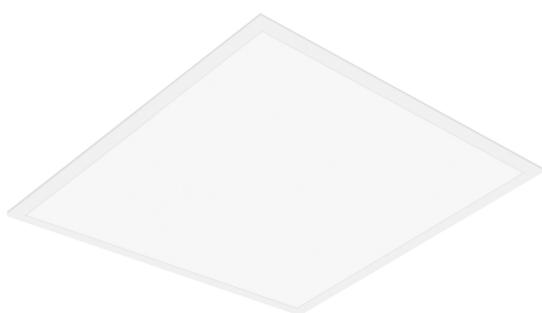


# PRODUCT DATASHEET

## PL COMP 600 V 33W 840 DALI

PANEL COMPACT 600 DALI | Square recessed panel luminaire, for 600 x 600 mm ceiling systems and DALI-2 technology



### 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

- Low flicker light thanks to special electronic control gear
- External driver for extended flexibility and easy installation
- Suitable for emergency lighting
- 5 years guarantee

### Product features

- Suitable for central battery emergency installations acc. to EN 60598-2-22
- Push DIM function for dimming and switching directly on a pushbutton
- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)



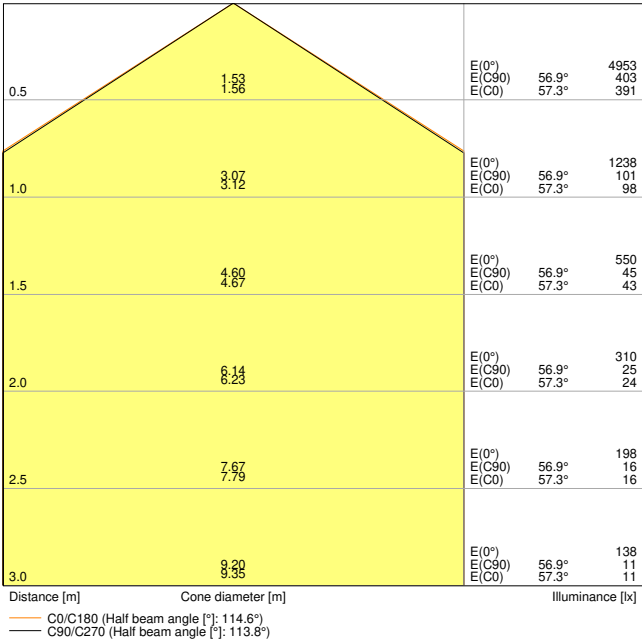
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**TECHNICAL DATA****Electrical data**

|                                                             |                     |
|-------------------------------------------------------------|---------------------|
| Nominal wattage                                             | 33.00 W             |
| Nominal voltage                                             | 220...240 V         |
| Mains frequency                                             | 0/50/60 Hz          |
| Nominal current                                             | 190.000 mA          |
| Inrush current                                              | 1.7 A               |
| Inrush current time $T_{h50}$                               | 52 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 83                  |
| Max. number of luminaires per miniature circuit breaker C10 | 52                  |
| Max. number of luminaires per miniature circuit breaker C16 | 83                  |
| 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                                   | 120 °                      |



LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 32.00 mm  |
| Product weight | 1543.00 g |



## Materials & Colors

|                                            |                  |
|--------------------------------------------|------------------|
| Product color                              | White            |
| Housing color                              | White            |
| 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...+45 °C                               |
| Temperature range at storage           | -20...+70 °C                               |
| Type of connection                     | Screwless terminal, 4-Pole (L,N, DA+, DA-) |
| Type of protection                     | IP40/IP20                                  |
| Protection class IK (shock resistance) | IK02                                       |
| Dimmable                               | Yes                                        |
| Type of dimming                        | DALI2                                      |
| 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                                         |
| 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                | 168 mm                                                                     |
| ECG - Width                 | 44 mm                                                                      |
| ECG - Height                | 32 mm                                                                      |
| Recommended control gear    | LEDV DR DALI-P-44/220-240/1050; Tridonic LCA 45W 500-1400mA one4all SC PRE |

### Emergency lighting

|                                           |        |
|-------------------------------------------|--------|
| Wattage in emergency operation mode       | 5 W    |
| Luminous flux in emergency operation mode | 400 lm |

### 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             |

### 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                                                         |                                 |
|------------------------------------------------------------------------------------|---------------------------------|
|  | User instruction                |
|  | Addon Technical Information     |
|  | Packaging insert                |
|  | Declarations Of Conformity CE   |
|  | Declarations Of Conformity UKCA |

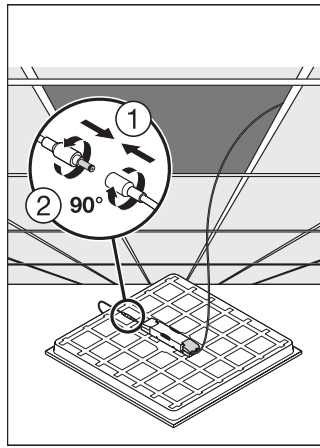
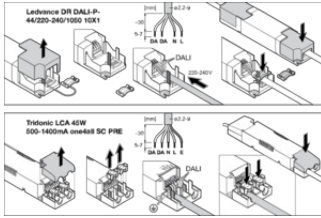
| Documents and certificates                                                          |                      |
|-------------------------------------------------------------------------------------|----------------------|
|    | PEP Ecopassport      |
| Photometric and lighting design files                                               |                      |
|    | IES file (IES)       |
|    | LDT file (Eulumdat)  |
|    | ULD file (DIALux)    |
|    | ROLF file (RELUX)    |
|    | UGR file (UGR table) |
|    | LDC typ cone         |
|    | LDC typ polar        |
| CAD/BIM files                                                                       |                      |
|  | BIM_Revit_3D         |
|  | CAD_STEP_3D          |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854017926 | Folding box<br>1             | 37 mm x 600 mm x 660 mm              | 1907.00 g    | 14.65 dm³ |
| 4099854017933 | Shipping box<br>4            | 680 mm x 168 mm x 625 mm             | 8558.00 g    | 71.40 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.