

# PRODUCT DATASHEET

## SF CIRC 400 SEN V 24W 840 IP44

SURFACE CIRCULAR 400 SENSOR | Wall and ceiling luminaire with IP44 and high frequency sensor



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### Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

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### 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

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### 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

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## TECHNICAL DATA

### Electrical data

Nominal wattage	24.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Nominal current	185 mA
Inrush current	7.3 A
Inrush current time $T_{h50}$	256 $\mu$ s
Power factor $\lambda$	> 0.55
Mains frequency	50...60 Hz
Max. no. of lum. on circuit break. B16 A	35
Max. no. of lum. on circuit break. C10 A	35
Max. no. of lum. on circuit break. C16 A	56
Total harmonic distortion	< 120 %

### Luminaire sensor data

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	120 °
Sensor controlled switching time	5 s...30 min
Detection range of motion sensor	4...7 m
Detection threshold of daylight sensor	2...50 lx
Sensor IP rating	IP44

### Luminaire control gear data

Low flicker	Yes
Output current	250 mA

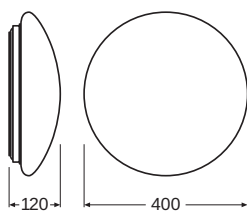
### Photometrical data

Color temperature	4000 K
Luminous flux	1920 lm
Luminous efficacy	80 lm/W
Light color (designation)	Cool White
Standard deviation of color matching	< 6 sdc <sub>m</sub>
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
Height (incl. round luminaires)	120.00 mm
Width (incl. round luminaires)	400.00 mm
Product weight	790.00 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 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

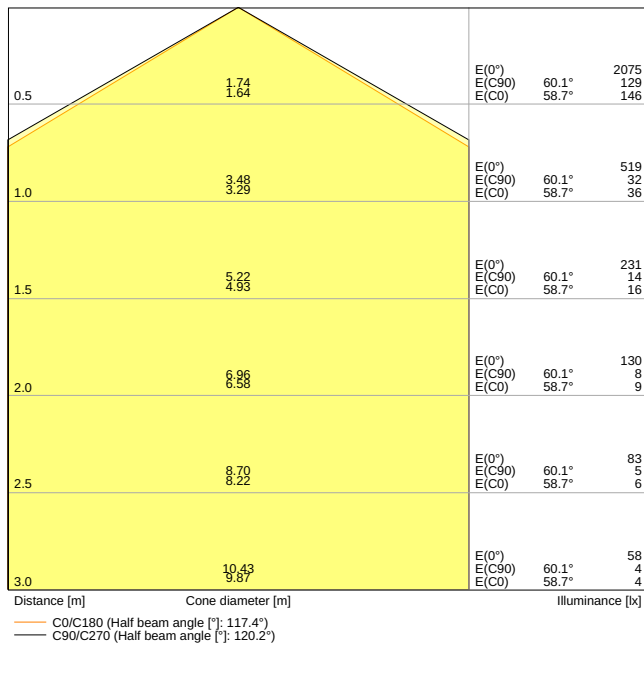
Mounting type	Surface
Mounting location	Ceiling / Wall
Low flicker	Yes
Product remark	Available from September 2021 / Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)

### Capabilities

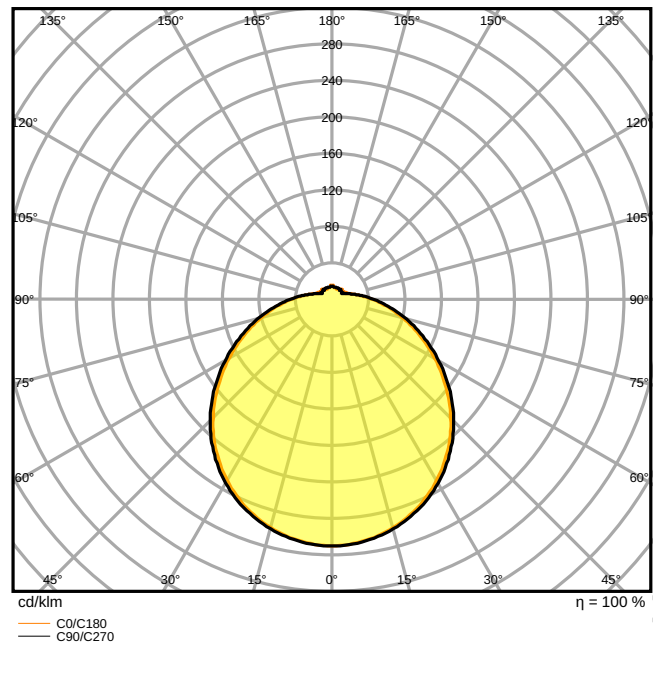
Dimmable	No
Type of connection	Terminal, 3-pin
LED module replaceable	Not replaceable

Certificates & standards

Glow Wire Test according to IEC 60695-2-12	650 °C
Photobiological safety group acc. to EN62471	RG0
Protection class	I
Type of protection	IP44
Ball shot safe	No
Standards	CE / CB / TÜV SÜD / EAC
Luminaire with limited surface temperature, class "D"	No



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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2010/2015

Correlated colour temperature type	SINGLE_VALUE
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EQUIPMENT / ACCESSORIES

- Replacement cover optional available

DOWNLOAD DATA

## DOWNLOAD DATA



IES file (IES)  
SF CIRC 400 SEN V 24W 840 IP44



LDT file (Eulumdat)  
SF CIRC 400 SEN V 24W 840 IP44



UGR file (UGR table)  
SF CIRC 400 SEN V 24W 840 IP44

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075618121	Folding box 1	440 mm x 440 mm x 135 mm	912.00 g	26.14 dm <sup>3</sup>
4058075618138	Shipping box 5	660 mm x 460 mm x 460 mm	5866.00 g	139.66 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.

## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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