PRODUCT DATASHEET
SF SQUARE 330 SEN V 24W 830 IP44

SURFACE SQUARE 330 SENSOR | Wall and ceiling luminaire with IP44 and high frequency sensor

VALUE CLASS

Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

Product benefits

- Easy adjustment of sensor range, daylight detection and hold time
- 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

Product features

- High frequency sensor for daylight and motion detection
- 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

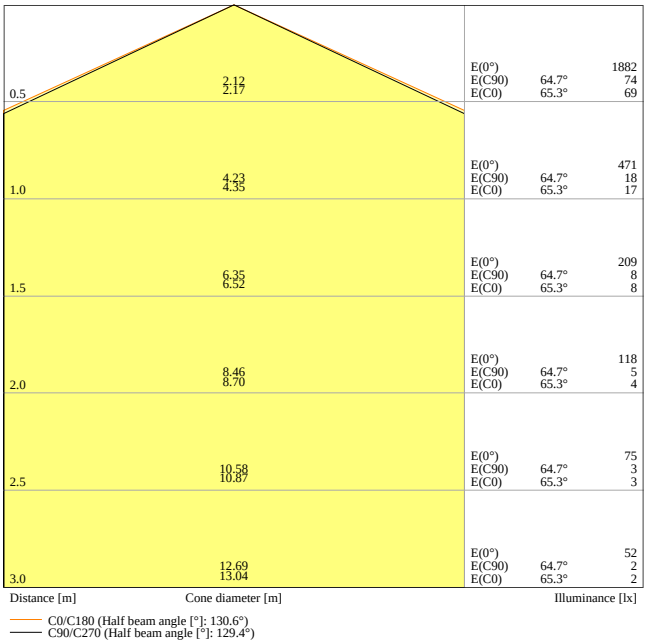
Electrical data

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 µs
Max. number of luminaires per miniature circuit breaker B16	104
Max. number of luminaires per miniature circuit breaker C10	66
Max. number of luminaires per miniature circuit breaker C16	106
Power factor λ	> 0.70
Maximum total harmonic distortion	< 60 %
Protection class	I
Operating mode	Integrated LED driver

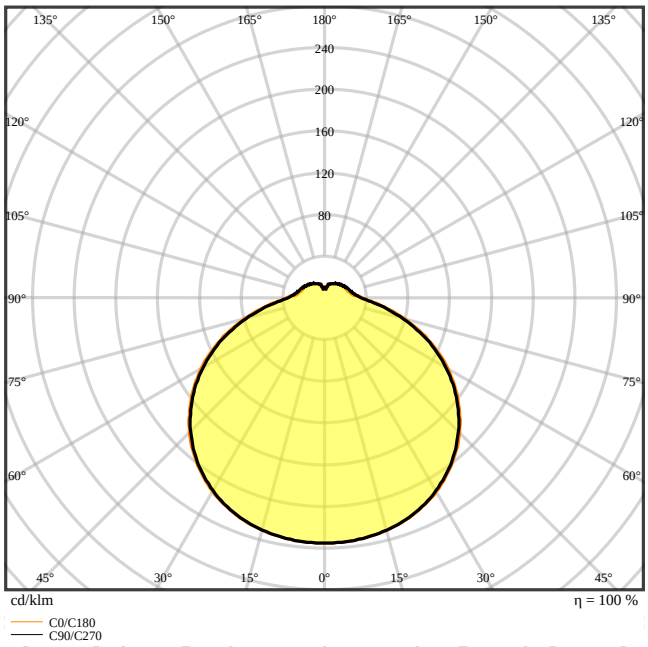
Photometrical data

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 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

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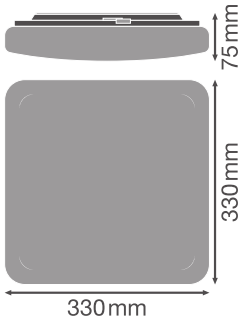
SF SQUARE 330 SEN V 24W 3CCT 3000K IP44



