

# PRODUCT DATASHEET

## SF CIRC 250 V 13W 830 IP44

SURFACE CIRCULAR 250 | Wall and ceiling luminaire with IP44



### Areas of application

- Corridors
- Stairways
- Bathrooms
- Foyers

### Product benefits

- 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

- 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

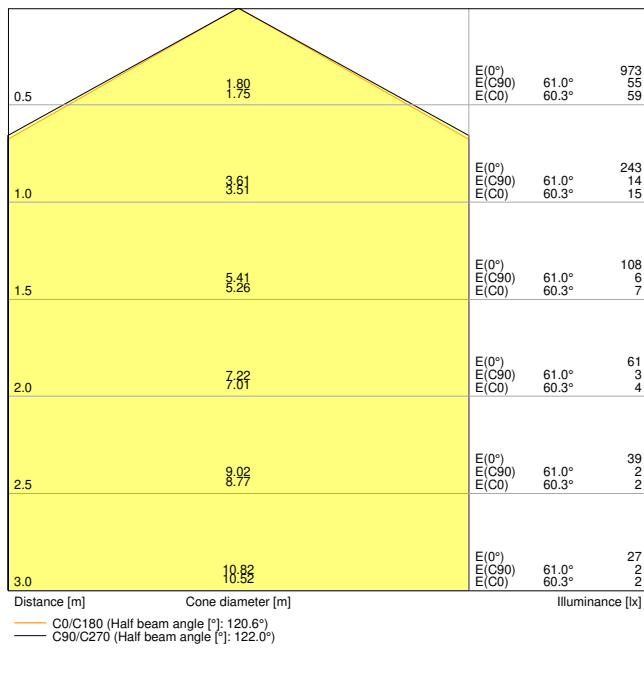
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**TECHNICAL DATA****Electrical data**

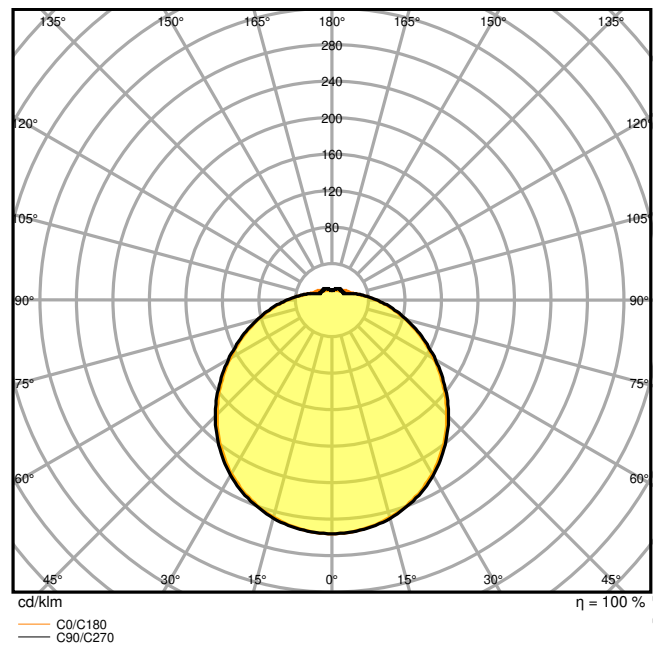
Nominal wattage	13.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	100 mA
Inrush current	6.7 A
Inrush current time $T_{h50}$	228 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	50
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	64
Power factor $\lambda$	> 0.55
Total harmonic distortion	< 120 %
Protection class	I
Operating mode	Integrated LED driver

**Photometrical data**

Luminous flux	920 lm
Luminous efficacy	70 lm/W
Color temperature	3000 K
Light color (designation)	Warm white
Color rendering index Ra	> 80
Standard deviation of color matching	< 6 sdc <sub>m</sub>
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 °
UGR	≤ 23



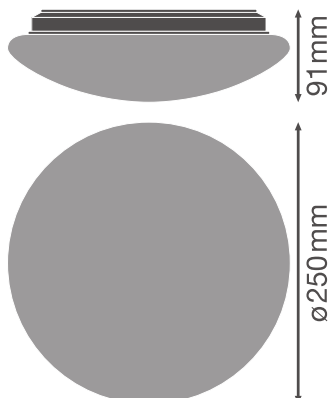
LDC typ cone



LDC typ polar

**Dimensions & Weight**

Diameter	250.00 mm
Height	91.00 mm
Product weight	340.00 g



**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 <sup>1)</sup>
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

<sup>1)</sup> Type of protection: IP44 (ceiling mounting), IP20 (wall mounting)

### Lifespan

Lifespan L70/B50 at 25 °C	30000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	22000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	15000 h
Number of switching cycles	50000

<sup>1)</sup> 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	145 mA
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



### Certificates & Standards

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

### EQUIPMENT / ACCESSORIES

– Replacement cover optional available

DOWNLOAD DATA

Documents and certificates	
	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	BIM_Revit_3D
	CAD_STEP_3D
Tender texts	
	Tender documents

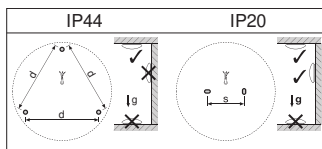
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075617865	Folding box 1	280 mm x 282 mm x 98 mm	308.00 g	7.74 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075617872	Shipping box 5	525 mm x 305 mm x 315 mm	2162.00 g	50.44 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.

### ADDITIONAL CATALOG INFORMATION



### References / Links

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

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