# PRODUCT DATASHEET
# PL COMP 600 DA V 26W 830 U19

PANEL COMPACT 600 DALI | Square recessed panel luminaire with DALI-2 IoT driver, 600 x 600 mm



VALUE CLASS

## Areas of application

- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

## Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- High color consistency with SDCM 3
- Through-wiring possible
- Versions with reduced glare (U19) for office applications available
- Suitable for central battery emergency installations acc. to EN 60598-2-22

## Product features

- IoT-ready luminaire with DALI-2 technology
- Extruded aluminum frame, metal housing
- Polystyrene diffuser - TP(a) rated (UK)
- Lifetime (L80/B10): up to 75,000 h (at 25 °C)
- 5-pole terminal block, cable cross section up to 5 x 2.5 $mm^2$
- Type of protection: IP50 (panel luminaire), IP20 (driver)


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# TECHNICAL DATA

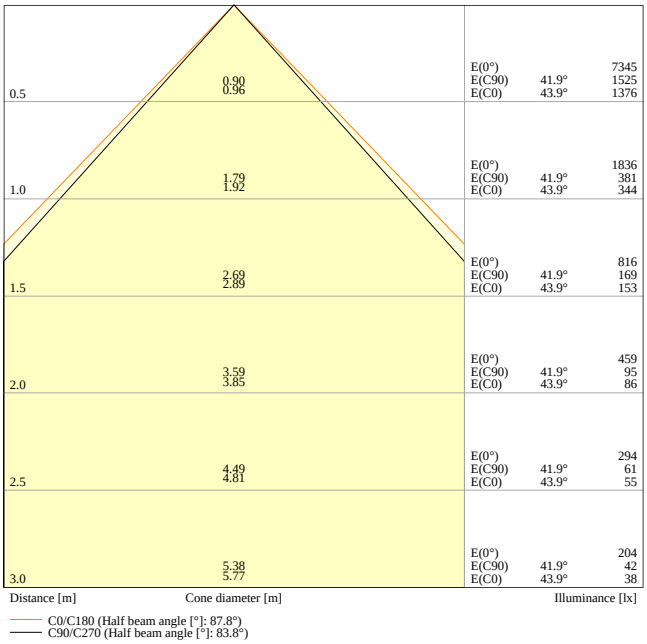
## Electrical data

| | |
|---|---|
| Nominal wattage | 26.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 120.000 mA |
| Inrush current | 5.32 A |
| Inrush current time $T_{h50}$ | 34 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 47 |
| Max. number of luminaires per miniature circuit breaker C10 | 29 |
| Max. number of luminaires per miniature circuit breaker C16 | 47 |
| Power factor λ | 0.90 |
| Maximum total harmonic distortion | < 5 % |
| Protection class | II |
| Surge capability (L-N) | 1000 V |
| Operating mode | External LED driver |
| Dimming interface | DALI-2 / IoT / Push-DIM |

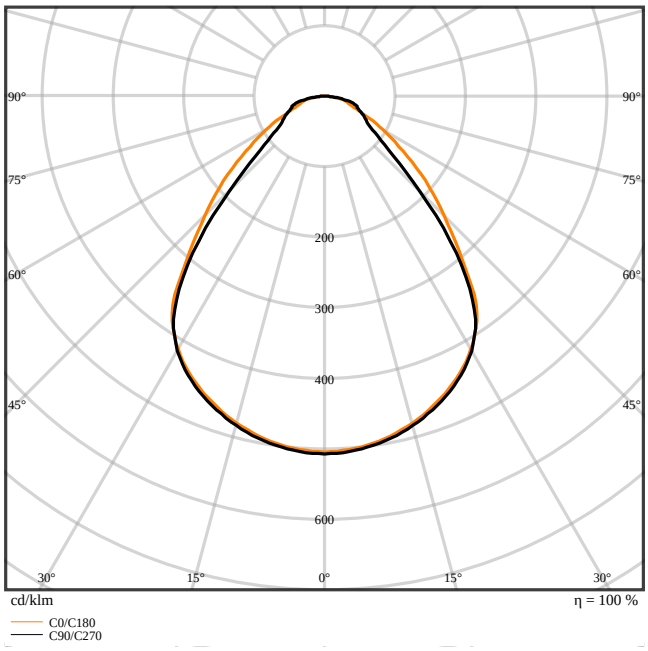
## Photometrical data

| | |
|---|---|
| Luminous flux | 3640 lm |
| Luminous efficacy | 140 lm/W |
| 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 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 90 ° |
| UGR | < 19 |


