

PRODUCT DATASHEET

SF CIRCULAR 400 S 24 W 4000 K IP44 WT

SURFACE CIRCULAR 400 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	24.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Nominal current	190 mA
Inrush current	15 A
Inrush current time T_{H50}	200 μ s
Power factor λ	$\geq 0,5$
Mains frequency	50...60 Hz
Max. no. of lum. on circuit break. B16 A	30
Max. no. of lum. on circuit break. C10 A	25
Max. no. of lum. on circuit break. C16 A	41
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	172 mA

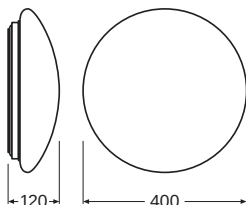
Photometrical data

Color temperature	4000 K
Luminous flux	1920 lm
Luminous efficacy	80 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 °
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Dimensions & weight



Diameter	400.00 mm
Height	120.00 mm
Product weight	752.00 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
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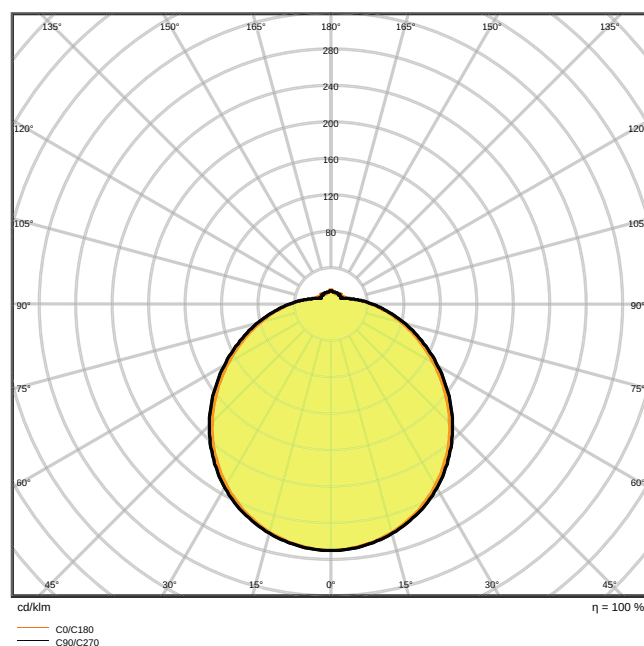
Lifespan

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

Certificates & standards



LDC typ polar

LOGISTICAL DATA

Temperature range at storage	-25...+70 °C
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EQUIPMENT / ACCESSORIES

- Replacement cover optional available

DOWNLOAD DATA

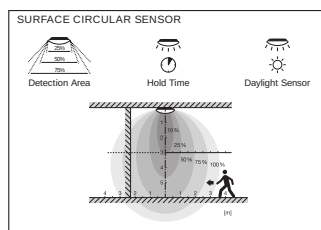
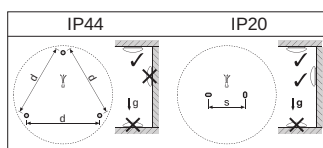
DOWNLOAD DATA	
	User instruction SURFACE CIRCULAR
	PRODUCT DATASHEET SURFACE-C LED 24 W 4000 K SENSOR
	Tender documents Tender Text 4058075314993
	Certificates EAEC N RU D-DE.MYu62.B.01070 20 16.03.2020-15.03.2025
	Declarations of conformity EU Declaration of Conformity SF Circular 350 400 IP44 LEDV
	Declarations of conformity CE Declaration Surface C Sensor
	On-Pack-Info Legal Insert Surface
	IES file (IES) SF CIRCULAR 400 24W 4000K S IP44
	LDT file (Eulumdat) SF CIRCULAR 400 24W 4000K S IP44
	R3D file (Relux 3D Model) SURFACE CIRCULAR 400
	M3D file (3D Model) SURFACE CIRCULAR 400
	UGR file (UGR table) SF CIRCULAR 400 24W 4000K S IP44

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075314993	Folding box 1	440 mm x 440 mm x 135 mm	1134.00 g	26.14 dm ³
4058075315006	Shipping box 5	660 mm x 460 mm x 460 mm	6976.00 g	139.66 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.