

# PRODUCT DATASHEET

## PL CMFT 600 P 33W 865 U19 PS

PANEL COMFORT 600 UGR<19 PS | Square recessed panel luminaires with power select (PS) feature and low glare, for 600 x 600 mm ceiling systems



### Areas of application

- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

### Product benefits

- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- 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 130 lm/W
- Good glare reduction ( $UGR \leq 19$ )
- High color consistency with SDCM 3
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Emergency lighting possible with LEDVANCE Emergency Conversion Box
- 5 years guarantee

### Product features

- Extruded aluminum frame



- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup>
- Luminaire versions with IoT-ready DALI-2 driver available
- Versions available with CRI 90
- Lifetime (L80/B10): 70,000 h (at 25 °C)

## TECHNICAL DATA

### Electrical data

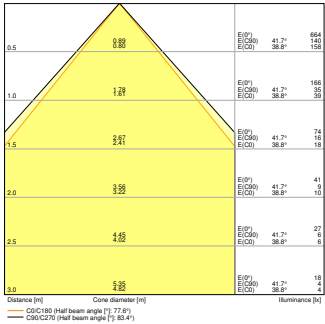
|                                                             |                                  |
|-------------------------------------------------------------|----------------------------------|
| Nominal wattage                                             | 33 W / 30 W / 28 W <sup>1)</sup> |
| Nominal voltage                                             | 220...240 V                      |
| Mains frequency                                             | 50...60 Hz                       |
| Nominal current                                             | 150.000 mA                       |
| Inrush current                                              | 9 A                              |
| Inrush current time T <sub>h50</sub>                        | 690 µs                           |
| Max. number of luminaires per miniature circuit breaker B16 | 14                               |
| Max. number of luminaires per miniature circuit breaker C10 | 15                               |
| Max. number of luminaires per miniature circuit breaker C16 | 24                               |
| Power factor λ                                              | > 0.90                           |
| Total harmonic distortion                                   | < 20 %                           |
| Protection class                                            | II                               |
| Operating mode                                              | External LED driver              |

<sup>1)</sup> For possible options refer to lumen/power table image / CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

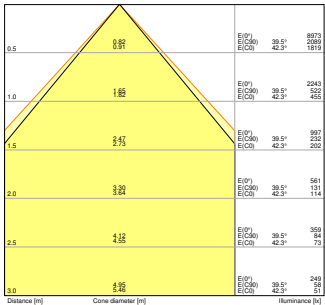
### Photometrical data

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Luminous flux                                | 4320 lm / 3900 lm / 3640 lm <sup>1)</sup> |
| Luminous efficacy                            | 130 lm/W <sup>1)</sup>                    |
| Color temperature                            | 6500 K                                    |
| Light color (designation)                    | Cool Daylight                             |
| Color rendering index Ra                     | > 80                                      |
| Standard deviation of color matching         | ≤3 sdc <sub>m</sub>                       |
| Low flicker                                  | Yes                                       |
| Flickering metric (Pst LM)                   | <1                                        |
| Stroboscope effect metric (SVM)              | < 0.4                                     |
| Photobiological safety group acc. to EN62778 | RG0                                       |
| Beam angle                                   | 90 °                                      |
| UGR                                          | < 19                                      |

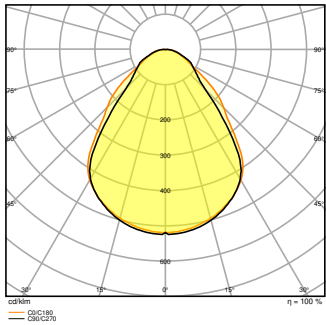
<sup>1)</sup> For possible options refer to lumen/power table image / CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires



PL CMFT 600 P 33W 865 U19 PS  
EM CONVERSION BOX



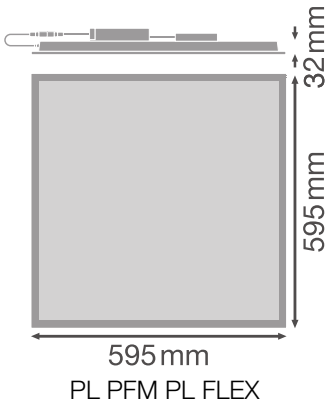
PL CMFT 600 P 33W 865 U19 PS



PL CMFT 600 P 33W 865 U19 PS

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 32.00 mm  |
| Product weight | 1750.00 g |



