

# PRODUCT DATASHEET

## SF BLKH S 250 P 10W 830 WT IP65

**SURFACE BULKHEAD 250 SENSOR | Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor**



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### Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

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### Product benefits

- Multiple adjustments of sensor range, daylight detection and hold time
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Separate covers available for an aesthetic and functional product design
- 5 years guarantee
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)

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### Product features

- High frequency sensor for daylight and motion detection
- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- Impact resistance: IK10
- Push wire terminal for tool-free connection
- Through-wiring possible
- Type of protection: IP65
- Luminous flux: up to 800 lm
- High luminous efficacy: up to 80 lm/W
- Lifetime (L70/B50): up to 50,000 h (at 25 °C)
- Ambient temperature in operation: -20...+40 °C

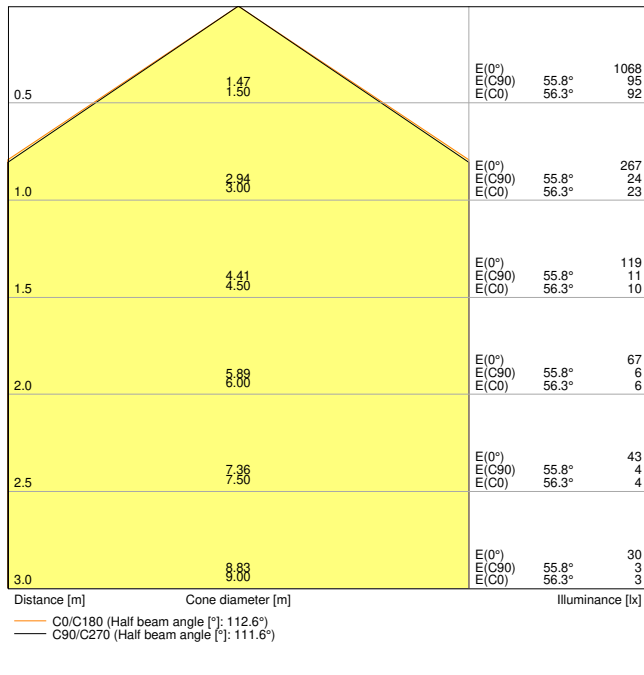
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**TECHNICAL DATA****Electrical data**

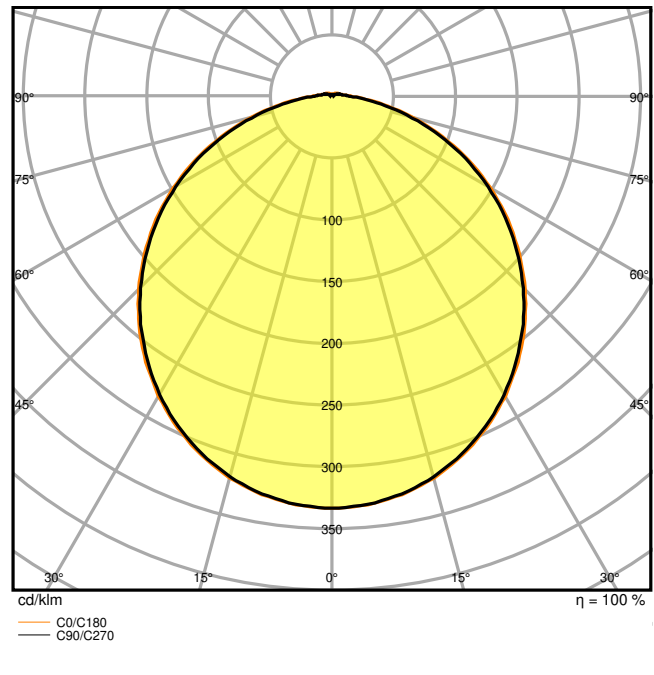
Nominal wattage	10.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	350.000 mA
Inrush current	4.52 A
Inrush current time $T_{h50}$	685 $\mu$ s
Max. no. of lum. on circuit break. B16 A	29
Max. no. of lum. on circuit break. C10 A	30
Max. no. of lum. on circuit break. C16 A	49
Power factor $\lambda$	$\geq 0.5$
Total harmonic distortion	< 8 %
Protection class	II
Operating mode	Integrated LED driver

**Photometrical data**

Luminous flux	800 lm
Luminous efficacy	80 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdc <sub>m</sub>
Luminous intensity	-
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 °



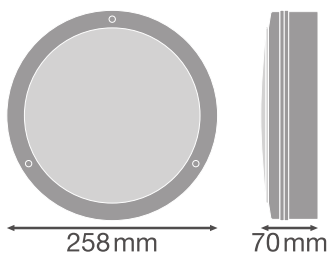
LDC typ cone



LDC typ polar

Dimensions & Weight

Diameter	250.00 mm
Height	70.00 mm
Product weight	640.00 g



Materials & Colors

Product color	White
Housing color	White
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)

Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...40 °C
Type of connection	Screwless terminal
Type of protection	IP65
Protection class IK (shock resistance)	IK10
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Outdoor
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	35000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	100000

<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	350 mA
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### Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	150 °
Sensor controlled switching time	5 s...30 min
Detection range of motion sensor	3...8 m
Detection threshold of daylight sensor	2...50 lx
Sensor IP rating	IP20

### Emergency lighting

Type of emergency operation test	None
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### Certificates & Standards

Standards	CE / CB
Luminaire with limited surface temperature, "D sign"	No

Ball shot safe

No

## EQUIPMENT / ACCESSORIES

- Additional cover rings in different designs available
- Mounting screws and dowels included

## 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



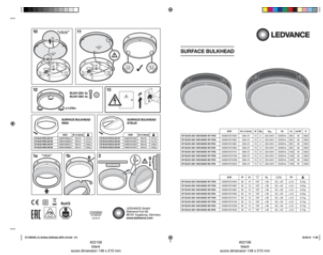
Tender documents

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075647220	Folding box 1	74 mm x 272 mm x 262 mm	722.00 g	5.27 dm <sup>3</sup>
4058075647237	Shipping box 8	550 mm x 285 mm x 315 mm	6358.00 g	49.38 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)

**DISCLAIMER**

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