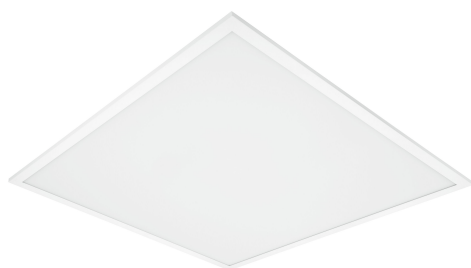


PRODUCT DATASHEET

PANEL 600 IP54 36 W 3000 K OP WT

PANEL 600 IP54 | Square recessed panel luminaires with IP54 protection and high luminous flux, 600 x 600 mm



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Hospitals
- Laboratories
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Kitchens, workspaces

Product benefits

- Suitable for use in dusty and damp locations thanks to high IP rating
- High lumen output reduces the total number of panels per installation
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Low flicker light thanks to special electronic control gear
- 5 years guarantee
- Versions with DALI ECG available

Product features

- Type of protection: IP54
- Luminous flux: up to 4,320 lm
- High luminous efficacy: up to 120 lm/W
- Lifetime (L80/B50): up to 60,000 h (at 25 °C)



– Aluminum housing, PMMA diffuser

TECHNICAL DATA

Electrical data

| | |
|---|---------------------|
| Nominal wattage | 36.00 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50/60 Hz |
| Nominal current | 190.000 mA |
| Inrush current | 15.0 A |
| Inrush current time T_{h50} | 460 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 17 |
| Max. number of luminaires per miniature circuit breaker C10 | 35 |
| Max. number of luminaires per miniature circuit breaker C16 | 56 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | 20 % |
| Protection class | II |
| Operating mode | External LED driver |

Photometrical data

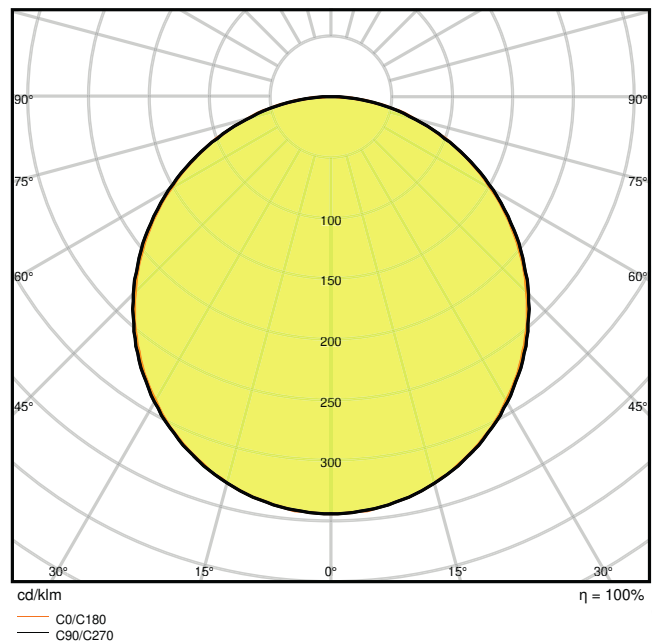
| | |
|--|--------------------|
| Luminous flux | 4320 lm |
| Luminous efficacy | 120 lm/W |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | 3 sdc _m |
| Luminous intensity | - |
| Low flicker | Yes |
| Flickering metric (Pst LM) | - |
| Stroboscope effect metric (SVM) | - |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |

| | | |
|-----|--------------|---------------------------------------|
| 0.5 | 1.52 1.51 | E(0°) 5944 E(C90) 492 E(C0) 504 |
| 1.0 | 3.04 3.01 | E(0°) 1486 E(C90) 123 E(C0) 126 |
| 1.5 | 4.57 4.52 | E(0°) 660 E(C90) 55 E(C0) 56 |
| 2.0 | 6.09 6.02 | E(0°) 372 E(C90) 31 E(C0) 32 |
| 2.5 | 7.61 7.53 | E(0°) 238 E(C90) 20 E(C0) 20 |
| 3.0 | 9.13 9.03 | E(0°) 165 E(C90) 14 E(C0) 14 |

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half beam angle [°]: 112.8°)
— C90/C270 (Half beam angle [°]: 113.4°)

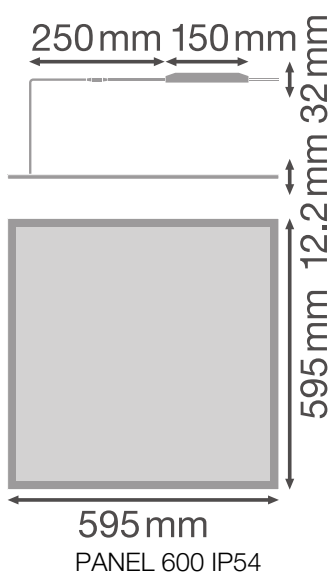
Panel 600 36W 3000K OP IP54



Panel 600 36W 3000K OP IP54

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 595.00 mm |
| Width | 595.00 mm |
| Height | 12.60 mm |
| Product weight | 3200.00 g |



Materials & Colors

| | |
|--|-------------------------------|
| Product color | White |
| Housing color | White |
| Body material | Steel |
| Cover material | Polymethylmethacrylate (PMMA) |
| Light emitting surface material | PMMA |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

