

# PRODUCT DATASHEET

## BLKH RD 250 P 9.5W CPS BK

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
- 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

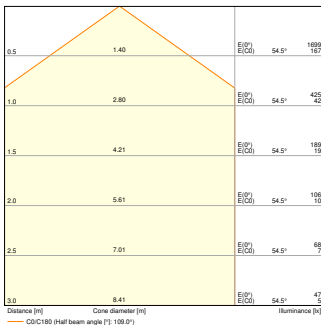
Nominal wattage	9.5 W / 8 W / 6.5 W / 5.5 W <sup>1)</sup>
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	42...37...30...25 mA
Inrush current	3.44 A
Inrush current time $T_{h50}$	3.284 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	248
Max. number of luminaires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

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

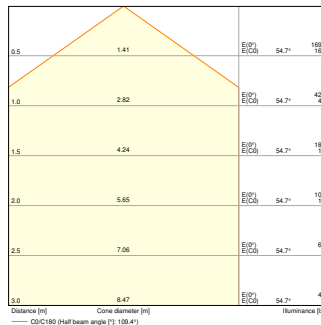
### Photometrical data

Luminous flux	1220 lm / 1070 lm / 860 lm / 710 lm <sup>1)</sup>
Luminous efficacy	128 lm/W / 132 lm/W / 129 lm/W <sup>1)</sup>
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 °

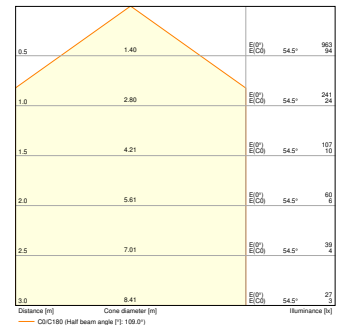
<sup>1)</sup> For possible options refer to lumen/power table image



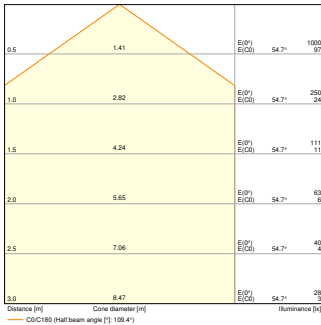
BLKH 250 P 10W 830 1200lm



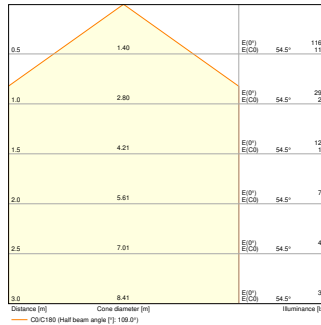
BLKH 250 P 10W 840 1200lm



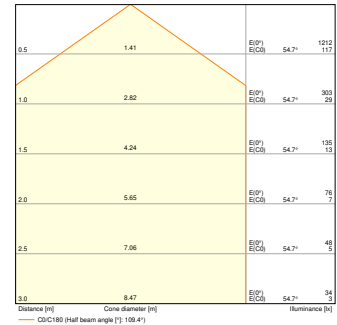
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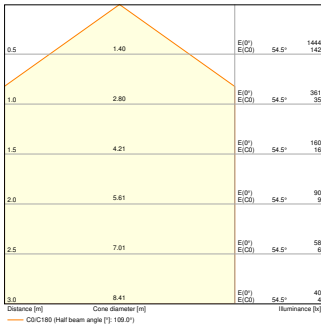
BLKH 250 P 5.5W 840 710lm



