SQ 600 LED 4400LM PLX RCR II KL. IP20 592X592MM 840 (45W)

DETAILED CARD



TECHNICAL PARAMETERS

Index:	668302
Ingress protection:	IP44/IP20
Nominal power [W]:	45
Luminous flux [lm]*:	4400
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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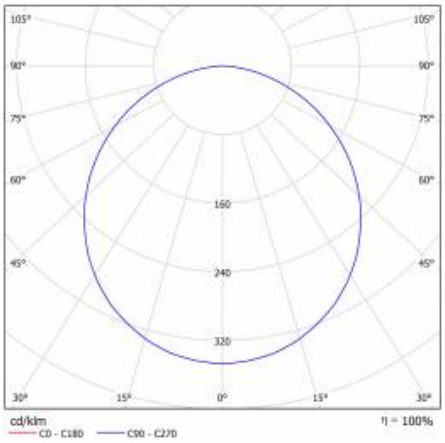
TECHNICAL PARAMETERS TABLE

Index:	668302
Light source:	LED module
Nominal power [W]:	45
Rated power of the luminaire [W]:	51.50
Supply voltage [V]:	220-240
Frequency [Hz]:	50 - 60
Luminous flux [lm]:	4400
Luminous efficacy [lm/W]:	85
Energy efficiency class:	F
Electrical protection class:	I
Colour temperature [K]:	4000
Color rendering index (Ra) >:	80
SDCM:	5
Power factor:	0.98
Diffuser material:	PS
Diffuser type:	OPAL
Diffuser colour:	white
Optics material:	PMMA
Optics:	lens
Material of the body:	ABS
Colour of the body:	white
Dimensions (H/W/T/S) [mm]:	592/592/44
Mounting dimensions [mm]:	563/297

Ingress protection:	IP44/IP20
Glow wire test [°C]:	650
Mounting version:	surface mounted; recessed mounted in modular ceiling possible
Motion sensor:	yes
Net weight [kg]:	1.900
Category type:	troffers
Category of application:	educational institutions, commercial facilities
AC voltage range [V]:	90-175
DC voltage range [V]:	198 - 264
LED lifespan L70B50 [h]:	50000
LED lifespan L80B10 [h]:	32000
LED lifespan L90B10 [h]:	15000
Light distribution type:	open space
Working temperature [°C]:	from 0 to +35
Photobiological safety:	RG0 - exempt (no photobiological hazard)
Technical Warranty:	5
CE certificate:	110/2023
ENEC Certificate:	PL BBJ/006/2021/M1/A1
PZH certificate:	B-BK-60112-0419/2025
Environmental Product Declaration (EPD):	944/2026
Manual:	Download PDF
ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018
Plik LDT:	Download

LIGHT CURVES



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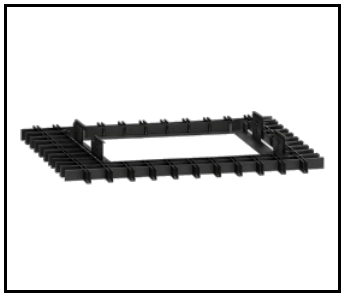
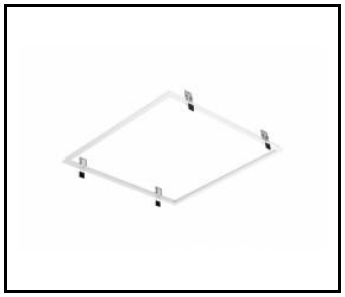
DETAILED CARD

ACCESSORIES AVAILABLE

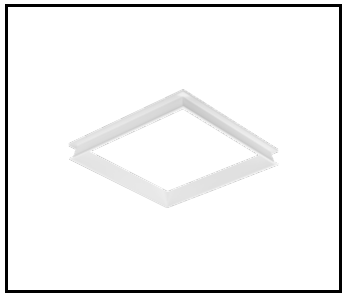
index	Name
978395	Installation kit SQ 600 Ceiling system H40 100x100
374845	Frame adapter KG 635x635 WHITE
998973	Frame steel white gloss RAL9016 600x600 SM "well effect"
978449	SQ 600 Ceiling Installation Kit – Barwa Universal System (Open Cell grid ceiling. H 23–50 mm, 100×100, 75×75, 50×50)



Installation kit SQ 600 Ceiling system H40 100x100 (978395)



Frame adapter KG 635x635 WHITE (374845)



Frame steel white gloss RAL9016 600x600 SM "well effect" (998973)

Card creation date: 26 November 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 andelectronic waste equipment regulations (WEEE).

Certificate CE - Nr: 110/2023

LENA LIGHTING

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