 36 W 4000 K UGR19 ZBVR

PANEL PERFORMANCE 625 UGR<19 ZIGBEE | Square recessed panel luminaires, tool-free installation and low glare, for 625 x 625 mm ceiling systems with Zigbee 3.0 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 625 x 625 mm

### Product benefits

- Suitable luminaire for VIVARES and other Zigbee 3.0 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
- Good glare reduction (UGR < 19)
- 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 Zigbee 3.0 technology
- Extruded aluminum frame
- Polystyrene diffuser



- 3-pole terminal block, cable cross section up to 3 x 2.5 mm<sup>2</sup> (25 W and 30 W versions)
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup> (36 W versions and DALI types)
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)



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## TECHNICAL DATA

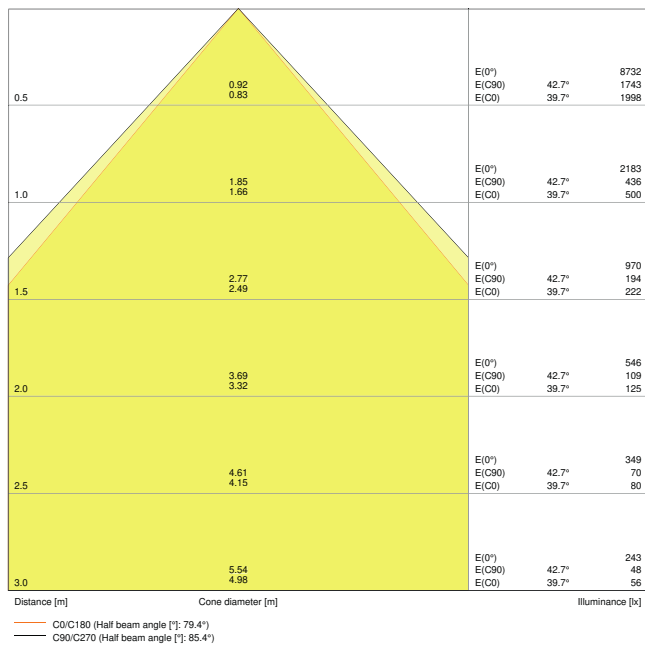
### Electrical data

|  |                     |
|--|---------------------|
| Nominal wattage                          | 36.00 W             |
| Nominal voltage                          | 220...240 V         |
| Mains frequency                          | 50...60 Hz          |
| Nominal current                          | 160 mA              |
| Inrush current                           | 25 A                |
| Inrush current time $T_{h50}$            | 200 $\mu$ s         |
| Max. no. of lum. on circuit break. B16 A | 11                  |
| Max. no. of lum. on circuit break. C10 A | 10                  |
| Max. no. of lum. on circuit break. C16 A | 16                  |
| Power factor $\lambda$                   | > 0.95              |
| Total harmonic distortion                | < 20 %              |
| Protection class                         | II                  |
| Operating mode                           | External LED driver |

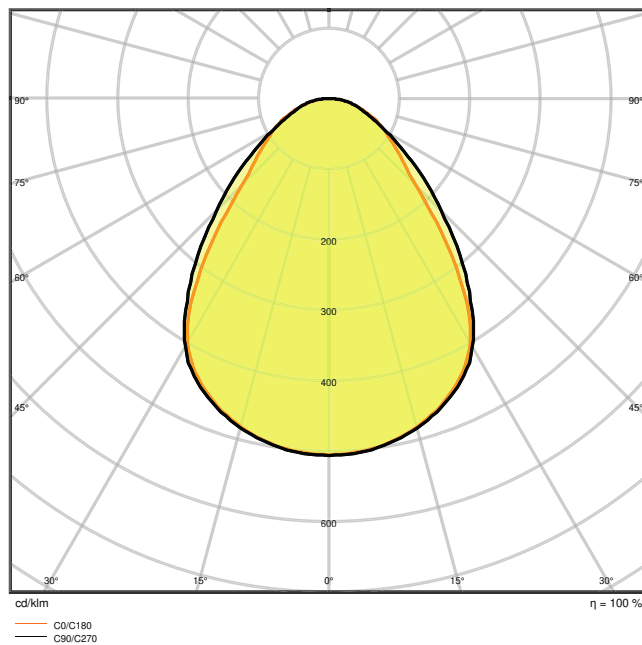
### Photometrical data

|  |            |
|--|------------|
| Luminous flux                                | 4320 lm    |
| Luminous efficacy                            | 120 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | > 80       |
| Standard deviation of color matching         | 4 sdcn     |
| 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                                   | 90 °       |
| UGR  | < 19       |





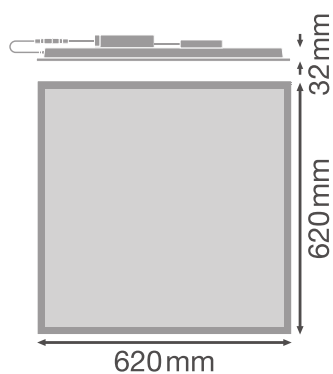
LDC typ cone



LDC typ polar

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 620.00 mm |
| Width          | 620.00 mm |
| Height         | 32.00 mm  |
| Product weight | 2100.00 g |



## Materials & Colors

|  |                  |
|--|------------------|
| Product color                              | White            |
| Housing color                              | White            |
| Body material                              | Aluminum         |
| Cover material                             | Polystyrene (PS) |
| 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              | -10...+50 °C                                    |
| Temperature range at storage           | -20...+70 °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                        | ZIGBEE  |
| Mounting type                          | Recessed/Suspended/Surface                      |
| Mounting location                      | Ceiling / Wall                                  |
| Application environment                | Indoor  |
| Mounting length                        | 600,0 mm  |
| Mounting width                         | 600,0 mm  |
| Mounting depth                         | 80,0 mm   |
| LED module replaceable                 | Not replaceable                                 |
| With light source                      | Yes   |

## Lifespan

|                            |          |
|----------------------------|----------|
| Lifespan L70/B50 at 25 °C  | 100000 h |
| Lifespan L80/B10 at 25 °C  | 60000 h  |
| Lifespan L90/B10 at 25 °C  | 35000 h  |
| Number of switching cycles | 50000    |

## Control gear

|                             |        |
|-----------------------------|--------|
| Output current              | 750 mA |
| ECG - Output ripple current | < 5 %  |
| ECG - Length                | 180 mm |
| ECG - Width                 | 44 mm  |



|              |       |
|--------------|-------|
| ECG - Height | 33 mm |
|--------------|-------|











**Certificates & Standards**

|  |                      |
|--|----------------------|
| Standards  | CE / CB / ENEC / EAC |
| Luminaire with limited surface temperature, "D sign" | No                   |
| Ball shot safe                                       | No                   |

**EQUIPMENT / ACCESSORIES**

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

**DOWNLOAD DATA**

| DOWNLOAD DATA   |                             |
|---|-----------------------------|
|    | User instruction            |
|   | Addon Technical Information |
|   | Addon Technical Information |
|  | Tender documents            |
|   | Declarations of conformity  |
|  | IES file (IES)              |
|  | LDT file (Eulumdat)         |
|  | R3D file (Relux 3D Model)   |
|  | M3D file (3D Model)         |
|  | UGR file (UGR table)        |

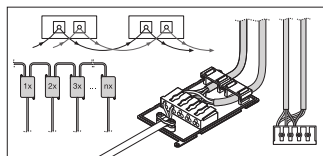


## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075522893 | Shipping box<br>4            | 665 mm x 220 mm x 735 mm             | 11848.00 g   | 107.53 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.

## 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.

