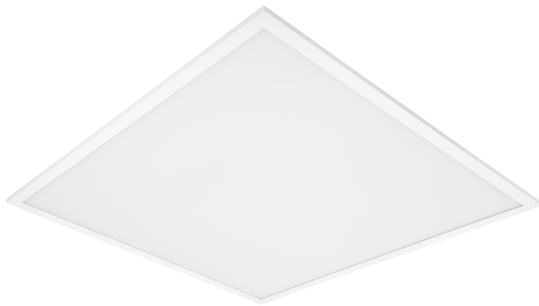


# PRODUCT DATASHEET

## PANEL PFM 600 40 W 3000 K WT

PANEL PERFORMANCE 600 | Square recessed panel luminaires, 600 x 600 mm



### 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

- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- External driver for extended flexibility
- Light guide plate with micro structure made of non-yellowing material for long lifetime
- Easy and quick installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features

- High luminous efficacy: up to 110 lm/W
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)
- Connector box with push wire terminal for tool-free connection
- Aluminum housing, polystyrene diffuser



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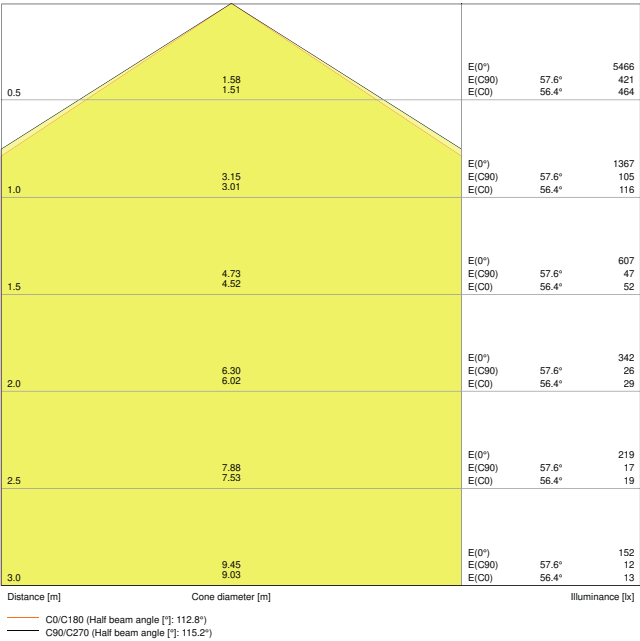
## TECHNICAL DATA

### Electrical data

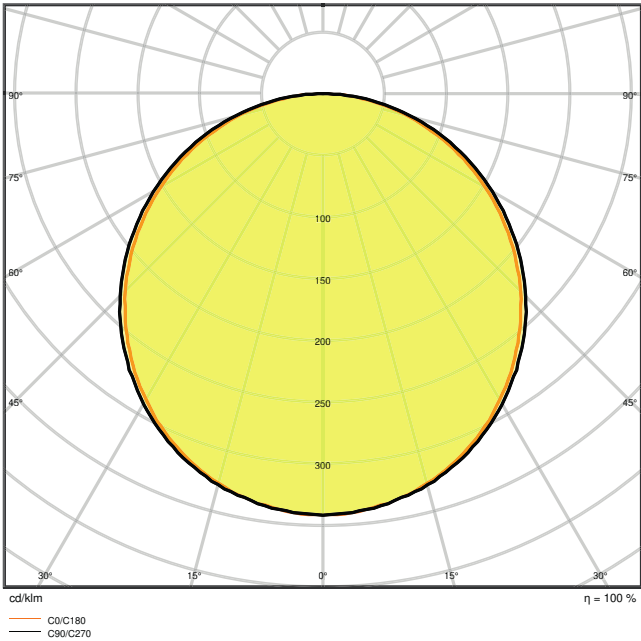
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 40.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 200 mA              |
| Inrush current                                              | 15.3 A              |
| Inrush current time $T_{h50}$                               | 162.8 $\mu$ s       |
| Max. number of luminaires per miniature circuit breaker B16 | 27                  |
| Max. number of luminaires per miniature circuit breaker C10 | 22                  |
| Max. number of luminaires per miniature circuit breaker C16 | 36                  |
| Power factor $\lambda$                                      | $\geq 0.95$         |
| Total harmonic distortion                                   | $< 7 \%$            |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 4000 lm    |
| Luminous efficacy                            | 100 lm/W   |
| Color temperature                            | 3000 K     |
| Light color (designation)                    | Warm White |
| Color rendering index Ra                     | $\geq 80$  |
| Standard deviation of color matching         | 5 sdcm     |
| Low flicker                                  | Yes        |
| Photobiological safety group acc. to EN62778 | RG0        |
| Beam angle                                   | 120 °      |



