# PRODUCT DATASHEET
# PL CMFT 1200 P 33W 830 U19 PS

PANEL COMFORT 1200 UGR<19 PS | Rectangular recessed panel luminaires with Multi Lumen function and low glare, for 1200 x 300 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 1200 x 300 mm

## Product benefits

- Highly versatile due to selectable lumen steps (Multi Lumen) on the driver
- 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
- 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 $mm^2$
- Luminaire versions available with on-off or IoT-ready DALI-2 driver
- Lifetime (L80/B10): 70,000 h (at 25 °C)


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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 33 W / 28 W / 24 W [1)] |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 150.000 mA |
| Inrush current | 9 A |
| Inrush current time $T_{h50}$ | 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 |
| Maximum total harmonic distortion | < 20 % |
| Protection class | II |
| Operating mode | External LED driver |

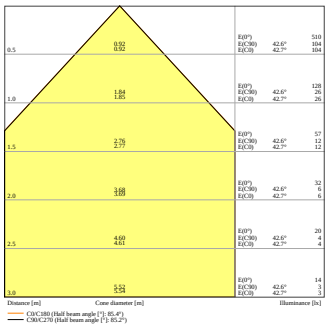
1) For possible options refer to lumen/power table image / CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

## Photometrical data

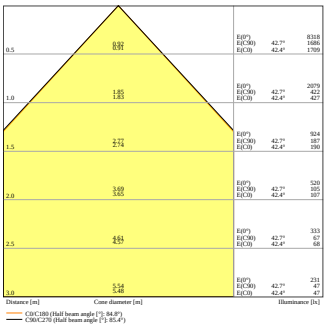
| | |
|---|---|
| Luminous flux | 4320 lm / 3640 lm / 3120 lm [1)] |
| Luminous efficacy | 130 lm/W [1)] |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | ≤3 sdcm |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 90 ° |
| CIE Flux code | 64 89 97 100 100 |
| UGR | < 19 |

1) 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

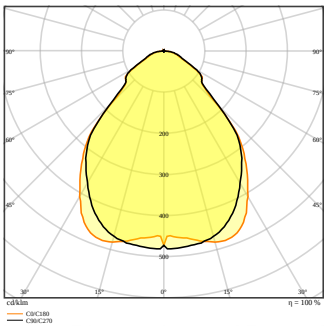

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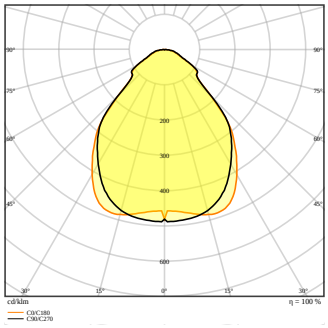
PL CMFT 1200 33W 830 U19 PS EM CONVERSION BOX



PL CMFT 1200 33W 830 U19 PS



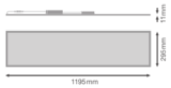
PL CMFT 1200 33W 830 U19 PS EM CONVERSION BOX



PL CMFT 1200 33W 830 U19 PS

## Dimensions & Weight

| | |
|---|---|
| Length | 1195.00 mm |
| Width | 295.00 mm |
| Height | 11.00 mm |
| Product weight | 2940.00 g |



PL COMP 1200

## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |


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| | |
|---|---|
| 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 | 1185 mm |
| Mounting width | 285 mm |
| Mounting depth | 50,0 mm |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | No |

## 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)

## Control gear

| | |
|---|---|
| Output current | 750 mA |
| Output ripple current (100 Hz) | < 5 % |
| ECG - Length | 143 mm |
| ECG - Width | 49 mm |


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| | |
|---|---|
| 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-00012-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

| | |
|---|---|
| Added function | MULTI LUMEN |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | PANEL 1200 CABLE EXT TWIST LOCK | 4099854018510 |
|  | EM CONVERSION BOX | 4058075237025 |
|  | PANEL 1200x300 RECESSED MOUNT FRAME | 4058075472976 |
|  | PANEL 1200 Surface Mount Kit | 4058075108820 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x | 4058075409859 |


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| Product image | Product name | EAN |
|---|---|---|
|  | PANEL Suspension Kit | 4058075402928 |
|  | PANEL 1200 X 300 SF MOUNT KIT H70 VAL | 4099854018497 |

## 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
- Separate DC twist lock cable extension available
- Suitable for use with separate Emergency Conversion Box

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | PL CMFT 1200 P |
| PDF | Legal information | LISO Insert Panel CMFT 1200 P |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | EM Insert PL COMFORT |
| PDF | Declarations of conformity | CE Declaration PL CMFT 1200 PS |
| PDF | Declarations of conformity UKCA | UKCA Declaration PL CMFT PS |
| PDF | EPD | EPD EN PANEL COMFORT EDGELIT DALI |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | IES file (IES) | PL CMFT 1200 33W 830 U19 PS |
| | LDT file (Eulumdat) | PL CMFT 1200 33W 830 U19 PS |
| | ULD file (DIALux) | PL CMFT 1200 P 33W 830 U19 |
| | ROLF file (RELUX) | PL CMFT 1200 P 33W 830 |
| | UGR file (UGR table) | PL CMFT 1200 33W 830 U19 PS EM CONVERSION BOX |
| | UGR file (UGR table) | PL CMFT 1200 33W 830 U19 PS |
| | Light distribution curve type cone | PL CMFT 1200 33W 830 U19 PS EM CONVERSION BOX |
| | Light distribution curve type cone | PL CMFT 1200 33W 830 U19 PS |
| | Light distribution curve type polar | PL CMFT 1200 33W 830 U19 PS EM CONVERSION BOX |
| | Light distribution curve type polar | PL CMFT 1200 33W 830 U19 PS |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | PL_CMFT |
| | CAD STEP 3D | PL_CMFT_1200 |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | PANEL COMFORT 1200 UGR19 PS 33W 830 U19 PS-EN |

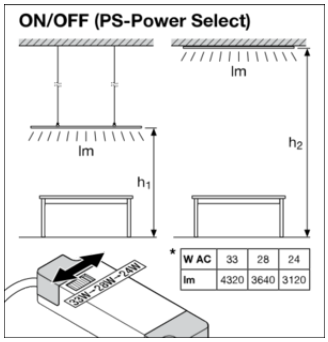
## LOGISTICAL DATA

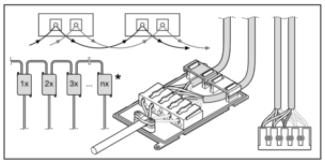
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854004087 | Folding box<br>1 | 37 mm x 344 mm x 1,347 mm | 3392.00 g | 17.14 $dm^3$ |
| 4099854004094 | Shipping box<br>4 | 1,377 mm x 167 mm x 379 mm | 14500.00 g | 87.15 $dm^3$ |

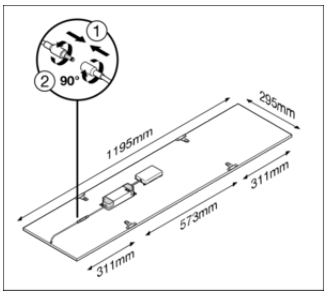
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.


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## ADDITIONAL CATALOG INFORMATION






## References / Links

– For Guarantee see www.ledvance.com/guarantee

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