

# PRODUCT DATASHEET

## PL FLEX 625 S 32W 840 U19 PS

PANEL FLEX 625 UGR<19 PS | Square recessed panel luminaire with power select feature and low glare, for 625 x 625 mm ceiling systems



### Areas of application

- Suitable for recessed ceiling systems with grid size of 625 x 625 mm
- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

### Product benefits

- Highly versatile due to selectable power steps (Power Select - PS) on the driver and up to 5220 lm
- Energy savings thanks to high system efficacy: up to 170 lm/W
- Good glare reduction ( $UGR \leq 19$ )
- High color consistency with SDCM 3
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Decentral emergency lighting possible with separately available LEDVANCE Emergency Conversion Box
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- 7 years guarantee

### Product features

- Lifetime (L80/B10): 100,000 h (at 25 °C), (L90/B10): 50,000 h (at 25 °C)



- Suitable for central battery emergency installations acc. to EN 60598-2-22
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup>
- Extruded aluminum frame, metal housing
- Polystyrene diffuser
- Luminaire versions with IoT-ready DALI-2 driver available

## TECHNICAL DATA

### Electrical data

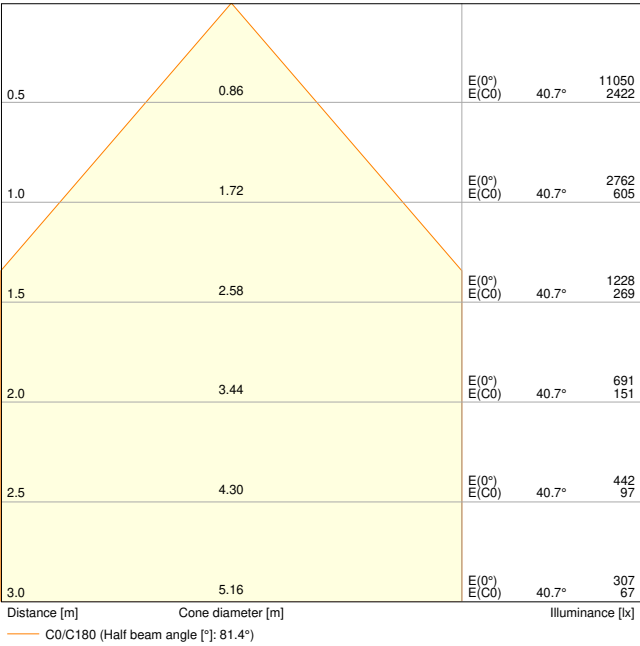
|                                                             |                                         |
|-------------------------------------------------------------|-----------------------------------------|
| Nominal wattage                                             | 32 W / 27 W / 22 W / 17 W <sup>1)</sup> |
| Nominal voltage                                             | 220...240 V                             |
| Mains frequency                                             | 50...60 Hz                              |
| Nominal current                                             | 145.000 mA                              |
| Inrush current                                              | 11.1 A                                  |
| Inrush current time T <sub>h50</sub>                        | 600 µs                                  |
| Max. number of luminaires per miniature circuit breaker B16 | 12                                      |
| Max. number of luminaires per miniature circuit breaker C10 | 13                                      |
| Max. number of luminaires per miniature circuit breaker C16 | 21                                      |
| Power factor $\lambda$                                      | > 0.90                                  |
| Total harmonic distortion                                   | < 15 %                                  |
| Protection class                                            | II                                      |
| Operating mode                                              | External LED driver                     |

<sup>1)</sup> The Panel Flex family is fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

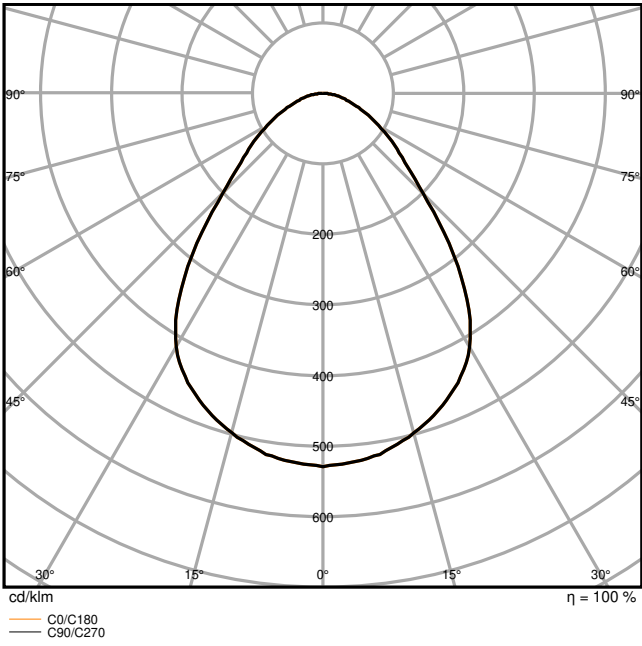
### Photometrical data

|                                              |                                                         |
|----------------------------------------------|---------------------------------------------------------|
| Luminous flux                                | 5220 lm / 4460 lm / 3680 lm / 2890 lm <sup>1)</sup>     |
| Luminous efficacy                            | 163 lm/W / 165 lm/W / 167 lm/W / 170 lm/W <sup>1)</sup> |
| Color temperature                            | 4000 K                                                  |
| Light color (designation)                    | Cool White                                              |
| Color rendering index Ra                     | > 80                                                    |
| Standard deviation of color matching         | ≤3 sdcn                                                 |
| 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                                                    |