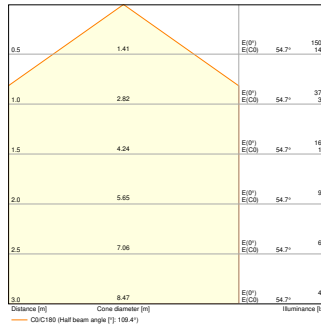
BLKH 250 P 6.5W 830 820lm



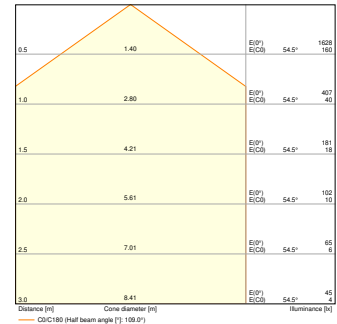
BLKH 250 P 6.5W 840 860lm



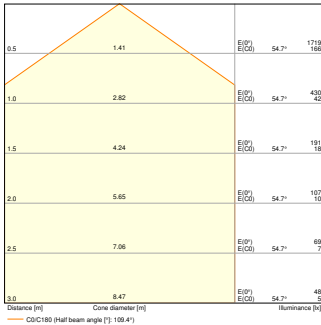
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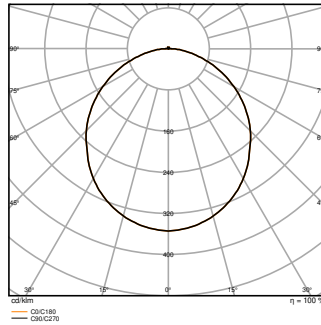
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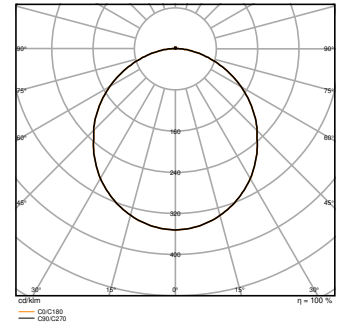
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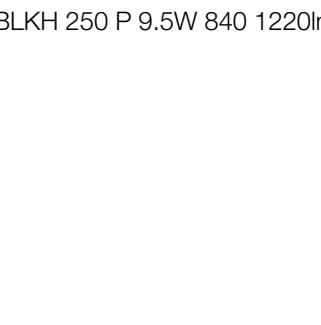
BLKH 250 P 8W 840 1070lm



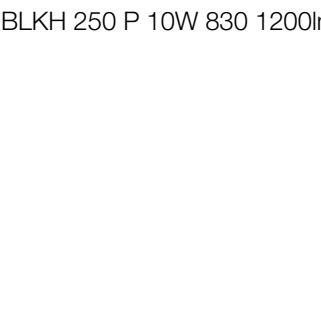
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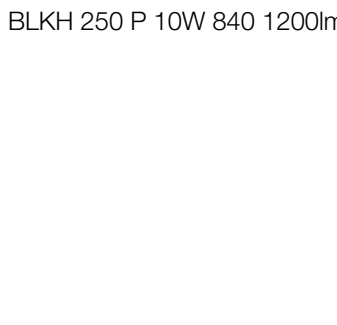
BLKH 250 P 9.5W 830 1150lm



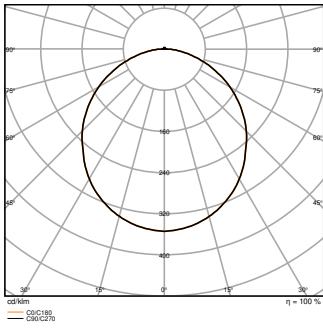
BLKH 250 P 9.5W 840 1220lm



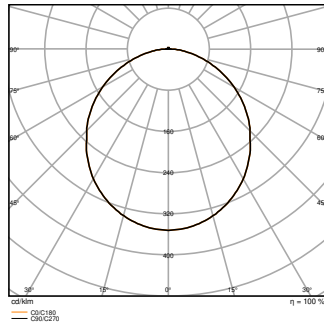
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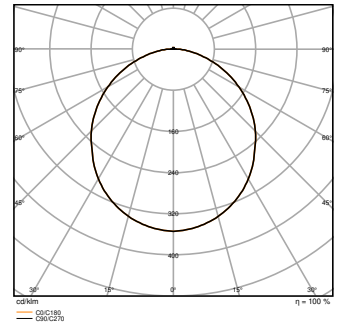
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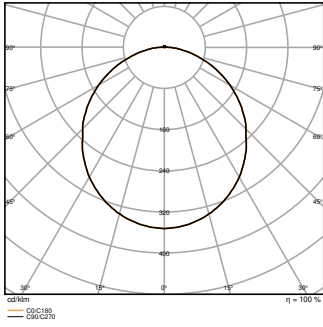
BLKH 250 P 5.5W 830 680lm



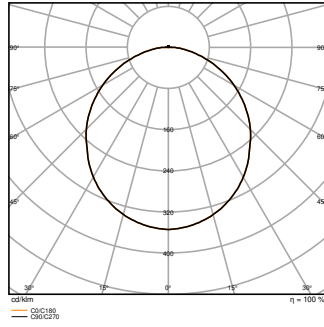
BLKH 250 P 5.5W 840 710lm



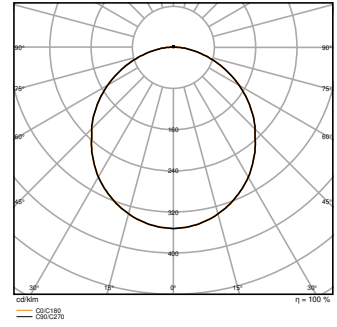
BLKH 250 P 6.5W 830 820lm



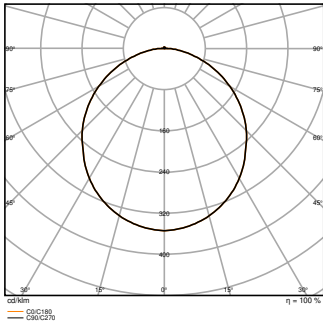
BLKH 250 P 6.5W 840 860lm



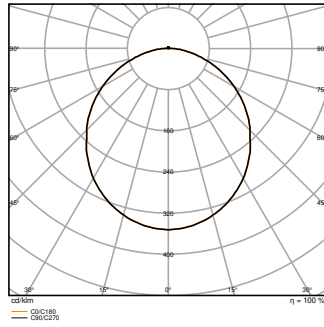
BLKH 250 P 8W 830 1020lm



BLKH 250 P 8W 840 1070lm



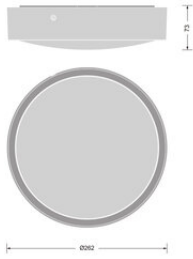
BLKH 250 P 9.5W 830 1150lm



BLKH 250 P 9.5W 840 1220lm

### 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	Black
Housing color	Black
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

