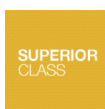


# PRODUCT DATASHEET

## PL FLEX 600 S 30W 830 U19 PS

PANEL FLEX 600 UGR<19 PS | Square recessed panel luminaire with power select feature and low glare, for 600 x 600 mm ceiling systems



### 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

- Highly versatile due to selectable power steps (Power Select - PS) on the driver and up to 4860 lm
- Energy savings thanks to high system efficacy: up to 169 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

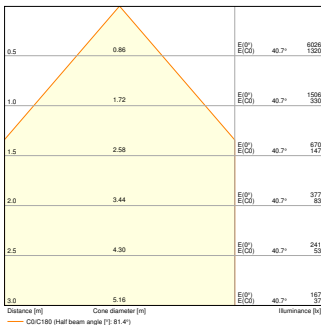
## TECHNICAL DATA

### Electrical data

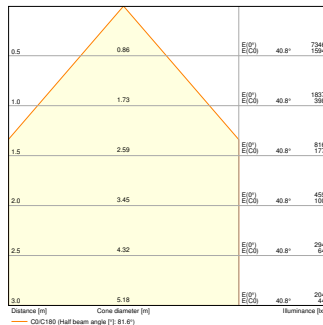
|   |                           |
|---|---------------------------|
| Nominal wattage   | 30 W / 25 W / 21 W / 17 W |
| Nominal voltage   | 220...240 V               |
| Mains frequency   | 50...60 Hz                |
| Nominal current   | 140.000 mA                |
| Inrush current  | 11.1 A                    |
| Inrush current time $T_{h50}$                               | 600 $\mu$ s               |
| 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       |

### Photometrical data

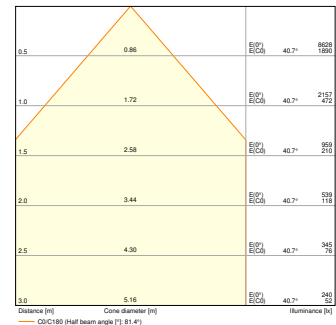
|  |   |
|--|---|
| Luminous flux                                | 4800 lm / 4050 lm / 3450 lm / 2830 lm     |
| Luminous efficacy                            | 160 lm/W / 162 lm/W / 164 lm/W / 166 lm/W |
| Color temperature                            | 3000 K                                    |
| Light color (designation)                    | Warm White                                |
| Color rendering index Ra                     | > 80                                      |
| Standard deviation of color matching         | $\leq 3$ sdc <sub>m</sub>                 |
| 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                                      |



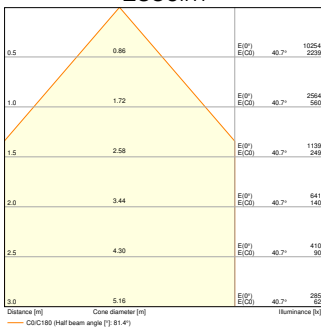
PL FLEX 600 S 17W 3000K U19  
2830lm



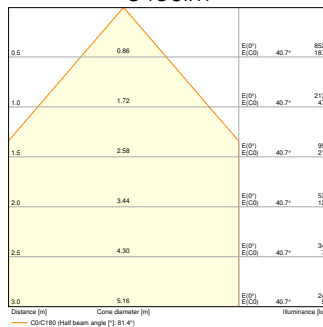
PL FLEX 600 S 21W 3000K U19  
3450lm



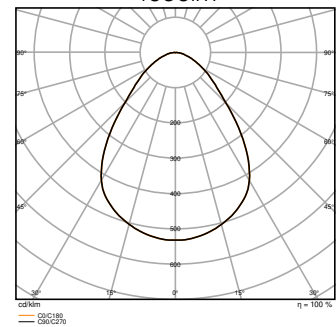
PL FLEX 600 S 25W 3000K U19  
4050lm



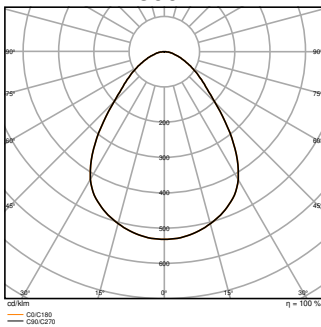
PL FLEX 600 S 30W 3000K U19  
4800lm



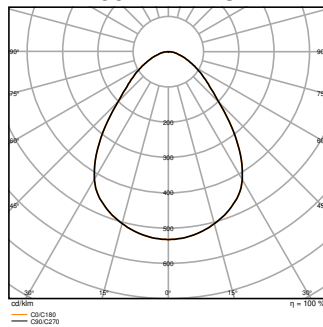
PL FLEX 600 S 3W 3000K U19  
400lm EM BOX