<sup>1)</sup> The Panel Flex family is fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires



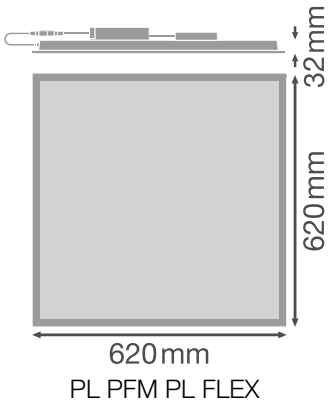
PL FLEX 625 S 32W 4000K U19 5220lm



PL FLEX 625 S 32W 4000K U19 5220lm

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 620.00 mm |
| Width          | 620.00 mm |
| Height         | 32.00 mm  |
| Product weight | 1700.00 g |



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           |
| Mercury content                            | 0.0 mg           |

### Application & Mounting

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Ambient temperature range              | -10...+50 °C                                    |
| Temperature range at storage           | -20...+80 °C                                    |
| Type of connection                     | Screwless terminal, 5-Pole (L, N, PE, DA+, DA-) |
| 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                        | 620 mm                                          |
| Mounting width                         | 620 mm                                          |
| Mounting depth                         | 50 mm                                           |
| Adjustable                             | No                                              |
| With light source                      | Yes                                             |
| Replaceable light source               | No                                              |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 50000 h                |
| Number of switching cycles | 100000                 |

<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              | 750 mA |
| ECG - Output ripple current | < 5 %  |
| ECG - Length                | 125 mm |

|                          |                                    |
|--------------------------|------------------------------------|
| ECG - Width              | 60 mm                              |
| ECG - Height             | 30 mm                              |
| Recommended control gear | DR DS-P-32/220-240/750 PL FLEX 625 |

### Emergency lighting

|                                 |                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of Emergency Lighting (EL) | Optional EL unit (battery and controller) for decentral operation available separately / EL certified driver (0Hz / DC operation) for central battery operation included |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Certificates & Standards

|                                                      |                                        |
|------------------------------------------------------|----------------------------------------|
| Standards                                            | CE / CB / ENEC / UKCA / EAC / EPD / EL |
| Luminaire with limited surface temperature, "D sign" | No                                     |
| Ball shot safe                                       | No                                     |
| Replaceable light source (EPREL)                     | By the end consumer                    |

### Additional product data

|                |              |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|

### Accessories Optional

| Product image                                                                       | Product name                        | EAN           |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------|
|  | DR DS-P- 32/220-240/750 PL FLEX 625 | 4058075843691 |
|  | PANEL 625 SURFACE MOUNT KIT H70 VAL | 4058075402867 |
|   | PANEL 625 RECESSED MOUNT FRAME      | 4058075402904 |
|  | EM CONVERSION BOX                   | 4058075237025 |
|  | PANEL Suspension Kit                | 4058075402928 |

| Product image                                                                     | Product name                      | EAN           |
|-----------------------------------------------------------------------------------|-----------------------------------|---------------|
|  | PANEL RECESSED MOUNT CLIPS VAL 4x | 4058075409859 |
|  | OTi DALI 50/220...240/1A4 NFC     | 4062172061889 |

## EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box
- Serviceable luminaire: Upgrades and replacements available

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | PANEL FLEX                         |
|  | Legal information                      | LSI PANEL FLEX                     |
|  | Legal information                      | Legal Insert PL FLEX               |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | EM Insert PL FLEX                  |
|  | Declarations of conformity             | PL FLEX                            |
|  | Declarations of conformity UKCA        | PL FLEX                            |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | PL FLEX 625 S 32W 4000K U19 5220lm |

| Photometric and lighting design files                                              |                                     | Document name                             |
|------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------|
|    | LDT file (Eulumdat)                 | PL FLEX 625 S 32W 4000K U19 5220lm        |
|    | ULD file (DIALux)                   | PL FLEX 625 S 32W 840 U19 PS              |
|    | ROLF file (RELUX)                   | PL FLEX 625 S 32W 840 U19 PS              |
|    | UGR file (UGR table)                | PL FLEX 625 S 32W 4000K U19 5220lm        |
|    | Light distribution curve type cone  | PL FLEX 625 S 32W 4000K U19 5220lm        |
|    | Light distribution curve type polar | PL FLEX 625 S 32W 4000K U19 5220lm        |
| CAD/BIM files                                                                      |                                     | Document name                             |
|    | BIM Revit 3D                        | PL FLEX                                   |
|    | CAD STEP 3D                         | PL FLEX 625                               |
| Tender texts                                                                       |                                     | Document name                             |
|  | Tender documents                    | PANEL FLEX 625 UGR19 PS 32W 840 U19 PS-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854276569 | Folding box<br>1             | 35 mm x 625 mm x 710 mm              | 2374.00 g    | 15.53 dm <sup>3</sup> |
| 4099854276576 | Shipping box<br>4            | 737 mm x 179 mm x 657 mm             | 10818.00 g   | 86.67 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.

## ADDITIONAL CATALOG INFORMATION