### Lifespan

Lifespan L70/B50 at 25 °C	70000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	55000 h <sup>1)</sup>
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 %

### Certificates & Standards

Standards	CE / CB / UKGA / 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)	Not replaceable






### Additional product data


















Added function	EVERLOOP / MULTI SELECT
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













### EQUIPMENT / ACCESSORIES

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







### DOWNLOAD DATA



Documents and certificates		Document name
	User instruction / safety instructions	BLKH RD GEN2
	Legal information	Legal Insert BLKH RD
	Legal information	Light Source Insert BLKH RD GEN2
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	BLKH RD/LISOEV


Documents and certificates		Document name
	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 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
	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 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

	Photometric and lighting design files	Document name
	ULD file (DIALux)	BLKH RD 250 P 9.5W CPS BK
	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
	UGR file (UGR table)	BLKH 250 P 6.5W 830 820lm
	UGR file (UGR table)	BLKH 250 P 6.5W 840 860lm
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	UGR file (UGR table)	BLKH 250 P 9.5W 840 1220lm
	Light distribution curve type cone	BLKH 250 P 10W 830 1200lm
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	Light distribution curve type cone	BLKH 250 P 5.5W 830 680lm
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	Light distribution curve type cone	BLKH 250 P 9.5W 840 1220lm
	Light distribution curve type polar	BLKH 250 P 10W 830 1200lm
	Light distribution curve type polar	BLKH 250 P 10W 840 1200lm
	Light distribution curve type polar	BLKH 250 P 5.5W 830 680lm
	Light distribution curve type polar	BLKH 250 P 5.5W 840 710lm



Photometric and lighting design files	Document name
 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

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 BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854286087	Folding box 1	77 mm x 266 mm x 266 mm	783.00 g	5.45 dm <sup>3</sup>
4099854286094	Shipping box 8	545 mm x 280 mm x 335 mm	6814.00 g	51.12 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

<table border="1"> <caption>BLKH RD 250</caption> <tr><td>WAC</td><td>8.5</td><td>8</td><td>8.5</td><td>8.5</td></tr> <tr><td>T (Pieces)</td><td>4000</td><td>3000</td><td>4000</td><td>3000</td></tr> <tr><td>Net</td><td>1200</td><td>1000</td><td>1200</td><td>1000</td></tr> <tr><td>NetW</td><td>108</td><td>102</td><td>102</td><td>108</td></tr> </table>	WAC	8.5	8	8.5	8.5	T (Pieces)	4000	3000	4000	3000	Net	1200	1000	1200	1000	NetW	108	102	102	108	<table border="1"> <caption>BLKH RD SEN 250</caption> <tr><td>WAC</td><td>10</td><td>8.5</td><td>7</td><td>8</td></tr> <tr><td>T (Pieces)</td><td>4000</td><td>4000</td><td>4000</td><td>4000</td></tr> <tr><td>Net</td><td>1000</td><td>1000</td><td>1000</td><td>1000</td></tr> <tr><td>NetW</td><td>102</td><td>118</td><td>118</td><td>102</td></tr> </table>	WAC	10	8.5	7	8	T (Pieces)	4000	4000	4000	4000	Net	1000	1000	1000	1000	NetW	102	118	118	102	<table border="1"> <tr><th>B10</th><th>B16</th><th>C10</th><th>C16</th></tr> <tr><td>BLKH RD 250 P 10W CPS BK</td><td>155</td><td>248</td><td>155</td><td>248</td></tr> <tr><td>BLKH RD 250 P 10W CPS WT</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD 250 P 10W CPS BK</td><td>83</td><td>79</td><td>83</td><td>101</td></tr> <tr><td>BLKH RD 250 P 10W CPS WT</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD SEN 250 P 10W CPS BK</td><td>140</td><td>224</td><td>140</td><td>224</td></tr> <tr><td>BLKH RD SEN 250 P 10W CPS WT</td><td></td><td></td><td></td><td></td></tr> <tr><td>BLKH RD SEN 250 P 10W CPS BK</td><td>83</td><td>79</td><td>83</td><td>101</td></tr> <tr><td>BLKH RD SEN 250 P 10W CPS WT</td><td></td><td></td><td></td><td></td></tr> </table>	B10	B16	C10	C16	BLKH RD 250 P 10W CPS BK	155	248	155	248	BLKH RD 250 P 10W CPS WT					BLKH RD 250 P 10W CPS BK	83	79	83	101	BLKH RD 250 P 10W CPS WT					BLKH RD SEN 250 P 10W CPS BK	140	224	140	224	BLKH RD SEN 250 P 10W CPS WT					BLKH RD SEN 250 P 10W CPS BK	83	79	83	101	BLKH RD SEN 250 P 10W CPS WT				
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References / Links

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

DISCLAIMER

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