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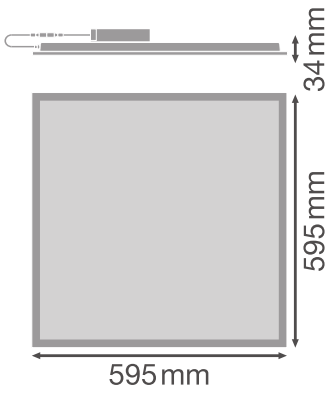

PL COMP 600 DA V 26W 830 U19 3640lm




PL COMP 600 DA V 26W 830 U19 3640lm

## Dimensions & Weight

| | |
|---|---|
| Length | 595.00 mm |
| Width | 595.00 mm |
| Height | 34.00 mm |
| Product weight | 1640.00 g |




PL 600


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## 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 |
| Type of protection | IP50/IP20 |
| Protection class IK (shock resistance) | IK02 |
| Dimmable | Yes |
| Type of dimming | DALI-2 |
| Dimming range | 1…100 % |
| 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 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 | 75000 h [1)] |
| Lifespan L80/B50 at 25 °C | 75000 h |
| Lifespan L90/B10 at 25 °C | 35000 h [1)] |


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| | |
|---|---|
| Number of switching cycles | 100000 |

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 | 700 mA |
| Output ripple current (100 Hz) | 5 % |
| ECG - Length | 105.00 mm |
| ECG - Width | 45.00 mm |
| ECG - Height | 25,0 mm |
| Recommended control gear | DR DALI-P-42/220-240/1A0 |

## Emergency lighting

| | |
|---|---|
| Type of Emergency Lighting (EL) | EL certified driver (0Hz / DC operation) for central battery operation included / Optional EL unit (battery and controller) for decentral operation available separately |
| Wattage in emergency operation mode | 4 W |
| Luminous flux in emergency operation mode | 500 lm |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / ENEC / UKCA / EAC / EL / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00075-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

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

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | PANEL 600 SURFACE MOUNT KIT H75 | 4058075472914 |
|  | PANEL 600 SURFACE MOUNT KIT H75 BK | 4058075834330 |


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| Product image | Product name | EAN |
|---|---|---|
|  | PANEL 600 SURFACE MOUNT KIT H70 VAL | 4058075402843 |
|  | PANEL 600 RECESSED MOUNT FRAME | 4058075402881 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x | 4058075409859 |
|  | PANEL Suspension Kit | 4058075402928 |

## 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
- Replacement driver separately available

## Upgrade and replacement components

Components EL Battery

| Product image | Product name | EAN |
|---|---|---|
|  | EL KIT COMP 55V 4W LI MT AT 3H WT | 4058075860711 |

Components Driver

| Product image | Product name | EAN |
|---|---|---|
|  | DR DALI-P -42/220-240/1A0 | 4058075845381 |


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## 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 |
|  | PUSH CONTROL UNIT FM DALI-2 DIM | 4099854846922 |
|  | SURFACE MOUNT FRAME | 4058075843561 |
|  | PUSHBUTTON COUPLER DALI-2 | 4058075837607 |


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| Product image | Product name | EAN |
|---|---|---|
|  | 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 |
|  | 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 |


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| Product image | Product name | EAN |
|---|---|---|
|  | RELAY DALI-2 RAIL MOUNTING | 4099854709159 |
|  | RELAY DALI-2 CEILING MOUNTING | 4099854709135 |
|  | REPEATER DALI-2 RAIL MOUNTING | 4099854709111 |
|  | REPEATER DALI-2 CEILING MOUNTING | 4099854709098 |