Application & Mounting

| | |
|--|------------------------------|
| Ambient temperature range | -10...+45 °C |
| Type of connection | Screw terminal, 2-Pole (L,N) |
| Type of protection | IP54/IP20 |
| Protection class IK (shock resistance) | IK03 |
| Dimmable | No |
| Mounting type | Recessed/Suspended/Surface |
| Mounting location | Ceiling / Wall |
| Application environment | Indoor |
| Mounting length | 575 mm |
| Mounting width | 575 mm |
| Mounting depth | 50,0 mm |
| With light source | Yes |

Lifespan

| | |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 70000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 60000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 60000 h |
| Lifespan L90/B10 at 25 °C | 35000 h |
| Number of switching cycles | 25000 |

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear







| | |
|--------------|---------|
| ECG - Length | 150 mm |
| ECG - Width | 41.4 mm |

| | |
|--------------|-------|
| ECG - Height | 30 mm |
|--------------|-------|

Certificates & Standards

| | |
|--|--------------------------------|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| Replaceable light source (EPREL) | Not replaceable |

















Accessories Optional


| Product image | Product name | EAN |
|---|-------------------------------------|---------------|
|  | CONNECTOR BOX 5POLE L/N 4x | 4058075473010 |
|  | PANEL RECESSED MOUNT CLIPS VAL 4x | 4058075409859 |
|  | PANEL 600 RECESSED MOUNT FRAME | 4058075402881 |
|  | PANEL 600 SURFACE MOUNT KIT H70 VAL | 4058075402843 |
|  | PANEL 600 SURFACE MOUNT KIT H75 | 4058075472914 |
|  | PANEL Suspension Kit | 4058075402928 |


EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|--|--|
|  | User instruction / safety instructions | PL OP IP54 |
|  | Legal information | PL OP IP54 |
|  | Legal information | Legal insert DL UGR19 PFM |
|  | Declarations of conformity | Attestation of Conformity Panel 36W OP IP54 TÜV |
|  | Declarations of conformity | Attestation of conformity PANEL |
|  | Declarations of conformity | Declaration of Conformity Panel 600 625 MP OP LEDV |
|  | Declarations of conformity UKCA | PANEL 600 |
|  | Certificates | Certificates ENEC and TUV PANEL |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | Panel 600 36W 3000K OP IP54 |
|  | LDT file (Eulumdat) | Panel 600 36W 3000K OP IP54 |
|  | ULD file (DIALux) | PANEL600IP5436W3000KOPIP54WT |
|  | ROLF file (RELUX) | PL 600 34W-3000K |
|  | UGR file (UGR table) | Panel 600 36W 3000K OP IP54 |
|  | Light distribution curve type cone | Panel 600 36W 3000K OP IP54 |
|  | Light distribution curve type polar | Panel 600 36W 3000K OP IP54 |
| CAD/BIM files | | Document name |
|  | BIM Revit 3D | Panel IP54 |

| CAD/BIM files | Document name |
|--|---------------|
|  CAD STEP 3D | PL IP54 600 |

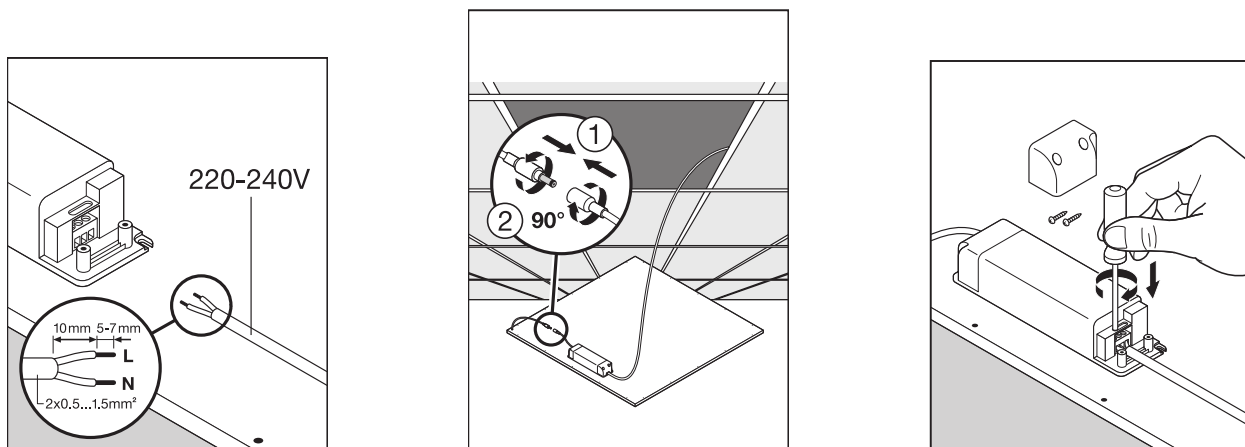
| Tender texts | Document name |
|---|-------------------------------------|
|  Tender documents | PANEL 600 IP54 36 W 3000 K OP WT-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075149489 | Folding box 1 | 625 mm x 62 mm x 635 mm | 3495.00 g | 24.61 dm ³ |
| 4058075149496 | Shipping box 4 | 650 mm x 270 mm x 645 mm | 14830.00 g | 113.20 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.

ADDITIONAL CATALOG INFORMATION



References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.