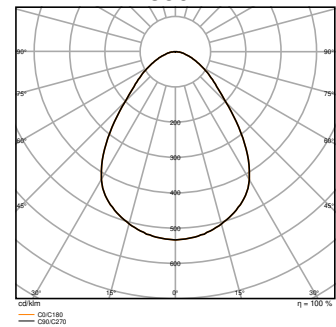
PL FLEX 600 S 17W 3000K U19  
2830lm



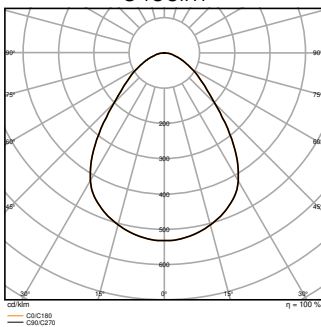
PL FLEX 600 S 21W 3000K U19  
3450lm



PL FLEX 600 S 25W 3000K U19  
4050lm



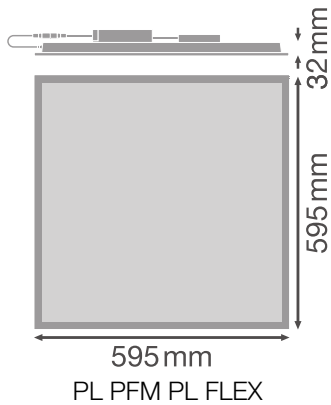
PL FLEX 600 S 30W 3000K U19  
4800lm



PL FLEX 600 S 3W 3000K U19  
400lm EM BOX

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 32.00 mm  |
| Product weight | 1600.00 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                        | 595.00 mm                                       |

|                   |           |
|-------------------|-----------|
| Mounting width    | 595.00 mm |
| Mounting depth    | 50 mm     |
| Adjustable        | No        |
| With light source | Yes       |

### 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              | 700 mA                             |
| ECG - Output ripple current | < 5 %                              |
| ECG - Length                | 125 mm                             |
| ECG - Width                 | 60 mm                              |
| ECG - Height                | 30 mm                              |
| Recommended control gear    | DR DS-P-30/220-240/700 PL FLEX 600 |


### 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- 30/220-240/700 PL FLEX 600 | 4058075843684 |


















| Product image  | Product name                        | EAN           |
|--|-------------------------------------|---------------|
|   | EM CONVERSION BOX                   | 4058075237025 |
|   | PANEL Suspension Kit                | 4058075402928 |
|   | PANEL RECESSED MOUNT CLIPS VAL 4x   | 4058075409859 |
|   | PANEL 600 SURFACE MOUNT KIT H75     | 4058075472914 |
|  | PANEL 600 SURFACE MOUNT KIT H70 VAL | 4058075402843 |

**EQUIPMENT / ACCESSORIES**














- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security rope for luminaire 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 |

