

PRODUCT DATASHEET

BLKH RD 250 P 9.5W CPS WT

BULKHEAD ROUND | Robust wall and ceiling luminaire with IP65 and IK10 protection



Areas of application

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

Product benefits

- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- Flexible mounting patterns for convenient installation
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Suitable for use in emergency lighting systems (DC capable)
- Separate decor element available for an aesthetic and functional product design

Product features

- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- High luminous efficacy: > 120 lm/W for 3000 K and 4000 K
- Impact resistance: IK10
- Type of protection: IP65
- Push wire terminal for tool-free connection
- Through-wiring possible



TECHNICAL DATA

Electrical data

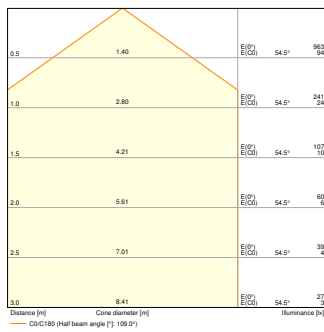
Nominal wattage	9.5 W / 8 W / 6.5 W / 5.5 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	42...37...30...25 mA
Inrush current	3.44 A
Inrush current time T _{h50}	3.284 µs
Max. number of luminaires per miniature circuit breaker B16	248
Max. number of luminaires per miniature circuit breaker C10	155
Max. number of luminaires per miniature circuit breaker C16	248
Power factor λ	> 0.80
Total harmonic distortion	< 15 %
Protection class	II
Operating mode	Integrated LED driver

¹⁾ For possible options refer to lumen/power table image

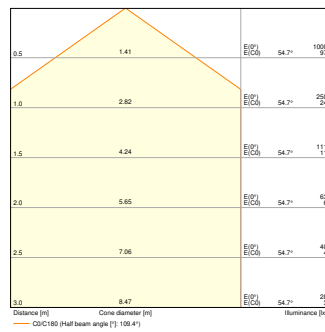
Photometrical data

Luminous flux	1220 lm / 1070 lm / 860 lm / 710 lm ¹⁾
Luminous efficacy	128 lm/W / 132 lm/W / 129 lm/W ¹⁾
Color temperature	3000 K / 4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	5 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

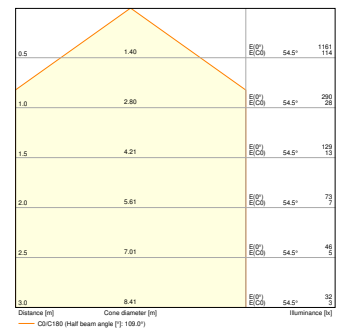
¹⁾ For possible options refer to lumen/power table image



