

# PRODUCT DATASHEET

## Panel Essential 60x60cm 50W CCT UGR19

Essentials Panel | Essential Panels for basic user purposes

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### Areas of application

- Living areas



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### Product benefits

- Homogenous light distribution
- Easy and quick installation
- 2 in 1 Design: recessed mounting or surface mounting with add-on kit
- Surface mounting frame for 60 x 60 Panel for Screwless mounting

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### Product features

- Wall and ceiling luminaire
- Recess panel can be used as a surface panel when frame set is bought separately



## TECHNICAL DATA

### Electrical data

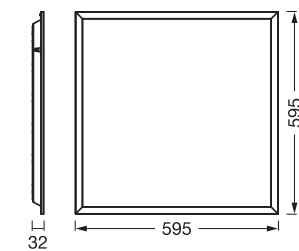
|                                                             |               |
|-------------------------------------------------------------|---------------|
| Nominal wattage                                             | 50.00 W       |
| Nominal voltage                                             | 220...240 V   |
| Mains frequency                                             | 50...60 Hz    |
| Nominal current                                             | 235.000 mA    |
| Inrush current                                              | 0.235 A       |
| Inrush current time $T_{h50}$                               | 700 $\mu$ s   |
| Max. number of luminaires per miniature circuit breaker B16 | 13            |
| Max. number of luminaires per miniature circuit breaker C16 | 21            |
| Power factor $\lambda$                                      | > 0.90        |
| Total harmonic distortion                                   | < 20 %        |
| Protection class                                            | II            |
| Operating mode                                              | Mains voltage |

### Photometrical data

|                                                |                                         |
|------------------------------------------------|-----------------------------------------|
| Luminous flux                                  | 4500 lm                                 |
| Total luminous flux of contained light sources | 5800 lm                                 |
| Luminous efficacy                              | 90 lm/W                                 |
| Color temperature                              | 3000...6500 K                           |
| Light color (designation)                      | Warm White / Cool White / Cool Daylight |
| Color rendering index Ra                       | > 80                                    |
| Standard deviation of color matching           | < 6 sdcm                                |
| Flickering metric (Pst LM)                     | < 1                                     |
| Stroboscope effect metric (SVM)                | < 0.4                                   |
| Photobiological safety group acc. to EN62778   | RG0                                     |
| Beam angle                                     | 90 °                                    |
| UGR                                            | 19                                      |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 32.00 mm  |
| Product weight | 1620.00 g |



PANEL ESSENTIAL 60X60CM

Materials & Colors

|                                            |                  |
|--------------------------------------------|------------------|
| Product color                              | White            |
| Housing color                              | White            |
| Body material                              | Aluminum         |
| Cover material                             | Polystyrene (PS) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C           |

Application & Mounting

|                              |                         |
|------------------------------|-------------------------|
| Ambient temperature range    | -10...+50 °C            |
| Temperature range at storage | -20...+80 °C            |
| Type of connection           | Terminal, 2-Pole (L, N) |
| Type of protection           | IP20                    |
| Dimmable                     | No                      |
| Mounting type                | Surface                 |
| Mounting location            | Ceiling                 |
| Application environment      | Indoor                  |
| With light source            | Yes                     |
| Replaceable light source     | No                      |

Lifespan

|                           |                       |
|---------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 30000 h <sup>1)</sup> |
|---------------------------|-----------------------|

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

Certificates & Standards

|                                                      |    |
|------------------------------------------------------|----|
| Standards                                            | CE |
| Luminaire with limited surface temperature, "D sign" | No |

Replaceable light source (EPREL)

Not replaceable

## EQUIPMENT / ACCESSORIES

- Driver included
- For recessed mounting (surface or pendant mounting requires mounting accessories)

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.
- Check wall-ceiling for suitability. If uncertain, seek professional advice.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name   |
|------------------------------------------------------------------------------------|----------------------------------------|-----------------|
|   | User instruction / safety instructions | PANEL ESSENTIAL |
|  | Declarations of conformity             | PANEL ESSENTIAL |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075845213 | Folding box<br>1             | 36 mm x 600 mm x 645 mm              | 1984.00 g    | 13.93 dm <sup>3</sup> |
| 4058075845220 | Shipping box<br>4            | 620 mm x 165 mm x 670 mm             | 9054.00 g    | 68.54 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.

## DISCLAIMER

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