| Documents and certificates   |                                  | Document name                           |
|--|----------------------------------|---|
|    | 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 600 S 30W 3000K U19 4800lm      |
|    | IES files (IES, additional)      | PL FLEX 600 S 17W 3000K U19 2830lm      |
|    | IES files (IES, additional)      | PL FLEX 600 S 21W 3000K U19 3450lm      |
|   | IES files (IES, additional)      | PL FLEX 600 S 25W 3000K U19 4050lm      |
|  | IES files (IES, additional)      | PL FLEX 600 S 3W 3000K U19 400lm EM BOX |
|  | LDT file (Eulumdat)              | PL FLEX 600 S 30W 3000K U19 4800lm      |
|  | LDT files (Eulumdat, additional) | PL FLEX 600 S 17W 3000K U19 2830lm      |
|  | LDT files (Eulumdat, additional) | PL FLEX 600 S 21W 3000K U19 3450lm      |
|  | LDT files (Eulumdat, additional) | PL FLEX 600 S 25W 3000K U19 4050lm      |
|  | LDT files (Eulumdat, additional) | PL FLEX 600 S 3W 3000K U19 400lm EM BOX |
|  | ULD file (DIALux)                | PL FLEX 600 S 30W 830 U19 PS            |
|  | UGR file (UGR table)             | PL FLEX 600 S 17W 3000K U19 2830lm      |
|  | UGR file (UGR table)             | PL FLEX 600 S 21W 3000K U19 3450lm      |



| Photometric and lighting design files   |                                     | Document name                           |
|---|-------------------------------------|---|
|  | UGR file (UGR table)                | PL FLEX 600 S 25W 3000K U19 4050lm      |
|  | UGR file (UGR table)                | PL FLEX 600 S 30W 3000K U19 4800lm      |
|  | UGR file (UGR table)                | PL FLEX 600 S 3W 3000K U19 400lm EM BOX |
|   | Light distribution curve type cone  | PL FLEX 600 S 17W 3000K U19 2830lm      |
|   | Light distribution curve type cone  | PL FLEX 600 S 21W 3000K U19 3450lm      |
|   | Light distribution curve type cone  | PL FLEX 600 S 25W 3000K U19 4050lm      |
|   | Light distribution curve type cone  | PL FLEX 600 S 30W 3000K U19 4800lm      |
|   | Light distribution curve type cone  | PL FLEX 600 S 3W 3000K U19 400lm EM BOX |
|   | Light distribution curve type polar | PL FLEX 600 S 17W 3000K U19 2830lm      |
|   | Light distribution curve type polar | PL FLEX 600 S 21W 3000K U19 3450lm      |
|   | Light distribution curve type polar | PL FLEX 600 S 25W 3000K U19 4050lm      |
|   | Light distribution curve type polar | PL FLEX 600 S 30W 3000K U19 4800lm      |
|   | Light distribution curve type polar | PL FLEX 600 S 3W 3000K U19 400lm EM BOX |

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

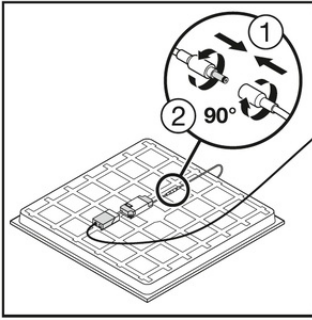
| Tender texts  |                  | Document name                             |
|---|------------------|---|
|  | Tender documents | PANEL FLEX 600 UGR19 PS 30W 830 U19 PS-EN |

**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854276521 | Folding box<br>1             | 35 mm x 685 mm x 600 mm              | 2055.00 g    | 14.39 dm <sup>3</sup> |
| 4099854276538 | Shipping box<br>4            | 705 mm x 160 mm x 625 mm             | 9301.00 g    | 70.50 dm <sup>3</sup> |

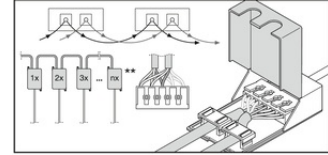
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



DR DS-P-30/220-040/750  
30W • 25V • 21V • 17V  
DR DS-P-30/220-040/700  
30W • 27V • 22V • 17V

| PANEL FLEX 600 / 650*                                      | DRIVERS   | W x H W (mm) H (mm) | h1 (mm) | h2 (mm) | h3 (mm) |
|--|---|---------------------|---------|---------|---------|
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 P5                                   | DR DS-P-30/220-040/750 PL FLEX 600<br>(DIM: 0500/750/040) | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5                               |   | 30 600 4150 152     | 30      | 600     | 4150    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 700 2060 152     | 30      | 700     | 2060    |
| PL FLEX 600 S 30W 840 L19 P5<br>(DIM: W / H W (mm) H (mm)) |   | 30 600 4150 152     | 30      | 600     | 4150    |



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.