

# PRODUCT DATASHEET

## PL COMP 1200 V 33W 840 U19

PANEL COMPACT 1200 UGR<19 | Rectangular recessed panel luminaires with low glare, for 1200 x 300 mm ceiling systems



### 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 1200 x 300 mm

### Product benefits

- Good glare reduction (UGR < 19)
- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 110 lm/W
- External driver with an optional 3-pole through-wiring feature
- Versions with DALI ECG available
- 5 years guarantee

### Product features

- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)



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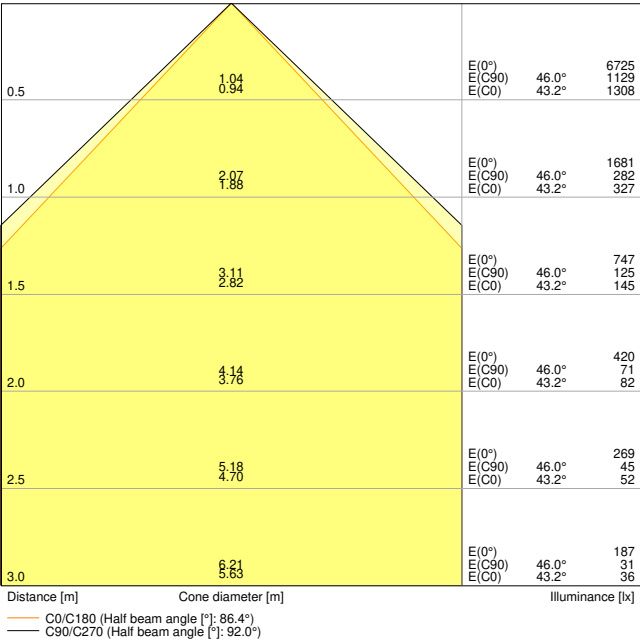
## TECHNICAL DATA

### Electrical data

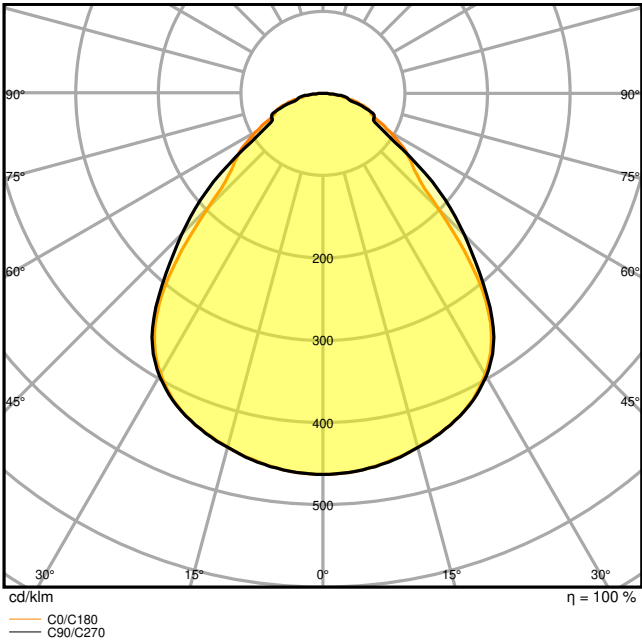
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 33.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 50...60 Hz          |
| Nominal current                                             | 150.000 mA          |
| Inrush current                                              | 12.3 A              |
| Inrush current time $T_{h50}$                               | 52 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 61                  |
| Max. number of luminaires per miniature circuit breaker C10 | 52                  |
| Max. number of luminaires per miniature circuit breaker C16 | 78                  |
| Power factor $\lambda$                                      | > 0.90              |
| Total harmonic distortion                                   | < 10 %              |
| Protection class                                            | II                  |
| Operating mode                                              | External LED driver |

### Photometrical data

|                                              |                            |
|----------------------------------------------|----------------------------|
| Luminous flux                                | 3630 lm                    |
| Luminous efficacy                            | 110 lm/W                   |
| Color temperature                            | 4000 K                     |
| Light color (designation)                    | Cool White                 |
| Color rendering index Ra                     | > 80                       |
| Standard deviation of color matching         | $\leq 5$ sdc <sub>cm</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                       |



