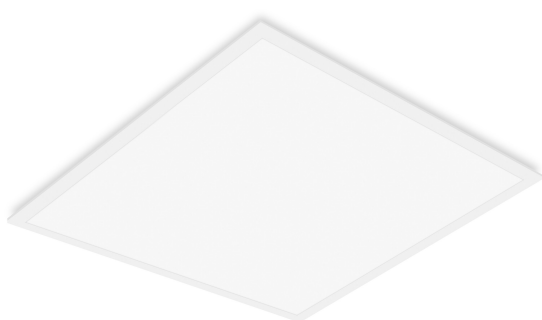


# PRODUCT DATASHEET

## PL COMP 600 V 33W 840 U19

PANEL COMPACT 600 UGR<19 | Square recessed panel luminaire with low glare, for 600 x 600 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 600 x 600 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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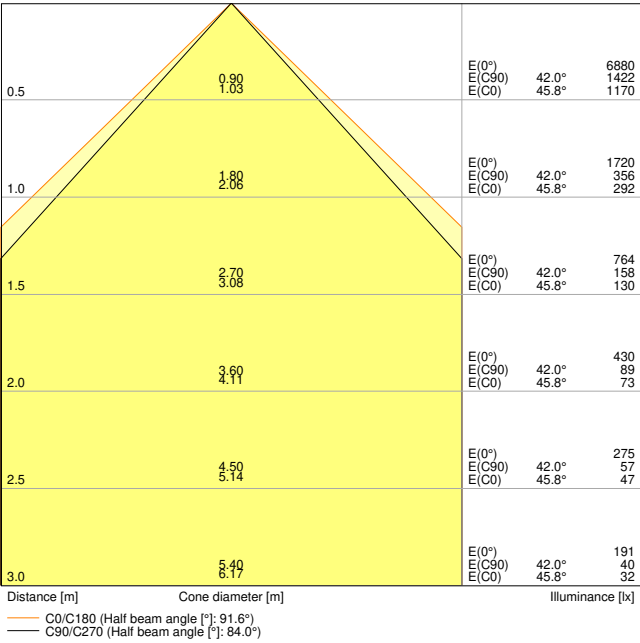
## TECHNICAL DATA

### Electrical data

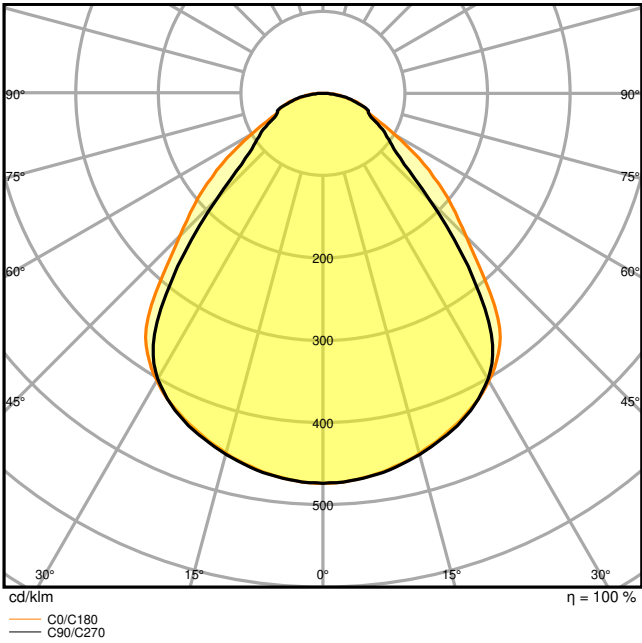
|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 33.00 W             |
| Nominal voltage                                             | 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 | 48                  |
| 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>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                      |



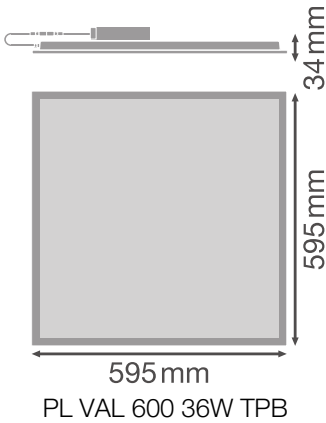
PL COMP 600 V 33W 840 U19 EM CONVERSION BOX



PL COMP 600 V 33W 840 U19 EM CONVERSION BOX

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 32.00 mm  |
| Product weight | 1790.00 g |



