

SQ 600 LED 4100LM PLX DALI I KL. IP20 592X592MM 830 (45W)

DETAILED CARD



TECHNICAL PARAMETERS

| | |
|---|-----------|
| Index: | 668296 |
| Ingress protection: | IP44/IP20 |
| Nominal power [W]: | 45 |
| Luminous flux [lm]*: | 4100 |
| Color rendering index (Ra) >: | 80 |
| SDCM: | 5 |
| Energy efficiency class: | F |
| Material of the body: | ABS |
| Diffuser material: | PS |
| Diffuser type: | OPAL |

CHARACTERISTICS

SQ 600 LED is a new line of square luminaires. The construction, designed from scratch, introduces new solutions ensuring excellent lighting parameters. The body is made of plastic, therefore it is characterized by low weight. The diffuser provides excellent light transmission. The integrated LED module guarantees low power consumption and all the advantages of modern LED light sources.

The luminaire is available in 2 versions:

- with OPAL diffuser - providing soft light;
- with PRM diffuser - with higher luminous efficiency and low glare UGR <19 (18W, 24W, 32W versions).

Available options:

- RCR sensor - sensor used for motion detection, without twilight detection option; uses microwaves for detection (active sensor),
- control in the DALI standard,
- CORRIDOR corridor function (RCR + DALI).

The ingress protection- depends on the method of installation:

- surface mounted - IP20,
- flush-mounted - IP44/20.

APPLICATION

Surface-mounted luminaire with the possibility of flush mounting in modular ceilings and in plasterboard ceilings (using plasterboard recessing kit) is especially recommended for offices, spacious corridors and public spaces.

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TECHNICAL PARAMETERS TABLE

| | | | |
|-----------------------------------|------------|--|---|
| Index: | 668296 | Ingress protection: | IP44/IP20 |
| Light source: | LED module | Glow wire test [°C]: | 650 |
| Nominal power [W]: | 45 | Mounting version: | surface mounted; recessed mounted in modular ceiling possible |
| Rated power of the luminaire [W]: | 51.50 | DIMM DALI: | yes |
| Supply voltage [V]: | 220-240 | Net weight [kg]: | 2 |
| Frequency [Hz]: | 50 - 60 | Category type: | troffers |
| Luminous flux [lm]: | 4100 | Category of application: | educational institutions, commercial facilities |
| Luminous efficacy [lm/W]: | 80 | AC voltage range [V]: | 198 - 264 |
| Energy efficiency class: | F | DC voltage range [V]: | 176-280 |
| Electrical protection class: | I | LED lifespan L70B50 [h]: | 50000 |
| Colour temperature [K]: | 3000 | LED lifespan L80B10 [h]: | 32000 |
| Color rendering index (Ra) >: | 80 | LED lifespan L90B10 [h]: | 15000 |
| SDCM: | 5 | Light distribution type: | open space |
| Power factor: | 0.96 | Photobiological safety: | RG0 - exempt (no photobiological hazard) |
| Diffuser material: | PS | Technical Warranty: | 5 |
| Diffuser type: | OPAL | CE certificate: | 110/2023 |
| Diffuser colour: | white | ENEC Certificate: | PL BBJ/006/2021/M1/A1 |
| Optics material: | PMMA | PZH certificate: | B-BK-60112-0419/2025 |
| Optics: | lens | Environmental Product Declaration (EPD): | 944/2026 |
| Material of the body: | ABS | Manual: | Download PDF |
| Colour of the body: | white | ISO Certificates: | 9001:2015, 14001:2015, 45001:2018, 50001:2018 |
| Dimensions (H/W/T/S) [mm]: | 592/592/44 | Plik LDT: | Download |
| Mounting dimensions [mm]: | 563/297 | | |

LIGHT CURVES



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ACCESSORIES AVAILABLE

| index | Name |
|--------|--|
| 999543 | Plasterboard recessing kit 630x630 white (steel version) |
| 978395 | Installation kit SQ 600 Ceiling system H40 100x100 |
| 374845 | Frame adapter KG 635x635 WHITE |
| 998966 | Frame steel white structure RAL9016 600x600 SM "well effect" |



Plasterboard recessing kit 630x630 white (steel version) (999543)



Frame steel white structure RAL9016 600x600 SM "well effect" (998966)

Card creation date: 04 May 2026

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. * Parameter tolerance is +/- 10%



This product is a subject to electric and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 110/2023