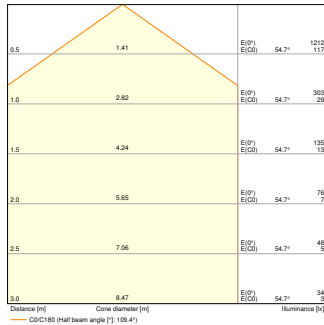
BLKH 250 P 5.5W 830 680lm



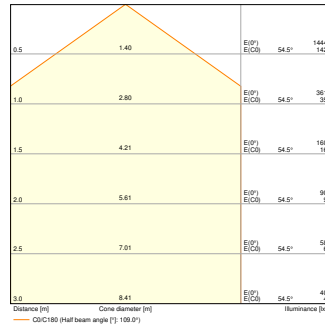
BLKH 250 P 5.5W 840 710lm



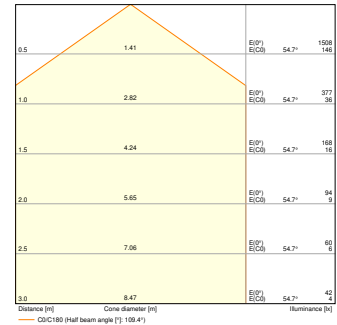
BLKH 250 P 6.5W 830 820lm



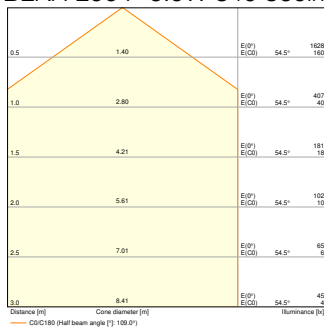
BLKH 250 P 6.5W 840 860lm



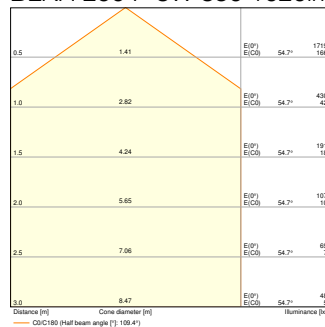
BLKH 250 P 8W 830 1020lm



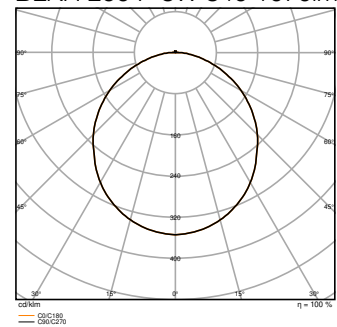
BLKH 250 P 8W 840 1070lm



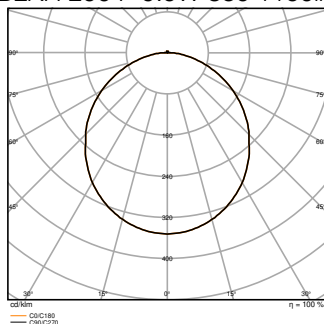
BLKH 250 P 9.5W 830 1150lm



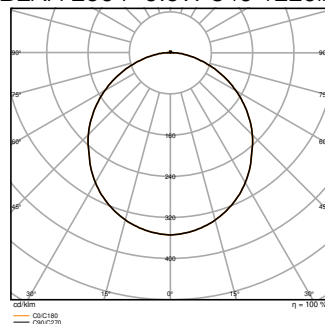
BLKH 250 P 9.5W 840 1220lm



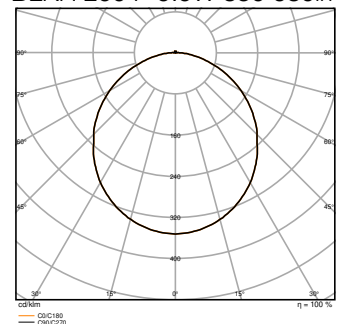
BLKH 250 P 5.5W 830 680lm



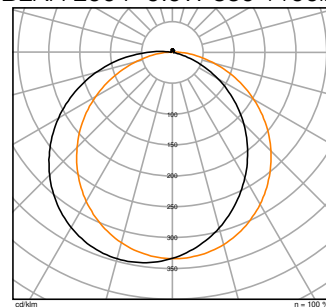
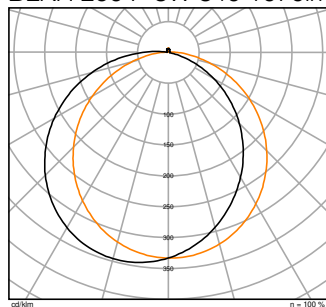
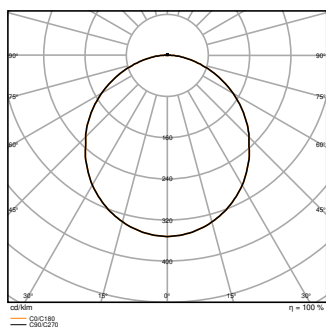
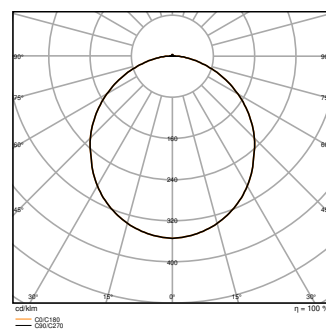
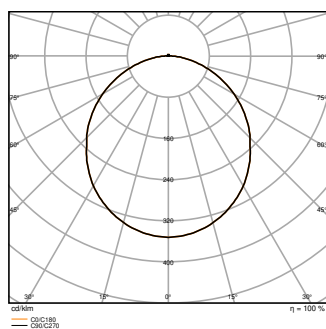
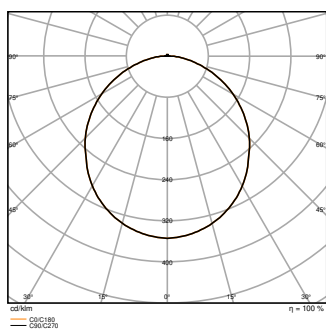
BLKH 250 P 5.5W 840 710lm



