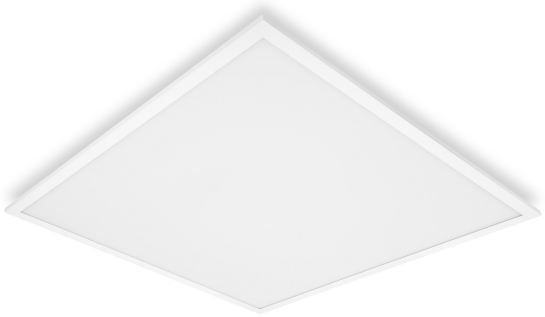
# PRODUCT DATASHEET
# PL CMFT 600 P 33W 840 U19 DALIVR

PANEL COMFORT 600 UGR<19 DALI | Square recessed panel luminaire with low glare, for 600 x 600 mm ceiling systems and DALI-2 IoT technology



PERFOR-
MANCE
CLASS

## 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

- 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
- Good glare reduction (UGR < 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
- Suitable for emergency lighting
- 5 years guarantee

## Product features

- IoT-ready luminaire with DALI-2 technology
- Suitable for central battery emergency installations acc. to EN 60598-2-22
- Push DIM function for dimming and switching directly on a pushbutton
- Versions available with CRI 90
- Extruded aluminum frame


© 2026, LEDVANCE GmbH. All rights reserved.

- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 $mm^2$
- Lifetime (L80/B10): 70,000 h (at 25 °C)


© 2026, LEDVANCE GmbH. All rights reserved.

# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 33.00 W [1)] |
| Nominal voltage | 220…240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 150.000 mA |
| Inrush current | 4.4 A |
| Inrush current time $T_{h50}$ | 440 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 40 |
| Max. number of luminaires per miniature circuit breaker C10 | 40 |
| Max. number of luminaires per miniature circuit breaker C16 | 65 |
| Power factor λ | > 0.90 |
| Maximum total harmonic distortion | < 20 % |
| Protection class | II |
| Operating mode | External LED driver |
| Dimming interface | DALI-2 / IoT / Push-DIM |

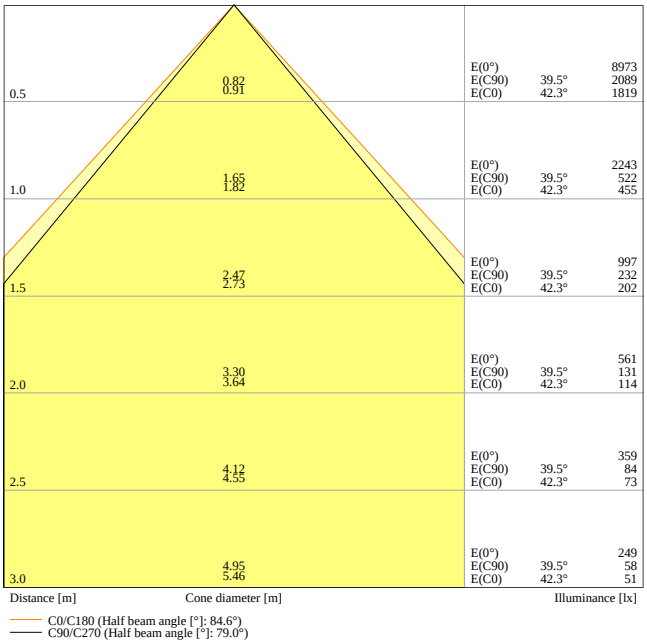
1) CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

