

# 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
- Clear cover protects the reflector against dust and contact
- 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
Power factor $\lambda$	$\geq 0.5$
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
Inrush current	10.0 A
Total harmonic distortion	< 120 %
Inrush current time $T_{h50}$	150 $\mu$ s

### 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
Standard deviation of color matching	<5 sdc <sub>m</sub>
Light color (designation)	Cool White
Color rendering index Ra	>80

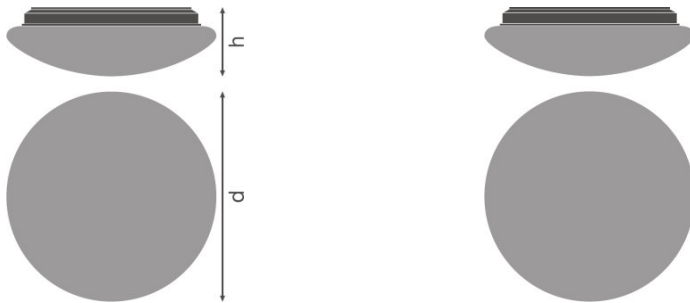
### Light technical data

Beam angle	120 °
------------	-------

### Luminaire sensor data

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

## Dimensions & weight



<b>Diameter</b>	250.0 mm
<b>Height</b>	91.0 mm
<b>Product weight</b>	316.00 g

## Colors & materials

<b>Body material</b>	Steel
<b>Product color</b>	White
<b>Housing color</b>	White
<b>Cover material</b>	Polymethylmethacrylate (PMMA)

## Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
----------------------------------	--------------

## Lifespan

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

## Additional product data

<b>Mounting type</b>	Surface
<b>Mounting location</b>	Ceiling / Wall
<b>Low flicker</b>	Yes

## Capabilities

<b>Dimmable</b>	No
<b>Type of connection</b>	Screw terminal, 3-Pole
<b>LED module replaceable</b>	Not replaceable

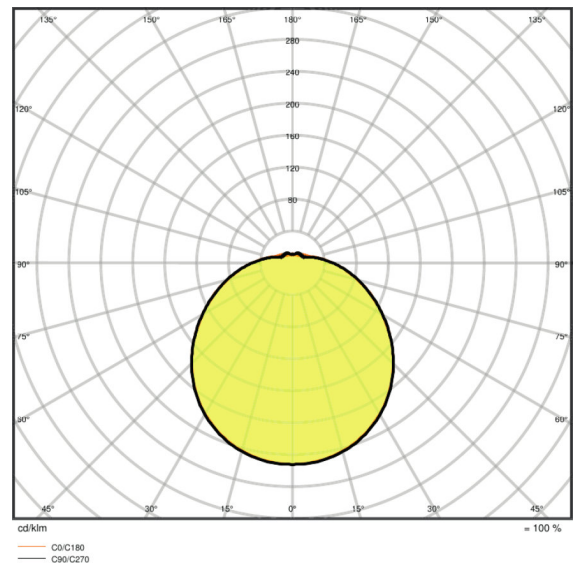
### Certificates & standards

Protection class IK (shock resistance)	IK03
Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group EN62778	RG0
Protection class	I
Type of protection	IP44
Standards	CE/CB/TÜV SÜD/EAC/RoHS

### Logistical data

Temperature range at storage	-25...+70 °C
------------------------------	--------------

### Light Distribution



LDC typ cone

LDC typ polar

### EQUIPMENT / ACCESSORIES

- Replacement cover optional available

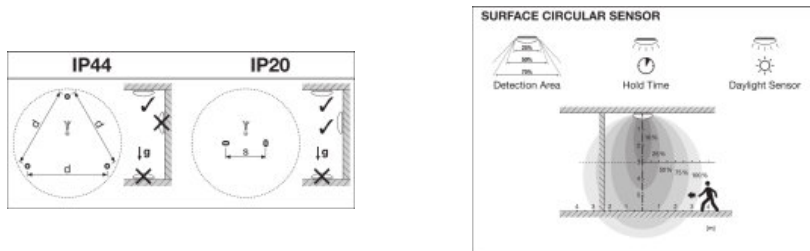
### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075314917	Folding carton box 1	280 mm x 282 mm x 98 mm	394.00 g	7.74 dm <sup>3</sup>

4058075314924	Shipping carton box 5	525 mm x 305 mm x 315 mm	2592.00 g	50.44 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.