Materials & Colors

|                                 |                  |
|---------------------------------|------------------|
| Product color                   | White            |
| Housing color                   | White            |
| RAL Color (most similar)        | RAL 9003         |
| 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...+50 °C                                    |
| Temperature range at storage           | -20...+80 °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                               | No                                              |
| Mounting type                          | Recessed/Suspended/Surface                      |
| Mounting location                      | Ceiling                                         |
| Application environment                | Indoor                                          |
| Mounting length                        | 575 mm                                          |
| Mounting width                         | 575 mm                                          |
| Mounting depth                         | 50,0 mm                                         |
| Adjustable                             | No                                              |
| 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  | 70000 h <sup>1)</sup>  |
| Lifespan L80/B50 at 25 °C  | 70000 h                |
| Lifespan L90/B10 at 25 °C  | 48000 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              | 730 mA                                                                        |
| ECG - Output ripple current | < 5 %                                                                         |
| ECG - Length                | 143 mm                                                                        |
| ECG - Width                 | 49 mm                                                                         |
| ECG - Height                | 30 mm                                                                         |
| Recommended control gear    | OSRAM OTI DALI 50/220-240/1A4 NFC; Tridonic LCA 45W 500-1400mA one4all SC PRE |

Emergency lighting

|                                 |                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------|
| Type of Emergency Lighting (EL) | Optional EL unit (battery and controller) for decentral operation available separately |
|---------------------------------|----------------------------------------------------------------------------------------|

Certificates & Standards

|                                                      |                                   |
|------------------------------------------------------|-----------------------------------|
| Standards                                            | CE / CB / ENEC / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No                                |
| Ball shot safe                                       | No                                |
| EPD                                                  | LEDV-00011-V01.01-EN              |
| Replaceable light source (EPREL)                     | Not replaceable                   |

Additional product data

|                |              |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|

Accessories Optional

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

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                                  |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------|
|    | User instruction / safety instructions | PL CMFT P PS                                   |
|    | Legal information                      | LISO Insert Panel CMFT 600 P and 625 P         |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG             |
|    | Legal information                      | EM Insert PL COMFORT                           |
|    | Declarations of conformity             | CE Declaration PL CMFT PS                      |
|  | Declarations of conformity UKCA        | UKCA Declaration PL CMFT PS                    |
| Photometric and lighting design files                                              |                                        | Document name                                  |
|  | IES file (IES)                         | PL CMFT 600 P 33W 865 U19 PS                   |
|  | LDT file (Eulumdat)                    | PL CMFT 600 P 33W 865 U19 PS                   |
|  | ULD file (DIALux)                      | PL CMFT 600 P 33W 865 U19                      |
|  | ROLF file (RELUX)                      | PL CMFT 600 P 33W 865 U19                      |
|  | UGR file (UGR table)                   | PL CMFT 600 P 28W 865 U19 PS                   |
|  | UGR file (UGR table)                   | PL CMFT 600 P 30W 865 U19 PS                   |
|  | UGR file (UGR table)                   | PL CMFT 600 P 33W 865 U19 PS EM CONVERSION BOX |
|  | UGR file (UGR table)                   | PL CMFT 600 P 33W 865 U19 PS                   |

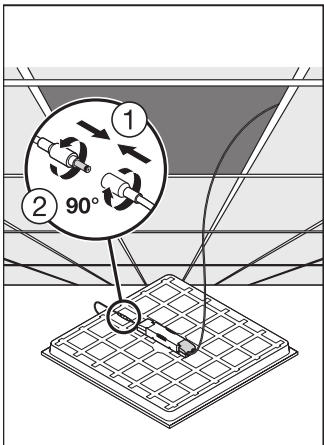
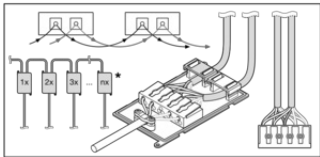
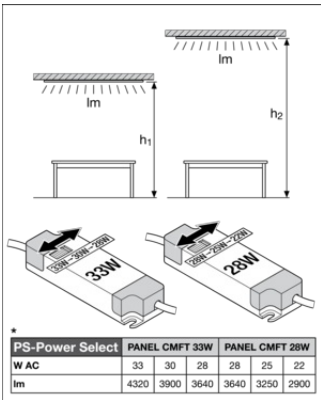
| Photometric and lighting design files                                            |                                     | Document name                                  |
|----------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------|
|  | Light distribution curve type cone  | PL CMFT 600 P 33W 865 U19 PS EM CONVERSION BOX |
|  | Light distribution curve type cone  | PL CMFT 600 P 33W 865 U19 PS                   |
|  | Light distribution curve type polar | PL CMFT 600 P 33W 865 U19 PS                   |
| CAD/BIM files                                                                    |                                     | Document name                                  |
|  | BIM Revit 3D                        | PL_CMFT                                        |
|  | CAD STEP 3D                         | PL_CMFT_600                                    |
| Tender texts                                                                     |                                     | Document name                                  |
|  | Tender documents                    | PANEL COMFORT 600 UGR19 PS 33W 865 U19 PS-EN   |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4099854015137 | Folding box<br>1             | 52 mm x 622 mm x 649 mm              | 2205.00 g    | 20.99 dm <sup>3</sup>  |
| 4099854015144 | Shipping box<br>4            | 647 mm x 222 mm x 724 mm             | 9902.00 g    | 103.99 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)

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