## Photometrical data

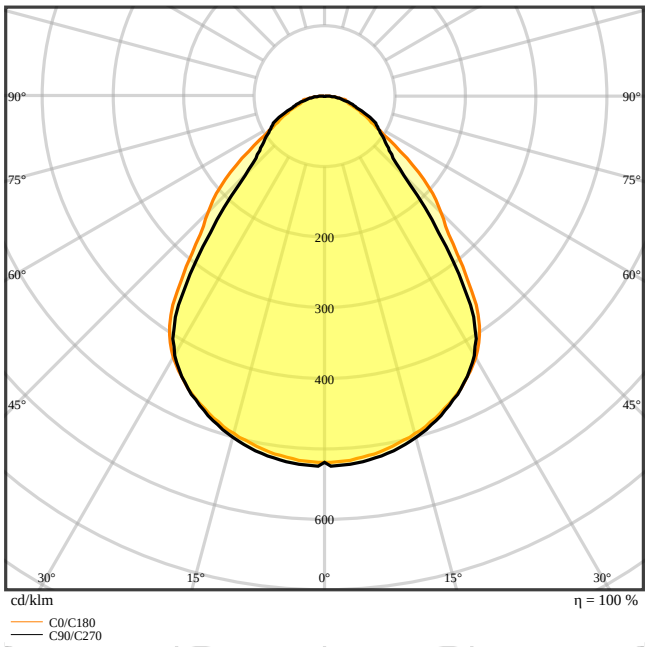
| | |
|---|---|
| Luminous flux | 4320 lm [1)] |
| Luminous efficacy | 130 lm/W [1)] |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | ≤3 sdcm |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 90 ° |
| UGR | < 19 |

1) CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires


© 2026, LEDVANCE GmbH. All rights reserved.



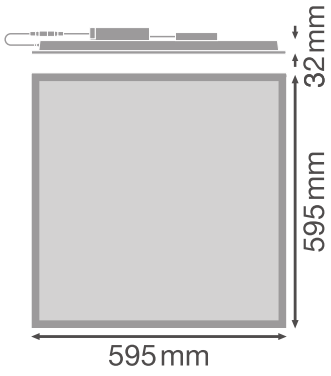

PL CMFT 600 P 33W 840 U19 DALIVR




PL CMFT 600 P 33W 840 U19 DALIVR

## Dimensions & Weight

| | |
|---|---|
| Length | 595.00 mm |
| Width | 595.00 mm |
| Height | 32.00 mm |
| Product weight | 1800.00 g |




PL PFM PL FLEX


© 2026, LEDVANCE GmbH. All rights reserved.

## 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 | Yes |
| IoT ready | Support of DALI data type PART 251, 252, 253 [1)] |
| Mounting type | Recessed/Suspended/Surface |
| Mounting location | Ceiling |
| Application environment | Indoor |
| Mounting length | 575 mm |
| Mounting width | 575 mm |
| Mounting depth | 50,0 mm |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | No |

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 100000 h [1)] |
| Lifespan L80/B10 at 25 °C | 70000 h [1)] |
| Lifespan L80/B50 at 25 °C | 70000 h |
| Lifespan L90/B10 at 25 °C | 48000 h [1)] |
| Number of switching cycles | 50000 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)


© 2026, LEDVANCE GmbH. All rights reserved.

## Control gear

| | |
|---|---|
| Output current | 730 mA |
| Output ripple current (100 Hz) | < 5 % |
| ECG - Length | 209,00 mm |
| ECG - Width | 42.5 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 / EL certified driver (0Hz / DC operation) for central battery operation included |
| Wattage in emergency operation mode | 6 W |
| Luminous flux in emergency operation mode | 590 lm |

## 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 |

## Additional product data

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

## 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 |


© 2026, LEDVANCE GmbH. All rights reserved.

| Product image | Product name | EAN |
|---|---|---|
|  | PANEL RECESSED MOUNT CLIPS VAL 4x | 4058075409859 |
|  | PANEL Suspension Kit | 4058075402928 |

## Components for light control

Components Light Control

| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT GROUP DALI-2 TW | 4099854748691 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 | 4058075837485 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 TW | 4058075837508 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW | 4058075837522 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 TW | 4058075837560 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 | 4058075837546 |
|  | PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075837584 |


© 2026, LEDVANCE GmbH. All rights reserved.