## Safety advice

- All electrical connections must be made by a qualified person.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- 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 | G11256086 PL COMP |
| PDF | Addon technical information | Panel accessories compatibility overview |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | LSI PANEL COMPACT GEN2 600 625 |
| PDF | Legal information | PL COMP |
| PDF | Legal information | Legal Insert |
| PDF | Legal information | Safety Insert G11207793 |
| PDF | Declarations of conformity | PANEL COMPACT |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity UKCA | PANEL COMPACT |
| PDF | EPD | EPD_FR_PANEL COMPACT GEN 2 |
| PDF | EPD | EPD_EN_PANEL COMPACT GEN 2 |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | PL COMP 600 DA V 26W 830 U19 3640lm |
| LDT | LDT file (Eulumdat) | PL COMP 600 DA V 26W 830 U19 3640lm |
| ULD | ULD file (DIALux) | PL COMP 600 DA V 26W 830 U19 |
| ROLF | ROLF file (RELUX) | PL COMP 600 DA V 26W 830 U19 |
| | UGR file (UGR table) | PL COMP 600 DA V 26W 830 U19 3640lm |
| | Light distribution curve type cone | PL COMP 600 DA V 26W 830 U19 3640lm |
| | Light distribution curve type polar | PL COMP 600 DA V 26W 830 U19 3640lm |

| | CAD/BIM files | Document name |
|---|---|---|
| RFA | BIM Revit 3D | Panel Compact G2 |
| STEP | CAD STEP 3D | PL COMP G2 600 |

| | Tender texts | Document name |
|---|---|---|
| TXT | Tender documents | PANEL COMPACT 600 DALI 26W 830 U19-en |

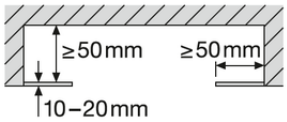
## LOGISTICAL DATA

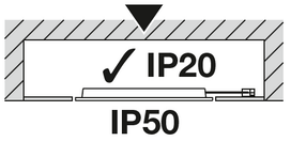
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854734809 | Folding box<br>1 | 40 mm x 602 mm x 669 mm | 2023.00 g | 16.11 $dm^3$ |
| 4099854734816 | Shipping box<br>4 | 620 mm x 180 mm x 695 mm | 9052.00 g | 77.56 $dm^3$ |


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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



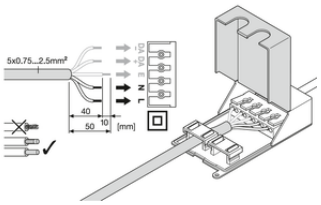



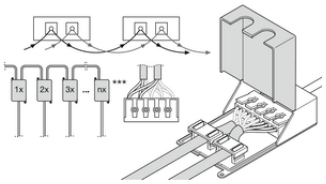




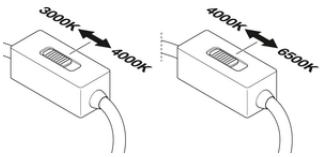


| PANEL COMPACT 600 /625 | DRIVER | W | $I_{out}$ (mA) | lm | lm/W |
|---|---|---|---|---|---|
| PL COMP 600/625 26W 830 840 | DR DS-V-26/220-240/700 PL COMP EAN 4099854748813 | 26 | 700 | 3640 | 140 |
| PL COMP 600/625 DA 26W 830 840 | DR DALI-P-42/220-240/1A0 EAN 4058075845381 | 26 | 700 | 3640 | 140 |
| PL COMP 600/625 30WML 830/840/865/930/940 | DR DS-V-30/220-240/800 PL COMP EAN 4099854748837 | 30 | 800 | 4200 | 140 |
| | | 26 | 700 | 3640 | 140 |
| | | 22 | 600 | 3080 | 140 |
| PL COMP 600/625 DA 30W 830/840/865 | DR DALI-P-42/220-240/1A0 EAN 4058075845381 | 30 | 800 | 4200 | 140 |
| PL COMP 600/625 DA 30W 930/940 | | 30 | 800 | 4050 | 135 |




**PL Compact 600/625 30W**




## References / Links

– For Guarantee see www.ledvance.com/guarantee

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