SF SQUARE 330 SEN V 24W 3CCT 3000K IP44

Dimensions & Weight

Length	330.00 mm
Width	330.00 mm
Height	75.00 mm
Product weight	690.00 g



SF SQUARE

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Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
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
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	35000 h [1)]
Lifespan L80/B10 at 25 °C	33000 h [1)]
Lifespan L80/B50 at 25 °C	33000 h
Lifespan L90/B10 at 25 °C	15000 h [1)]
Number of switching cycles	100000

1) 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
Output ripple current (100 Hz)	< 5 %

Sensor

Type of sensor	Motion / Light

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Sensor technology	Microwave
Sensor detection angle	120 °
Sensor controlled switching time	5 s…30 min
Detection range of motion sensor	4…7 m
Detection threshold of daylight sensor	2…50 lx
Sensor IK rating	IK03

Certificates & Standards

Standards	CE / CB / TÜV / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

– Replacement cover optionally available

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI SF SQUARE 330 V and SF SQUARE 330 SEN V
PDF	Legal information	LSI SF SQUARE 330 V 24W
PDF	Legal information	Legal Insert SF CIRC SEN V IP44
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	SF SQUARE and SF CIRC
PDF	Declarations of conformity UKCA	SF SQUARE and SF CIRC

	Photometric and lighting design files	Document name
IES	IES file (IES)	SF SQUARE 330 SEN V 24W 3CCT 3000K IP44
LDT	LDT file (Eulumdat)	SF SQUARE 330 SEN V 24W 3CCT 3000K IP44
ULD	ULD file (DIALux)	SF SQUARE 330V SEN V 24W 830 IP44

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	Photometric and lighting design files	Document name
	ROLF file (RELUX)	SF SQUARE 330 SEN 24W 830 IP44
	UGR file (UGR table)	SF SQUARE 330 SEN V 24W 3CCT 3000K IP44
	Light distribution curve type cone	SF SQUARE 330 SEN V 24W 3CCT 3000K IP44
	Light distribution curve type polar	SF SQUARE 330 SEN V 24W 3CCT 3000K IP44

	CAD/BIM files	Document name
	BIM Revit 3D	SF SQUARE
	CAD STEP 3D	SF SQUARE 330

	Tender texts	Document name
	Tender documents	SURFACE SQUARE 330 SENSOR 24W 830 IP44-EN

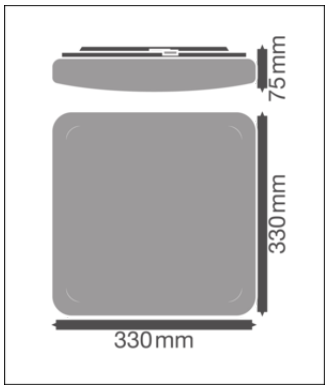
LOGISTICAL DATA

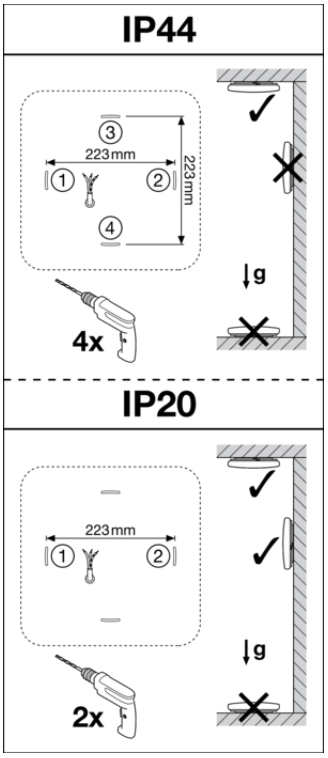
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854041990	Folding box 1	87 mm x 367 mm x 369 mm	951.00 g	11.78 dm^3
4099854042003	Shipping box 5	457 mm x 387 mm x 404 mm	5946.00 g	71.45 dm^3

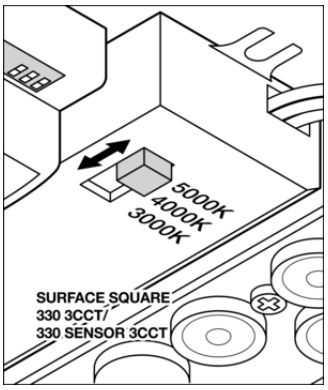
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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ADDITIONAL CATALOG INFORMATION







References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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