

PRODUCT DATASHEET

SF CIRCULAR 250 S 13 W 4000 K IP44 WT

SURFACE CIRCULAR 250 SENSOR | Wall and ceiling luminaire with IP44 and high frequency sensor



Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

Product benefits

- Easy adjustment of sensor range, daylight detection and hold time
- 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
- Beam angle: 120°
- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Impact resistance: IK03



- Metal housing, PMMA cover
- Ambient temperature in operation: -20...+40 °C

TECHNICAL DATA**Electrical data**

Nominal wattage	13.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Nominal current	140 mA
Inrush current	10 A
Inrush current time T_{h50}	150 μ s
Power factor λ	$\geq 0,5$
Mains frequency	50...60 Hz
Max. no. of lum. on circuit break. B16 A	41
Max. no. of lum. on circuit break. C10 A	33
Max. no. of lum. on circuit break. C16 A	53
Total harmonic distortion	< 120 %

Luminaire sensor data

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	110 °
Sensor controlled switching time	5 s/1 min/3 min/10 min
Detection range of motion sensor	8 m
Detection threshold of daylight sensor	25 lx
Sensor IP rating	IP44

Luminaire control gear data

Low flicker	Yes
Output current	78 mA

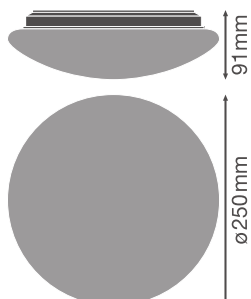
Photometrical data

Color temperature	4000 K
Luminous flux	960 lm
Luminous efficacy	75 lm/W
Light color (designation)	Cool White
Standard deviation of color matching	< 5 sdcm
Color rendering index Ra	> 80

Light technical data

Beam angle	120 °
------------	-------

Dimensions & weight



Diameter	250.00 mm
Height	91.00 mm
Product weight	316.00 g

Colors & materials

Body material	Steel
Product color	White
Housing color	White
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
---------------------------	--------------

Lifespan

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

Additional product data

Mounting type	Surface
---------------	---------

Mounting location	Ceiling / Wall
Low flicker	Yes

Capabilities

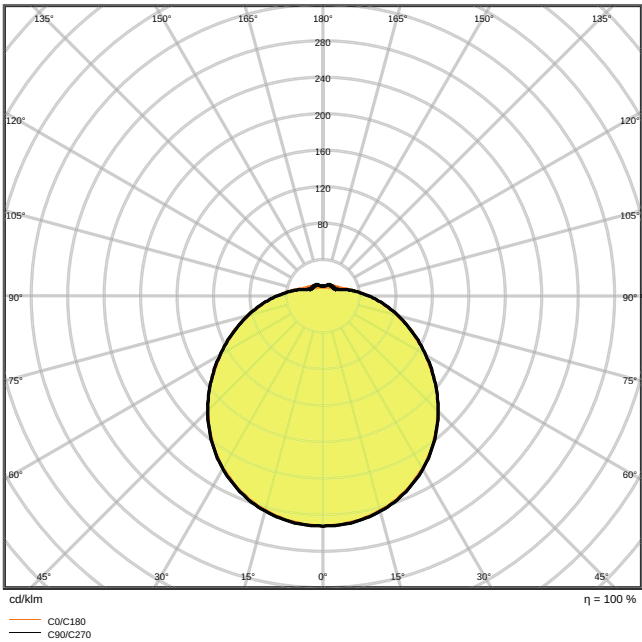
Dimmable	No
Type of connection	Screw terminal, 3-Pole
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK03
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group acc. to EN62778	RG0
Protection class	I
Type of protection	IP44
Ball shot safe	No
Standards	CE / CB / TÜV SÜD / EAC / RoHS



LDC typ cone



LDC typ polar

LOGISTICAL DATA

Temperature range at storage

-25...+70 °C

EQUIPMENT / ACCESSORIES

– Replacement cover optional available

DOWNLOAD DATA

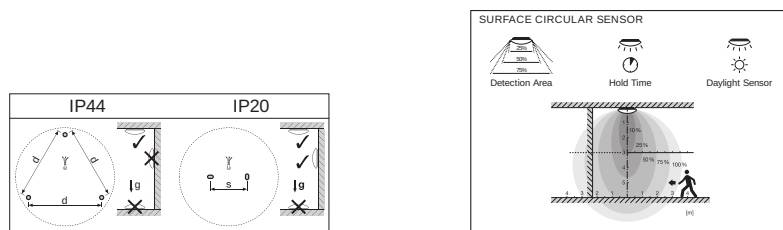
DOWNLOAD DATA	
	User instruction SURFACE CIRCULAR
	Tender documents Tender Text 4058075314917
	Certificates EAEC N RU D-DE.MYu62.B.01070 20 16.03.2020-15.03.2025
	Declarations of conformity Declaration of Conformity SF Circular 250 350 S IP44 LEDV
	Declarations of conformity CE Declaration Surface C Sensor
	On-Pack-Info Legal Insert Surface
	IES file (IES) SF CIRCULAR 250 13W 4000K S IP44
	LDT file (Eulumdat) SF CIRCULAR 250 13W 4000K S IP44
	R3D file (Relux 3D Model) SURFACE CIRCULAR 250
	M3D file (3D Model) SURFACE CIRCULAR 250
	UGR file (UGR table) SF CIRCULAR 250 13W 4000K S IP44

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075314917	Folding box 1	280 mm x 282 mm x 98 mm	394.00 g	7.74 dm ³
4058075314924	Shipping box 5	525 mm x 305 mm x 315 mm	2592.00 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.