

# PRODUCT DATASHEET

## SF SQUARE 330 V 24W 830 IP44

SURFACE SQUARE 330 | Wall and ceiling luminaire with IP44



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### Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

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### Product benefits

- Indoor luminaire with high luminous efficacy
- Energy savings of up to 55 % compared to luminaires that use CFL
- Easy and quick installation
- Very homogenous light
- 3 years guarantee

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### Product features

- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Impact resistance: IK03
- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C
- Indoor use only, not suitable for outdoor use



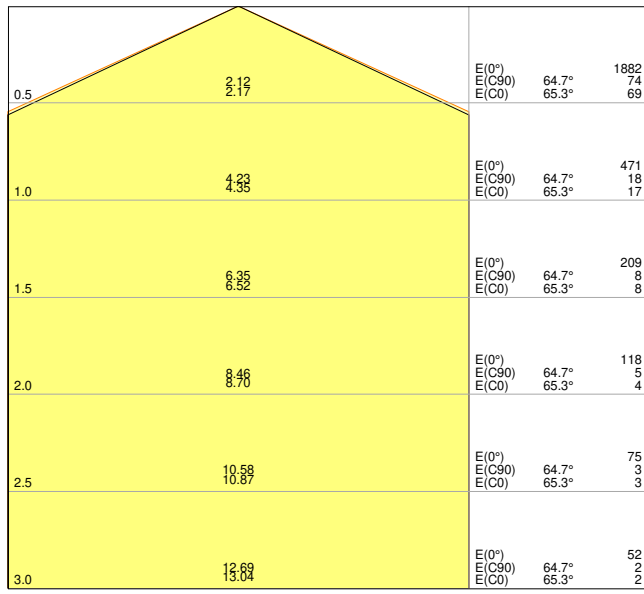
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**TECHNICAL DATA****Electrical data**

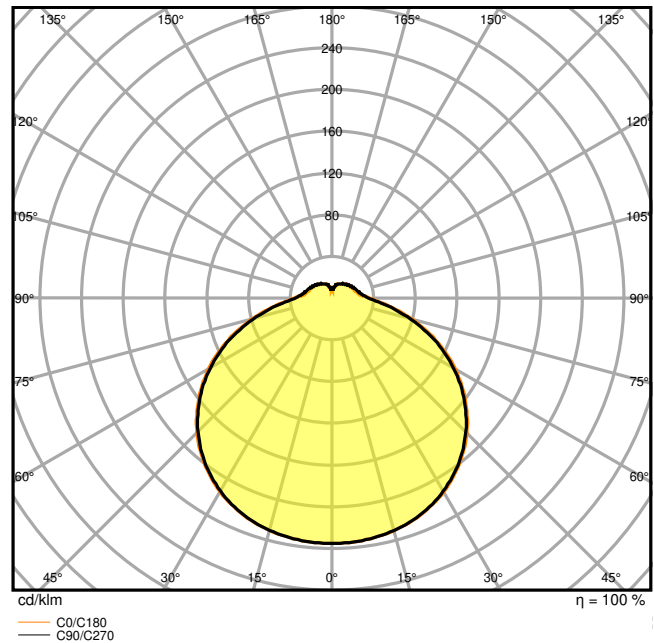
Nominal wattage	24.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	115.000 mA
Inrush current	7.2 A
Inrush current time $T_{h50}$	5.9 $\mu$ s
Max. no. of lum. on circuit break. B16 A	62
Max. no. of lum. on circuit break. C10 A	66
Max. no. of lum. on circuit break. C16 A	106
Power factor $\lambda$	> 0.70
Total harmonic distortion	< 60 %
Protection class	I
Operating mode	Integrated LED driver

**Photometrical data**

Luminous flux	2000 lm
Luminous efficacy	83 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



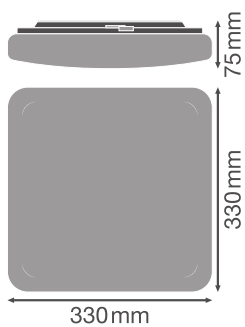
LDC typ cone



LDC typ polar

### Dimensions & Weight

Length	330.00 mm
Width	330.00 mm
Height	75.00 mm
Product weight	655.00 g



### Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-20...+80 °C
Type of connection	Terminal, 3-pin
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	35000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	33000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	15000 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	300 mA
ECG - Output ripple current	< 5 %

### Certificates & Standards

Standards	CE / CB / TÜV / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

## Additional product data

Product remark

Available from September 2023

## EQUIPMENT / ACCESSORIES

– Replacement cover optionally available

## DOWNLOAD DATA

## Documents and certificates



User instruction



Addon Technical Information



Packaging insert



Declarations Of Conformity CE



Declarations Of Conformity UKCA

## Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



UGR file (UGR table)



LDC typ cone



LDC typ polar

## CAD/BIM files



CAD\_STEP\_3D

## Tender texts



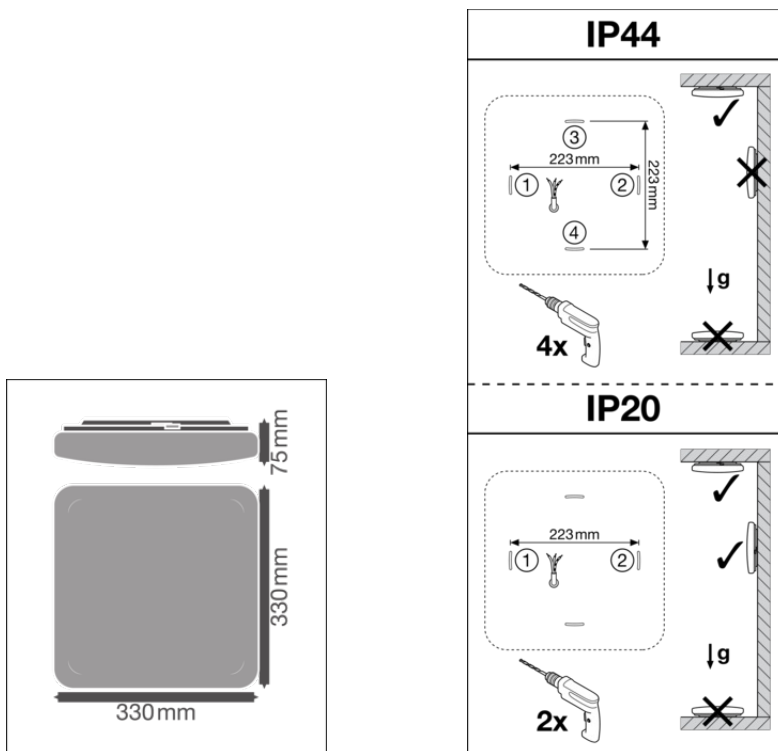
Tender documents

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854041952	Folding box 1	87 mm x 367 mm x 369 mm	916.00 g	11.78 dm <sup>3</sup>
4099854041969	Shipping box 5	457 mm x 387 mm x 404 mm	5771.00 g	71.45 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**



**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.