PRODUCT DATASHEET
SF BLKH 250 P 10W 840 WT IP65

SURFACE BULKHEAD 250 ON/OFF | Robust wall and ceiling luminaire with IP65 protection

Areas of application

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

Product benefits

– Suitable for use in dusty and damp locations thanks to high IP rating
– Suitable for use in public areas thanks to high IK rating
– Multiple mounting patterns for convenient installation
– 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)

Product features

– 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)
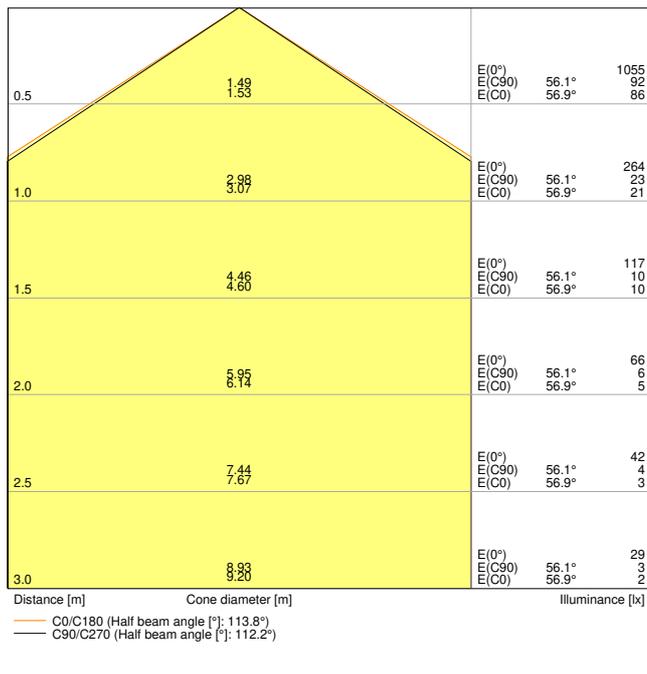– Ambient temperature in operation: -20...+40 °C
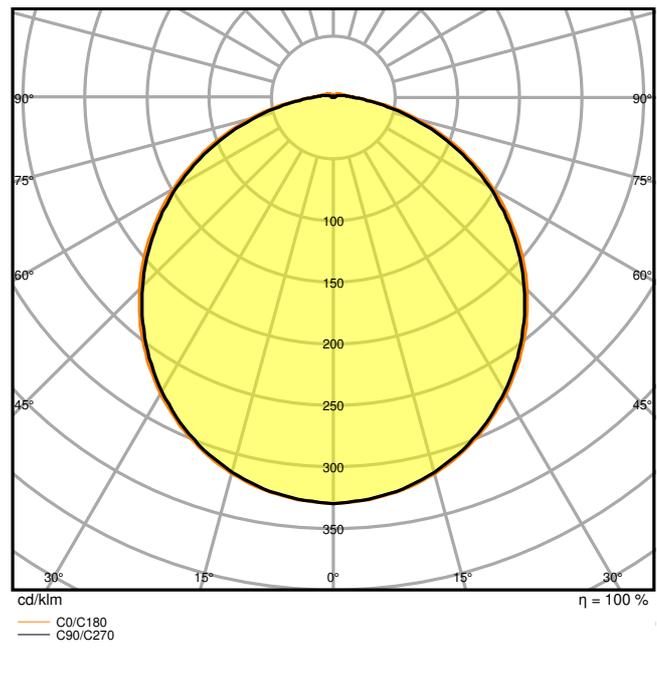
TECHNICAL DATA

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 µs
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	30
Max. number of luminaires per miniature circuit breaker C16	49
Power factor λ	≥0.7
Total harmonic distortion	< 8 %
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

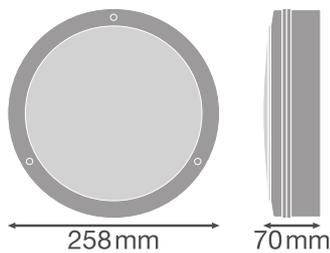|	
Luminous flux	800 lm
Luminous efficacy	80 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcm
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.49 / 1.53	E(0°) 56.1°	1055
		E(C90) 56.1°	92
		E(C0) 56.9°	86
1.0	2.98 / 3.07	E(0°)	264
		E(C90) 56.1°	23
		E(C0) 56.9°	21
1.5	4.46 / 4.60	E(0°)	117
		E(C90) 56.1°	10
		E(C0) 56.9°	10
2.0	5.95 / 6.14	E(0°)	66
		E(C90) 56.1°	6
		E(C0) 56.9°	5
2.5	7.44 / 7.67	E(0°)	42
		E(C90) 56.1°	4
		E(C0) 56.9°	3
3.0	8.93 / 9.20	E(0°)	29
		E(C90) 56.1°	3
		E(C0) 56.9°	2

— C0/C180 (Half beam angle [°]: 113.8°)
— C90/C270 (Half beam angle [°]: 112.2°)

LDC typ cone

cd/klm   η = 100 %

— C0/C180
— C90/C270

LDC typ polar

Dimensions & Weight

Diameter	250.00 mm
Height	70.00 mm
Product weight	580.00 g

258mm   70mm

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 [1]
Lifespan L80/B10 at 25 °C	35000 h [1]
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	100000

[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	350 mA

Emergency lighting

Type of emergency operation test	None

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	
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	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	
ZIP	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
4058075647169	Folding box 1	74 mm x 272 mm x 262 mm	662.00 g	5.27 dm³
4058075647176	Shipping box 8	550 mm x 285 mm x 315 mm	5878.00 g	49.38 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.