PL VAL 600 36W TPB

Materials & Colors

|                                            |                  |
|--------------------------------------------|------------------|
| Product color                              | White            |
| Housing color                              | White            |
| RAL Color (most similar)                   | RAL 9003         |
| 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                        | 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  | 70000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 50000 h               |
| 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                 | 44 mm                          |
| ECG - Height                | 27 mm                          |
| Recommended control gear    | LEDV DR DALI-P-44/220-240/1050 |

### Emergency lighting

|                                           |                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------|
| Type of Emergency Lighting (EL)           | Optional EL unit (battery and controller) for decentral operation available separately |
| Wattage in emergency operation mode       | 5 W                                                                                    |
| Luminous flux in emergency operation mode | 400 lm                                                                                 |

### Certificates & Standards

|                                                      |                                   |
|------------------------------------------------------|-----------------------------------|
| Standards                                            | CE / CB / ENEC / 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           |
|-------------------------------------------------------------------------------------|---------------------------------|---------------|
|  | DR DALI - P - 44/220-240/1050   | 4058075779723 |
|   | DR AY ZB+DALI CLAMP DUO         | 4058075483125 |
|  | EM CONVERSION BOX               | 4058075237025 |
|  | PANEL 600 SURFACE MOUNT KIT H75 | 4058075472914 |

| Product image                                                                      | Product name                        | EAN           |
|------------------------------------------------------------------------------------|-------------------------------------|---------------|
|   | PANEL 600 SURFACE MOUNT KIT H70 VAL | 4058075402843 |
|   | PANEL RECESSED MOUNT CLIPS VAL 4x   | 4058075409859 |
|    | PANEL 600 RECESSED MOUNT FRAME      | 4058075402881 |
|   | PANEL Suspension Kit                | 4058075402928 |
|  | CONNECTOR BOX 5POLE L/N 4x          | 4058075473010 |

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with seperate Emergency Conversion Box

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name                      |
|-------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | UI PANEL COMPACT 2CCT              |
|  | Legal information                      | LISO Insert PL COMP 600 V          |
|  | Legal information                      | EM Insert PL COMP                  |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |

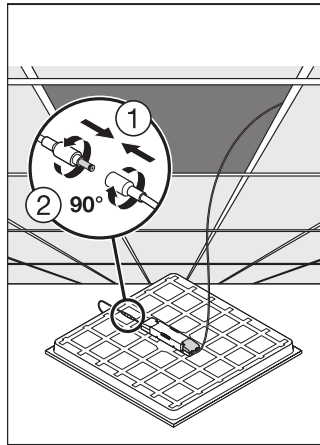
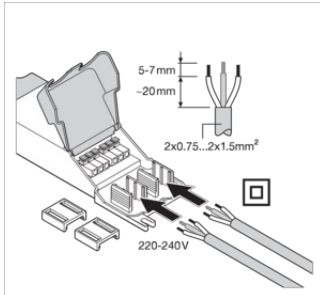
| Documents and certificates                                                          |                                     | Document name                               |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------|
|    | Declarations of conformity          | CE Declaration of Conformity PL COMP V      |
|    | Declarations of conformity UKCA     | UKCA Declaration of Conformity PL COMP V    |
|    | Certificates                        | PL COMP                                     |
| Photometric and lighting design files                                               |                                     | Document name                               |
|    | IES file (IES)                      | PL COMP 600 V 33W 840 U19 EM CONVERSION BOX |
|    | LDT file (Eulumdat)                 | PL COMP 600 V 33W 840 U19 EM CONVERSION BOX |
|    | ULD file (DIALux)                   | PL COMP 600 V 33W 840                       |
|    | ROLF file (RELUX)                   | PL COMP 600 V 33W 840 U19                   |
|   | UGR file (UGR table)                | PL COMP 600 V 33W 840 U19 EM CONVERSION BOX |
|  | Light distribution curve type cone  | PL COMP 600 V 33W 840 U19 EM CONVERSION BOX |
|  | Light distribution curve type polar | PL COMP 600 V 33W 840 U19 EM CONVERSION BOX |
| CAD/BIM files                                                                       |                                     | Document name                               |
|  | BIM Revit 3D                        | Panel Compact                               |
|  | CAD STEP 3D                         | PL COMP 600                                 |
| Tender texts                                                                        |                                     | Document name                               |
|  | Tender documents                    | PANEL COMPACT 600 UGR19 33W 840 U19-EN      |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854017223 | Folding box<br>1             | 602 mm x 37 mm x 662 mm              | 2220.00 g    | 14.75 dm³ |
| 4099854017230 | Shipping box<br>4            | 677 mm x 164 mm x 628 mm             | 9790.00 g    | 69.73 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.