PRODUCT DATASHEET
SF CIRC 250 SEN V 13W 840 IP44

SURFACE CIRCULAR 250 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

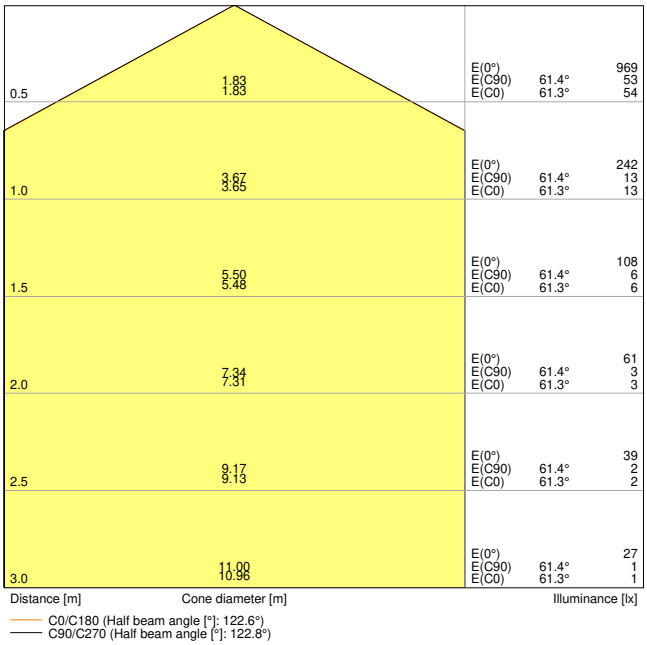
Electrical data

Nominal wattage	13.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	100 mA
Inrush current	6.7 A
Inrush current time T_{h50}	228 µs
Max. number of luminaires per miniature circuit breaker B16	75
Max. number of luminaires per miniature circuit breaker C10	58
Max. number of luminaires per miniature circuit breaker C16	94
Power factor λ	> 0.55
Total harmonic distortion	< 120 %
Protection class	I
Operating mode	Integrated LED driver

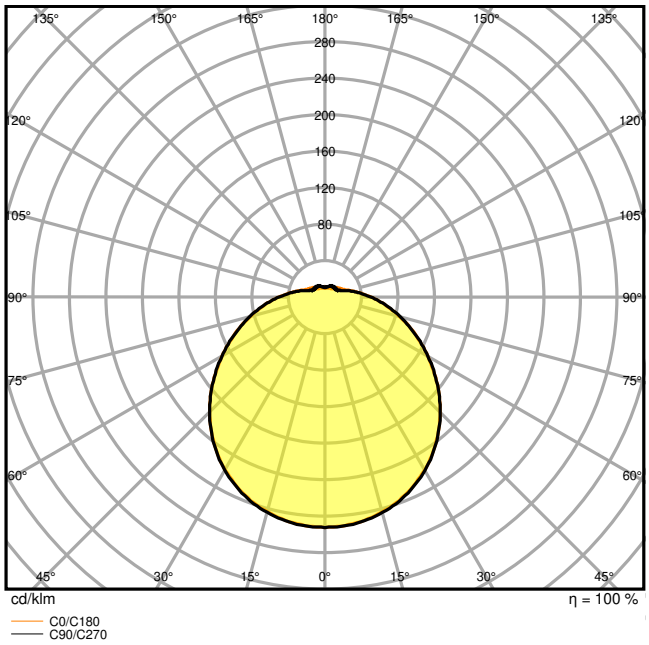
Photometrical data

Luminous flux	960 lm
Luminous efficacy	75 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

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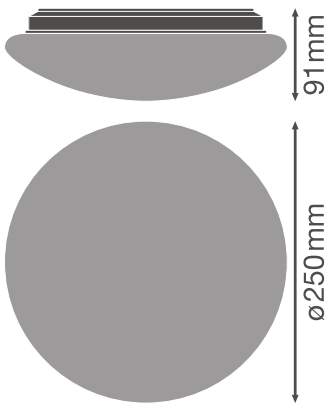
LDC typ cone



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Dimensions & Weight

Diameter	250.00 mm
Height	91.00 mm
Product weight	390.00 g



Materials & Colors

Product color	White
Housing color	White

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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 [1)]
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

1) Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)

Lifespan

Lifespan L70/B50 at 25 °C	30000 h [1)]
Lifespan L80/B10 at 25 °C	22000 h [1)]
Lifespan L90/B10 at 25 °C	15000 h
Number of switching cycles	50000

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	145 mA

Sensor

Type of sensor	Motion / Light
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 IP rating	IP44

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Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Replacement cover optional available

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

	Photometric and lighting design files
IES	IES file (IES)
LDT	LDT file (Eulumdat)
ULD	ULD file (DIALux)
ROLF	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar

	CAD/BIM files
RFA	BIM_Revit_3D
	CAD_STEP_3D

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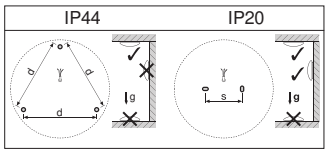
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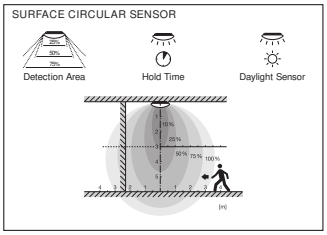
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075617926	Folding box 1	280 mm x 282 mm x 98 mm	308.00 g	7.74 dm^3
4058075617933	Shipping box 5	525 mm x 305 mm x 315 mm	2162.00 g	50.44 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.

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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