BLKH 250 P 6.5W 830 820lm



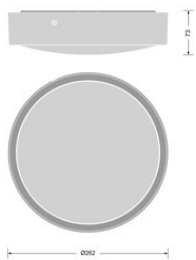
BLKH 250 P 6.5W 840 860lm



Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
9.5 W	4000 K	1200 lm	128 lm/W
9.5 W	3000 K	1150 lm	120 lm/W
8 W	4000 K	1070 lm	132 lm/W
8 W	3000 K	1020 lm	125 lm/W
6.5 W	4000 K	860 lm	132 lm/W
6.5 W	3000 K	820 lm	125 lm/W
5.5 W	4000 K	710 lm	129 lm/W
5.5 W	3000 K	680 lm	123 lm/W

Dimensions & Weight

Diameter	262.00 mm
Height	73.00 mm
Product weight	680.00 g



BLKH RD/SEN/EM 250 P 10W CPS

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
Temperature range at storage	-20...+80 °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
With light source	Yes
Replaceable light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h ¹⁾
Lifespan L80/B10 at 25 °C	55000 h ¹⁾

Lifespan L80/B50 at 25 °C	65000 h
Lifespan L90/B10 at 25 °C	40000 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...300...250...200 mA
ECG - Output ripple current	< 5 %

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None
Wattage in emergency operation mode	9.5 W
Luminous flux in emergency operation mode	1220 lm

Certificates & Standards

Standards	CE / CB / UKCA / EAC / ENEC / EL / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00029-V01.01-EN
Replaceable light source (EPREL)	Only by an expert

Additional product data

Added function	EVERLOOP / MULTI SELECT
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Accessories Optional

Product image	Product name	EAN
	BLKH RD Eyelid 300 BK	4099854286797
	BLKH RD Eyelid 300 WT	4099854286810

Product image	Product name	EAN
	BLKH RD Eyelid 250 WT	4099854286773
	BLKH RD Eyelid 250 BK	4099854286759
	LISOEV 250R 8W 830 840 BLKH	4099854311918
	DR DS-P- 10/220-240/350 BLKH	4099854286834

EQUIPMENT / ACCESSORIES

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

Upgrade and replacement components

Components Light Source		
Product image	Product name	EAN
	LISOEV 250R 8W 830 840 BLKH	4099854311918
Components Driver		
Product image	Product name	EAN
	DR DS-P- 10/220-240/350 BLKH	4099854286834

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	BLKH RD GEN2
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Light Source Insert G11233325
	Legal information	Legal Insert G11234785
	Legal information	Safety Insert G11234787
	Declarations of conformity	BLKH RD/LISOEV
	Declarations of conformity UKCA	BLKH RD/LISOEV
Photometric and lighting design files		Document name
	IES file (IES)	BLKH 250 P 9.5W 830 1150lm
	IES file (IES)	BLKH 250 P 9.5W 840 1220lm
	IES file (IES)	BLKH RD 250 P 9.5W 830 CPS WT with Eyelid
	IES file (IES)	BLKH RD 250 P 9.5W 840 CPS WT with Eyelid
	IES files (IES, additional)	BLKH 250 P 5.5W 830 680lm
	IES files (IES, additional)	BLKH 250 P 5.5W 840 710lm
	IES files (IES, additional)	BLKH 250 P 6.5W 830 820lm
	IES files (IES, additional)	BLKH 250 P 6.5W 840 860lm

Photometric and lighting design files		Document name
	IES files (IES, additional)	BLKH 250 P 8W 830 1020lm
	IES files (IES, additional)	BLKH 250 P 8W 840 1070lm
	LDT file (Eulumdat)	BLKH 250 P 9.5W 830 1150lm
	LDT file (Eulumdat)	BLKH 250 P 9.5W 840 1220lm
	LDT file (Eulumdat)	BLKH RD 250 P 9.5W 830 CPS WT with Eyelid
	LDT file (Eulumdat)	BLKH RD 250 P 9.5W 840 CPS WT with Eyelid
	LDT files (Eulumdat, additional)	BLKH 250 P 5.5W 830 680lm
	LDT files (Eulumdat, additional)	BLKH 250 P 5.5W 840 710lm
	LDT files (Eulumdat, additional)	BLKH 250 P 6.5W 830 820lm
	LDT files (Eulumdat, additional)	BLKH 250 P 6.5W 840 860lm
	LDT files (Eulumdat, additional)	BLKH 250 P 8W 830 1020lm
	LDT files (Eulumdat, additional)	BLKH 250 P 8W 840 1070lm
	ULD file (DIALux)	BLKH RD 250 P 9.5W CPS WT
	ROLF file (RELUX)	BLKH RD 250 P 9.5W CPS WT
	UGR file (UGR table)	BLKH 250 P 10W 830 1200lm
	UGR file (UGR table)	BLKH 250 P 10W 840 1200lm
	UGR file (UGR table)	BLKH 250 P 5.5W 830 680lm
	UGR file (UGR table)	BLKH 250 P 5.5W 840 710lm

