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

VALUE CLASS

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

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

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TECHNICAL DATA

Electrical data

Nominal wattage	24.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	190 mA
Inrush current	15.0 A
Inrush current time T_{h50}	200 µs
Max. number of luminaires per miniature circuit breaker B16	30
Max. number of luminaires per miniature circuit breaker C10	25
Max. number of luminaires per miniature circuit breaker C16	41
Power factor λ	≥0.5
Total harmonic distortion	< 120 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	1920 lm
Luminous efficacy	80 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

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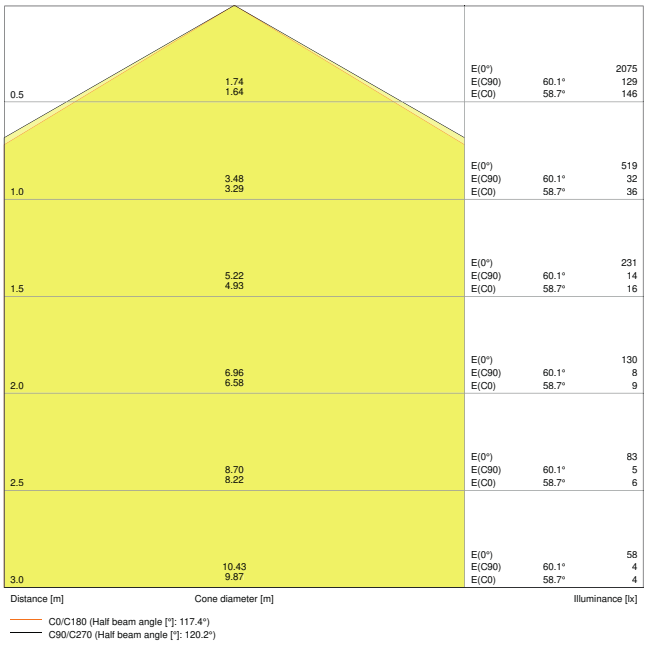
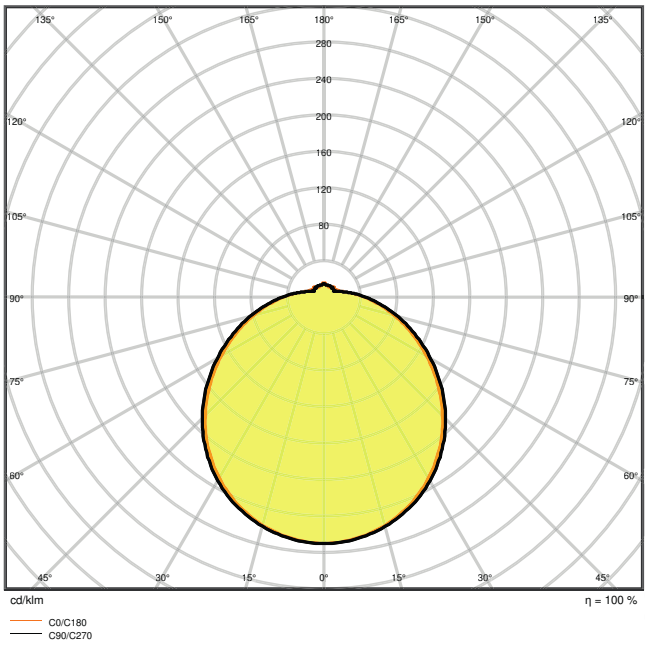


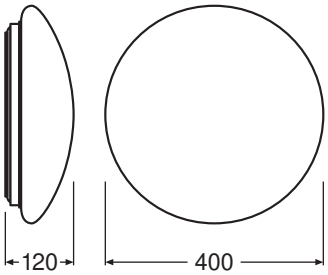
SF CIRCULAR 400 24W 4000K S IP44



SF CIRCULAR 400 24W 4000K S IP44

Dimensions & Weight

Diameter	400.00 mm
Height	120.00 mm
Product weight	752.00 g



707544_LEDVANCE Surface Circular LED 400 Sensor

Materials & Colors

Product color	White
Housing color	White

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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 [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	172 mA

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

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Sensor IP rating	IP44

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC
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
PDF	User instruction / safety instructions	SURFACE CIRCULAR
PDF	On-Pack-Info	Legal Insert Surface
PDF	Declarations of conformity	EU Declaration of Conformity SF Circular 350 400 IP44 LEDV
PDF	Declarations of conformity	CE Declaration Surface C Sensor

	Photometric and lighting design files	Document name
IES	IES file (IES)	SF CIRCULAR 400 24W 4000K S IP44
LDT	LDT file (Eulumdat)	SF CIRCULAR 400 24W 4000K S IP44
	UGR file (UGR table)	SF CIRCULAR 400 24W 4000K S IP44
	Light distribution curve type cone	SF CIRCULAR 400 24W 4000K S IP44
	Light distribution curve type polar	SF CIRCULAR 400 24W 4000K S IP44

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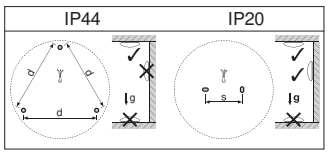
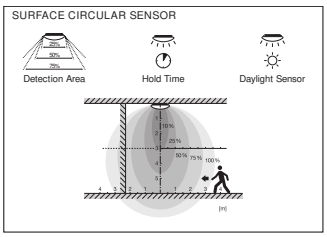
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075314993	Folding box 1	130 mm x 440 mm x 440 mm	1134.00 g	25.17 dm^3
4058075315006	Shipping box 5	665 mm x 455 mm x 460 mm	6976.00 g	139.18 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

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