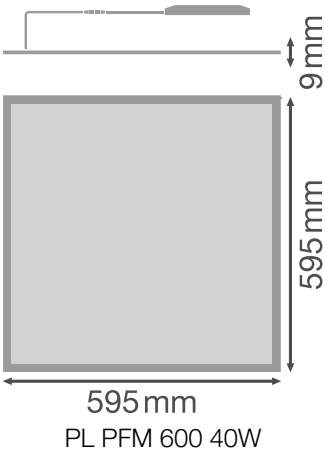
PL PFM 600 40W 3000K



PL PFM 600 40W 3000K

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 9.00 mm   |
| Product weight | 2000.00 g |



## 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 | 650 °C           |
| Mercury content                            | 0.0 mg           |

## Application & Mounting

|                                        |                            |
|----------------------------------------|----------------------------|
| Ambient temperature range              | -10...+45 °C               |
| Type of connection                     | Cable, 3-pole              |
| Type of protection                     | IP20                       |
| Protection class IK (shock resistance) | IK03                       |
| Dimmable                               | No                         |
| Mounting type                          | Recessed/Suspended/Surface |
| Mounting location                      | Ceiling / Wall             |
| Application environment                | Indoor                     |
| Mounting length                        | 591 mm                     |
| Mounting width                         | 591 mm                     |
| Mounting depth                         | 50,0 mm                    |
| 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)

## Control gear

|                             |       |
|-----------------------------|-------|
| ECG - Output ripple current | < 5 % |
|-----------------------------|-------|

## Certificates & Standards

|           |                         |
|-----------|-------------------------|
| Standards | CE / CB / TÜV SÜD / EAC |
|-----------|-------------------------|

|                                  |                 |
|----------------------------------|-----------------|
| Ball shot safe                   | No              |
| Replaceable light source (EPREL) | Not replaceable |

Accessories Optional

| Product image                                                                       | Product name                        | EAN           |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------|
|    | PANEL RECESSED MOUNT CLIPS VAL 4x   | 4058075409859 |
|    | PANEL 600 SURFACE MOUNT KIT H70 VAL | 4058075402843 |
|    | PANEL Suspension Kit                | 4058075402928 |
|  | PANEL 600 SURFACE MOUNT KIT H75     | 4058075472914 |
|  | EM CONVERSION BOX                   | 4058075237025 |
|   | PANEL 600 RECESSED MOUNT FRAME      | 4058075402881 |

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included
- Not suitable for use with Emergency Conversion Box

DOWNLOAD DATA

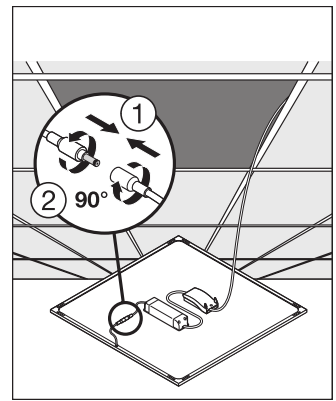
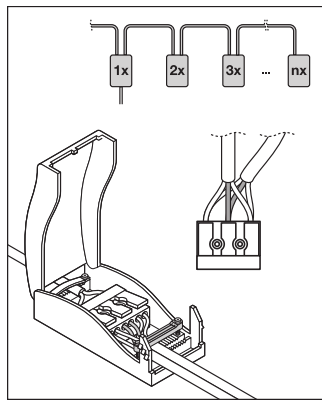
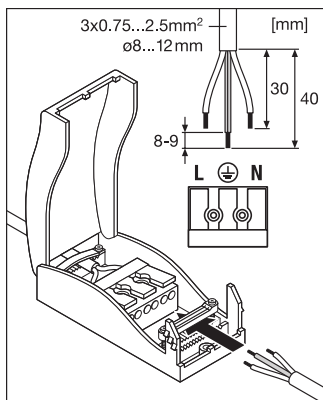
| Documents and certificates                                                         |                                        | Document name                           |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|
|   | User instruction / safety instructions | UI PANEL PFM 600_625                    |
|   | Certificates                           | Certificate TUV PANEL PFM               |
| Photometric and lighting design files                                              |                                        | Document name                           |
|   | IES file (IES)                         | PL PFM 600 40W 3000K                    |
|   | LDT file (Eulumdat)                    | PL PFM 600 40W 3000K                    |
|   | UGR file (UGR table)                   | PL PFM 600 40W 3000K                    |
|   | Light distribution curve type cone     | PL PFM 600 40W 3000K                    |
|   | Light distribution curve type polar    | PL PFM 600 40W 3000K                    |
| Tender texts                                                                       |                                        | Document name                           |
|  | Tender documents                       | PANEL PERFORMANCE 600 40 W 3000 K WT-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075225190 | Folding box<br>1             | 40 mm x 627 mm x 684 mm              | 2320.00 g    | 17.15 dm³ |
| 4058075394636 | Shipping box<br>6            | 782 mm x 150 mm x 687 mm             | 16063.00 g   | 80.59 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.