

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



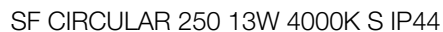
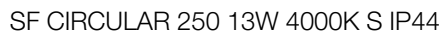
- Ambient temperature in operation: -20...+40 °C
- Indoor use only, not suitable for outdoor use

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 μ 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 λ	≥ 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 _m
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



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
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h ¹⁾
Lifespan L80/B10 at 25 °C	22000 h ¹⁾
Lifespan L80/B50 at 25 °C	22000 h
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	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
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Number of illuminants	-
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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	Declaration of Conformity SF Circular 250 350 S IP44 LEDV
 Declarations of conformity	CE Declaration Surface C Sensor

Photometric and lighting design files	Document name
 IES file (IES)	SF CIRCULAR 250 13W 4000K S IP44
 LDT file (Eulumdat)	SF CIRCULAR 250 13W 4000K S IP44

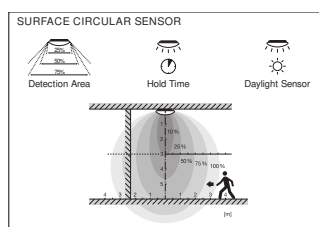
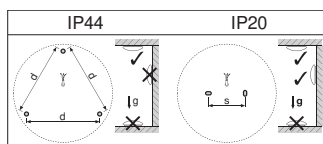
Photometric and lighting design files		Document name
	UGR file (UGR table)	SF CIRCULAR 250 13W 4000K S IP44
	Light distribution curve type cone	SF CIRCULAR 250 13W 4000K S IP44
	Light distribution curve type polar	SF CIRCULAR 250 13W 4000K S IP44
Tender texts		Document name
	Tender documents	SURFACE CIRCULAR 250 SENSOR 13 W 4000 K IP44 WT-EN

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.