

# 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
- 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

## TECHNICAL DATA

### Electrical data

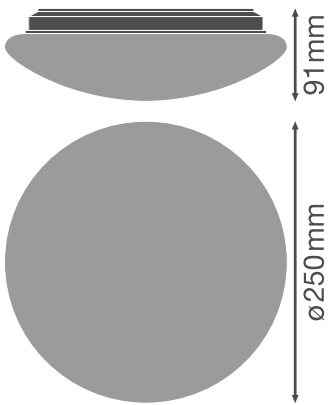
Nominal wattage	13.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	140 mA
Inrush current	10 A
Inrush current time $T_{h50}$	150 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	41
Max. number of luminaires per miniature circuit breaker C10	33
Max. number of luminaires per miniature circuit breaker C16	53
Power factor $\lambda$	$\geq 0.5$
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	< 5 sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

### Dimensions & Weight

Diameter	250.00 mm
Height	91.00 mm
Product weight	316.00 g



SF CIRCULAR 250 S

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	-25...+70 °C
Type of connection	Screw terminal, 3-Pole
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
Replaceable light source	No

Lifespan

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

<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	78 mA
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### Sensor

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

### Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable









### EQUIPMENT / ACCESSORIES

- Replacement cover optional available

### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

### DOWNLOAD DATA

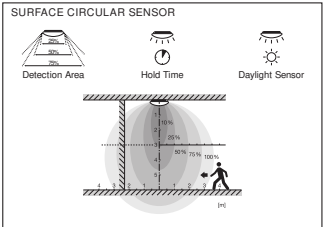
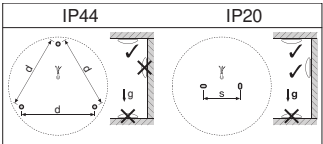
Documents and certificates		Document name
	User instruction / safety instructions	SURFACE CIRCULAR
	On-Pack-Info	Legal Insert Surface
	Declarations of conformity	CE Declaration Surface C Sensor
	Declarations of conformity	Declaration of Conformity SF Circular 250 350 S IP44 LEDV
Photometric and lighting design files		Document name
	IES file (IES)	SF CIRCULAR 250 13W4000K S IP44 LEDV
	LDT file (Eulumdat)	SF CIRCULAR 250 13W4000K S IP44 LEDV
	ULD file (DIALux)	SURFACECIRCULAR250SENSOR13W4000KIP44WT
	UGR file (UGR table)	SF CIRCULAR 250 13W4000K S IP44 LEDV

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075110182	Folding box 1	280 mm x 282 mm x 98 mm	394.00 g	7.74 dm <sup>3</sup>
4058075110199	Shipping box 5	510 mm x 292 mm x 305 mm	2568.00 g	45.42 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)

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