

# SQ 600 LED 4400LM PLX DALI I KL. IP20 592X592MM 840 (45W) RAL9005

DETAILED CARD



## TECHNICAL PARAMETERS

<b>Index:</b>	668357
<b>Ingress protection:</b>	IP44/IP20
<b>Nominal power [W]:</b>	45
<b>Luminous flux [lm]*:</b>	4400
<b>Color rendering index (Ra) &gt;:</b>	80
<b>SDCM:</b>	5
<b>Energy efficiency class:</b>	F
<b>Material of the body:</b>	ABS
<b>Diffuser material:</b>	PS
<b>Diffuser type:</b>	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:	668357	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]:	4400	Category of application:	educational institutions, commercial facilities
Luminous efficacy [lm/W]:	85	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]:	4000	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:	<a href="#">110/2023</a>
Diffuser colour:	white	ENEC Certificate:	<a href="#">PL BBJ/006/2021/M1/A1</a>
Optics material:	PMMA	PZH certificate:	<a href="#">B-BK-60112-0419/2025</a>
Optics:	lens	Environmental Product Declaration (EPD):	<a href="#">944/2026</a>
Material of the body:	ABS	Manual:	<a href="#">Download PDF</a>
Colour of the body:	black mat	ISO Certificates:	9001:2015, 14001:2015, 45001:2018, 50001:2018
Dimensions (H/W/T/S) [mm]:	592/592/44	Plik LDT:	<a href="#">Download</a>
Mounting dimensions [mm]:	563/297		

## LIGHT CURVES



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## ACCESSORIES AVAILABLE

index	Name
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"
998973	Frame steel white gloss RAL9016 600x600 SM "well effect"



Frame adapter KG 635x635  
WHITE (374845)



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



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

Card creation date: 12 June 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