Photometric and lighting design files		Document name
	UGR file (UGR table)	BLKH 250 P 6.5W 830 820lm
	UGR file (UGR table)	BLKH 250 P 6.5W 840 860lm
	UGR file (UGR table)	BLKH 250 P 8W 830 1020lm
	UGR file (UGR table)	BLKH 250 P 8W 840 1070lm
	UGR file (UGR table)	BLKH 250 P 9.5W 830 1150lm
	UGR file (UGR table)	BLKH 250 P 9.5W 840 1220lm
	Light distribution curve type cone	BLKH 250 P 5.5W 830 680lm
	Light distribution curve type cone	BLKH 250 P 5.5W 840 710lm
	Light distribution curve type cone	BLKH 250 P 6.5W 830 820lm
	Light distribution curve type cone	BLKH 250 P 6.5W 840 860lm
	Light distribution curve type cone	BLKH 250 P 8W 830 1020lm
	Light distribution curve type cone	BLKH 250 P 8W 840 1070lm
	Light distribution curve type cone	BLKH 250 P 9.5W 830 1150lm
	Light distribution curve type cone	BLKH 250 P 9.5W 840 1220lm
	Light distribution curve type polar	BLKH 250 P 5.5W 830 680lm
	Light distribution curve type polar	BLKH 250 P 5.5W 840 710lm
	Light distribution curve type polar	BLKH 250 P 6.5W 830 820lm
	Light distribution curve type polar	BLKH 250 P 6.5W 840 860lm
	Light distribution curve type polar	BLKH 250 P 8W 830 1020lm
	Light distribution curve type polar	BLKH 250 P 8W 840 1070lm
	Light distribution curve type polar	BLKH 250 P 9.5W 830 1150lm
	Light distribution curve type polar	BLKH 250 P 9.5W 840 1220lm
	Light distribution curve type polar	BLKH RD 250 P 9.5W 830 CPS WT with Eyelid
	Light distribution curve type polar	BLKH RD 250 P 9.5W 840 CPS WT with Eyelid
CAD/BIM files		Document name
	BIM Revit 3D	Bulkhead Round
	CAD STEP 3D	BLKH G2 250

Tender texts	Document name
 Tender documents	BULKHEAD ROUND 250 P 9.5W CPS WT-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854286100	Folding box 1	77 mm x 266 mm x 266 mm	783.00 g	5.45 dm ³
4099854286117	Shipping box 8	545 mm x 280 mm x 335 mm	6814.00 g	51.12 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

BLKXH RD 250					BLKXH RD SEN 250				
WAC	5,0	0	6,0	6,0	WAC	10	6,0	7	6
T (pieces)	4000	3000	4000	3000	4000	3000	4000	3000	4000
Im	1000	1000	1000	1000	800	800	800	800	800
ImW	1000	1000	1000	1000	800	800	800	800	800

BLKXH RD SEN 250					BLKXH RD SEN 250				
WAC	17	10	12,0	10	WAC	10	10,0	10	10
T (pieces)	4000	3000	4000	3000	4000	3000	4000	3000	4000
Im	2000	1000	1000	1000	1000	1000	1000	1000	1000
ImW	1000	1000	1000	1000	1000	1000	1000	1000	1000

	B10	B16	C10	C16
BLKXH RD 250 P 10W CPS BK	155	248	155	248
BLKXH RD 250 P 10W CPS WT				
BLKXH RD 250 P 10W CPS BK	63	79	63	101
BLKXH RD 250 P 10W CPS WT				
BLKXH RD SEN 250 P 10W CPS BK	140	224	140	224
BLKXH RD SEN 250 P 10W CPS WT				
BLKXH RD SEN 250 P 10W CPS BK	63	79	63	101
BLKXH RD SEN 250 P 10W CPS WT				

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.