| Product image | Product name | EAN |
|---|---|---|
|  | PUSH CONTROL UNIT FM DALI-2 DIM | 4099854846922 |
|  | SURFACE MOUNT FRAME | 4058075843561 |
|  | PUSHBUTTON COUPLER DALI-2 | 4058075837607 |
|  | FLEX CONTROL UNIT IOT DALI-2 HCL TW | 4058075841888 |
|  | FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075841901 |
|  | FLEX CONTROL UNIT DALI-2 TW | 4058075843844 |
|  | FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW | 4058075841925 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION | 4058075837621 |
|  | SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6 | 4099854748714 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION | 4058075841949 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION | 4058075843868 |


© 2026, LEDVANCE GmbH. All rights reserved.

| Product image | Product name | EAN |
|---|---|---|
|  | SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING | 4058075843882 |
|  | HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING | 4058075857537 |
|  | DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM | 4058075843905 |
|  | RELAY DALI-2 RAIL MOUNTING | 4099854709159 |
|  | RELAY DALI-2 CEILING MOUNTING | 4099854709135 |
|  | REPEATER DALI-2 RAIL MOUNTING | 4099854709111 |
|  | REPEATER DALI-2 CEILING MOUNTING | 4099854709098 |

## 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 |
|---|---|---|
| PDF | User instruction / safety instructions | PL CMFT P DALIVR |
| PDF | Legal information | LISO Insert Panel CMFT 600 P DALI and 625 P DALI |


© 2026, LEDVANCE GmbH. All rights reserved.

| | Documents and certificates | Document name |
|---|---|---|
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | EM Insert PL COMFORT |
| PDF | Declarations of conformity | CE Declaration PL CMFT DALI |
| PDF | Declarations of conformity | CE Declaration PL CMFT DALIVR |
| PDF | Declarations of conformity UKCA | UKCA Declaration PL CMFT DALI |
| PDF | Declarations of conformity UKCA | UKCA Declaration PL CMFT DALIVR |
| PDF | Declarations of conformity UKCA | PL COMFT DALIVR |
| PDF | Declarations of conformity UKCA | PL COMFT P DALIVR |
| PDF | EU Data Act | DALI LED Driver and Luminaires |
| PDF | EPD | EPD EN PANEL COMFORT BACKLIT DALI |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | PL CMFT 600 P 33W 840 U19 DALIVR |
| LDT | LDT file (Eulumdat) | PL CMFT 600 P 33W 840 U19 DALIVR |
| ULD | ULD file (DIALux) | PL CMFT 600 P 33W |
| ROLF | ROLF file (RELUX) | PL CMFT 600 P |
| | UGR file (UGR table) | PL CMFT 600 P 33W 840 U19 DALIVR |
| | Light distribution curve type cone | PL CMFT 600 P 33W 840 U19 DALIVR |
| | Light distribution curve type polar | PL CMFT 600 P 33W 840 U19 DALIVR |


© 2026, LEDVANCE GmbH. All rights reserved.

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | PL_CMFT |
| | CAD STEP 3D | PL_CMFT_600 |

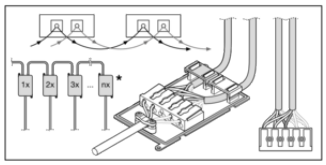
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | PANEL COMFORT 600 UGR19 DALI 33W 840 U19 DALIVR-EN |

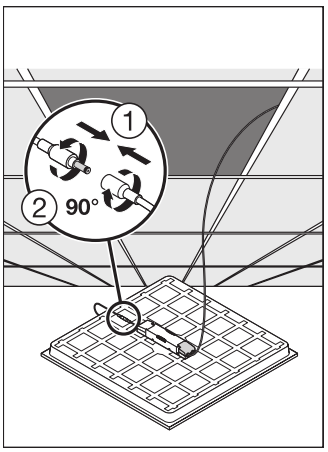
## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854015229 | Folding box<br>1 | 52 mm x 622 mm x 694 mm | 2255.00 g | 22.45 $dm^3$ |
| 4099854015236 | Shipping box<br>4 | 647 mm x 222 mm x 724 mm | 10102.00 g | 103.99 $dm^3$ |

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

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.


© 2026, LEDVANCE GmbH. All rights reserved.