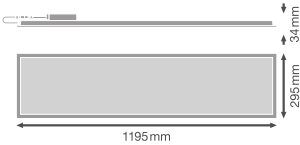
PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX



PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1195.00 mm |
| Width          | 295.00 mm  |
| Height         | 34.00 mm   |
| Product weight | 1790.00 g  |



PL COMP1200 V

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...+45 °C                      |
| Temperature range at storage           | -20...+70 °C                      |
| Type of connection                     | Screwless terminal, 2-Pole (L, N) |
| 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                        | 1190 mm                           |
| Mounting width                         | 290 mm                            |
| Mounting depth                         | 50,0 mm                           |
| Adjustable                             | No                                |
| LED module replaceable                 | Not replaceable                   |
| With light source                      | Yes                               |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 70000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L90/B10 at 25 °C  | 40000 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              | 700 mA   |
| ECG - Output ripple current | < 7 %    |
| ECG - Length                | 116.7 mm |

|                          |                                |
|--------------------------|--------------------------------|
| ECG - Width              | 49.9 mm                        |
| ECG - Height             | 27 mm                          |
| Recommended control gear | LEDV DR DALI-P-44/220-240/1050 |

Certificates & Standards

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| Standards                                            | CE / CB / TÜV / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No                               |
| Ball shot safe                                       | No                               |
| EPD                                                  | LEDV-00008-V01.01-EN             |

Accessories Optional

| Product image                                                                       | Product name                           | EAN           |
|-------------------------------------------------------------------------------------|----------------------------------------|---------------|
|    | CONNECTOR BOX 5POLE L/N/PE/D+/D- 4x    | 4058075473034 |
|   | EM CONVERSION BOX                      | 4058075237025 |
|  | CONNECTOR BOX 5POLE L/N 4x             | 4058075473010 |
|   | PANEL 1200x300 RECESSED MOUNT FRAME    | 4058075472976 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x      | 4058075409859 |
|  | PANEL Suspension Kit                   | 4058075402928 |
|  | PANEL 1200 X 300 SURFACE MOUNT KIT VAL | 4058075472952 |

## EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box
- Connector box with 5-pole terminal for through-wiring separately available for cable cross sections up to 2.5 mm<sup>2</sup>

## DOWNLOAD DATA

| Documents and certificates                                                         |                                 | Document name                                |
|------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|
|    | User Instruction                | UI PL COMP 1200 V                            |
|    | Addon Technical Information     | LISO Insert PL COMP 1200 V                   |
|    | Legal information               | EM Insert PL COMP                            |
|    | Declarations of conformity      | CE Declaration of Conformity PL COMP V       |
|  | Declarations Of Conformity UKCA | UKCA Declaration of Conformity PL COMP V     |
| Photometric and lighting design files                                              |                                 | Document name                                |
|  | IES file (IES)                  | PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX |
|  | LDT file (Eulumdat)             | PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX |
|  | ULD file (DIALux)               | PL COMP 1200 V 33W 840 U19                   |
|  | ROLF file (RELUX)               | PL COMP 1200 V 33W 840 U19                   |
|  | UGR file (UGR table)            | PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX |
|  | LDC typ cone                    | PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX |
|  | LDC typ polar                   | PL COMP 1200 V 33W 840 U19 EM CONVERSION BOX |
| CAD/BIM files                                                                      |                                 | Document name                                |
|  | BIM_Revit_3D                    | Panel Compact                                |

| CAD/BIM files                                                                                | Document name    |
|----------------------------------------------------------------------------------------------|------------------|
|  CAD_STEP_3D | PL COMP 1200x300 |

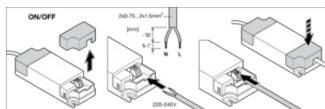
| Tender texts                                                                                      | Document name                           |
|---------------------------------------------------------------------------------------------------|-----------------------------------------|
|  Tender documents | PANEL COMPACT 1200 UGR19 33W 840 U19-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854017209 | Folding box<br>1             | 1,260 mm x 39 mm x 304 mm            | 2279.00 g    | 14.94 dm <sup>3</sup> |
| 4099854017216 | Shipping box<br>4            | 1,277 mm x 172 mm x 328 mm           | 10036.00 g   | 72.04 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.