PRODUCT DATASHEET
SF CIRC 250 V 13W 840 IP44

SURFACE CIRCULAR 250 | Wall and ceiling luminaire with IP44

Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

Product benefits

- 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

- Beam angle: 120°
- Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)
- Impact resistance: IK03
- Metal housing, PMMA cover
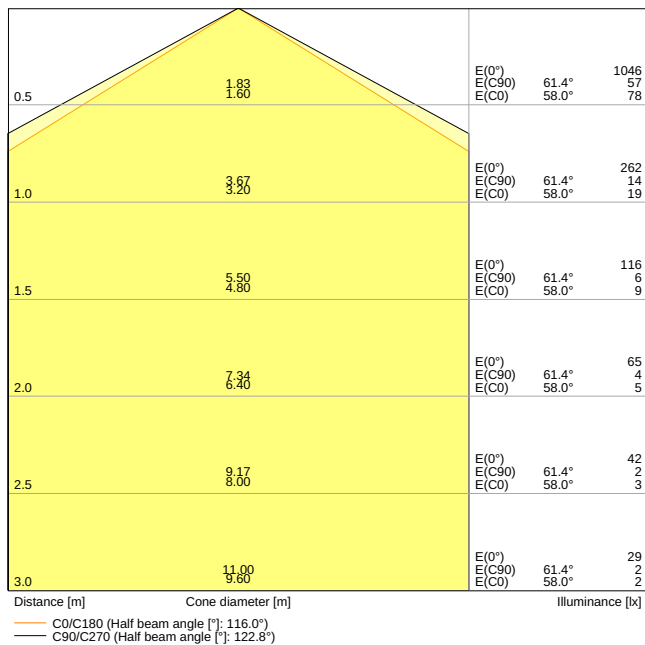- Ambient temperature in operation: -20...+40 °C
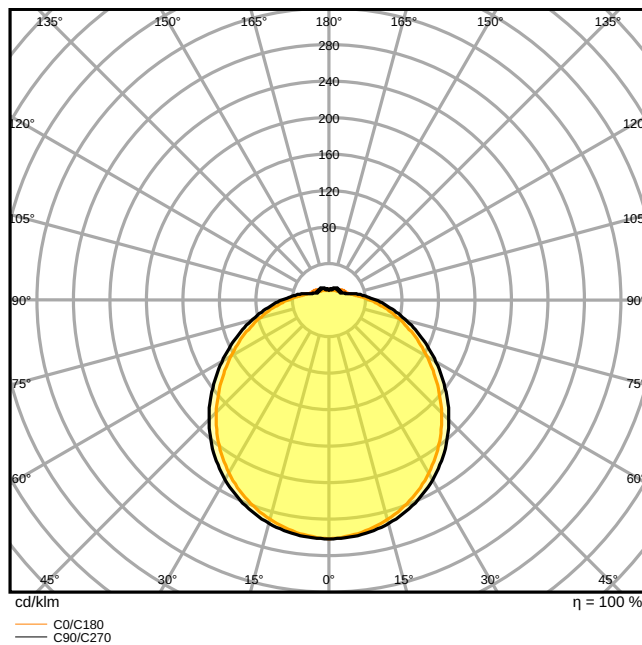
TECHNICAL DATA

Electrical data

Nominal wattage	13.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	100 mA
Inrush current	6.7 A
Inrush current time T_{h50}	228 µs
Max. no. of lum. on circuit break. B16 A	50
Max. no. of lum. on circuit break. C10 A	40
Max. no. of lum. on circuit break. C16 A	64
Power factor λ	> 0.55
Total harmonic distortion	< 120 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

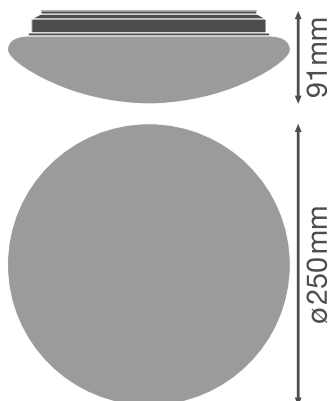|	
Luminous flux	960 lm
Luminous efficacy	75 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.83 1.60	E(0°) E(C90) 61.4° E(C0) 58.0°	1046 57 78
1.0	3.67 3.20	E(0°) E(C90) 61.4° E(C0) 58.0°	262 14 19
1.5	5.50 4.80	E(0°) E(C90) 61.4° E(C0) 58.0°	116 6 9
2.0	7.34 6.40	E(0°) E(C90) 61.4° E(C0) 58.0°	65 4 5
2.5	9.17 8.00	E(0°) E(C90) 61.4° E(C0) 58.0°	42 2 3
3.0	11.00 9.60	E(0°) E(C90) 61.4° E(C0) 58.0°	29 2 2

C0/C180 (Half beam angle [°]: 116.0°)
C90/C270 (Half beam angle [°]: 122.8°)

LDC typ cone

cd/klm   η = 100 %

C0/C180
C90/C270

LDC typ polar

Dimensions & Weight

Diameter	250.00 mm
Width	- mm
Height	91.00 mm
Product weight	230.00 g

91 mm

ø 250 mm

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	-20…+80 °C
Type of connection	Terminal, 3-pin
Type of protection	IP44
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Mounting length	- mm
Mounting width	- mm
Mounting diameter	- mm
LED module replaceable	Not replaceable

Lifespan

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

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Product remark	Available from September 2021 / Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)

EQUIPMENT / ACCESSORIES

– Replacement cover optional available

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction SURFACE CIRCULAR SENSOR
PDF	User instruction SURFACE CIRCULAR SENSOR
	IES file (IES) SF CIRC 250 V 13W 840 IP44
	LDT file (Eulumdat) SF CIRC 250 V 13W 840 IP44
	UGR file (UGR table) SF CIRC 250 V 13W 840 IP44

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075617889	Folding box 1	280 mm x 282 mm x 98 mm	308.00 g	7.74 dm³
4058075617896	Shipping box 5	525 mm x 305 mm x 315 mm	2162.00 g	50.44 dm³

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

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.