PRODUCT DATASHEET
BLKH RD 300 P 17W ML 83040 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	17 W / 15 W / 12.5 W / 10 W [1]
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	75…65…55…45 mA
Inrush current	9.5 A
Inrush current time T_{h50}	26.8 µs
Max. number of luminaires per miniature circuit breaker B16	79
Max. number of luminaires per miniature circuit breaker C10	63
Max. number of luminaires per miniature circuit breaker C16	101
Power factor λ	> 0.90
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	2270 lm / 1990 lm / 1700 lm / 1400 lm [1]
Luminous efficacy	132 lm/W / 136 lm/W / 138 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 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

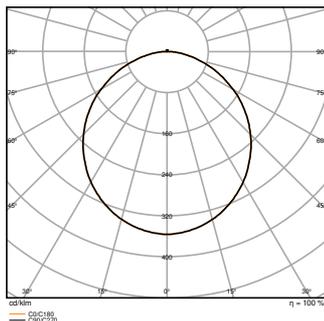[1] For possible options refer to lumen/power table image
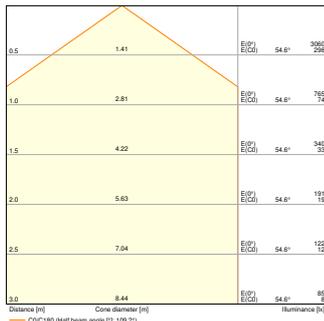
BLKH 300 P 17W 830 2140lm
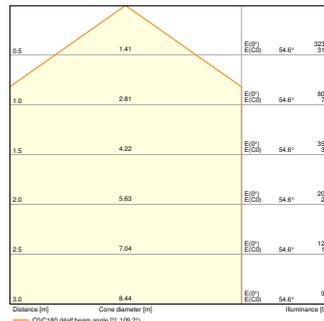
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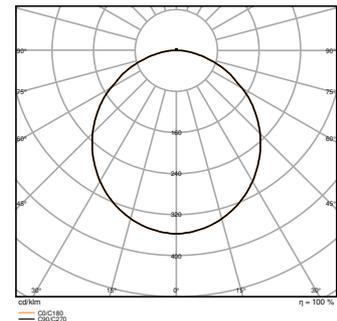
BLKH 300 P 17W 830 2140lm

BLKH 300 P 17W 840 2270lm
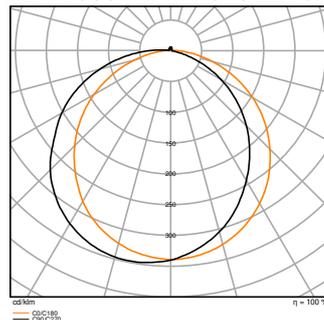
BLKH RD 300 P 17W 830 CPS WT
with Eyelid
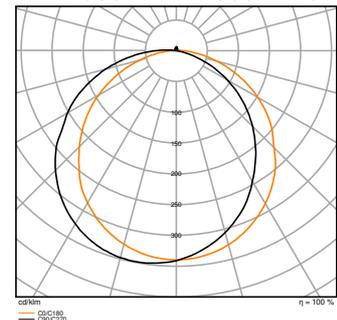
BLKH RD 300 P 17W 840 CPS WT
with Eyelid

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
17 W	4000 K	2270 lm	132 lm/W
17 W	3000 K	2140 lm	125 lm/W
15 W	4000 K	1990 lm	132 lm/W
15 W	3000 K	1880 lm	125 lm/W
12.5 W	4000 K	1700 lm	136 lm/W
12.5 W	3000 K	1600 lm	128 lm/W
10 W	4000 K	1400 lm	138 lm/W
10 W	3000 K	1310 lm	130 lm/W

Dimensions & Weight

Diameter	312.00 mm
Height	73.00 mm
Product weight	900.00 g
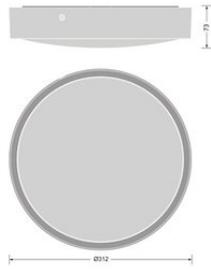
BULKHEAD ROUND 300 P

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9005
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	370…320…270…220 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	17 W
Luminous flux in emergency operation mode	2270 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)	Not replaceable

Additional product data

Added function	EVERLOOP / MULTI SELECT

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 300R 15W 830 840 BLKH	4099854311970
	DR DS-P- 18/220-240/370 BLKH	4099854286858

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 300R 15W 830 840 BLKH	4099854311970

Components Driver		

Product image	Product name	EAN
	DR DS-P- 18/220-240/370 BLKH	4099854286858

Safety advice

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	BLKH RD GEN2
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Light Source Insert G11233325
PDF	Legal information	Legal Insert G11234785
PDF	Legal information	Safety Insert G11234787
PDF	Declarations of conformity	BLKH RD/LISOEV
PDF	Declarations of conformity UKCA	BLKH RD/LISOEV
PDF	EPD	EPD EN BULKHEAD ROUND

	Photometric and lighting design files	Document name
IES	IES file (IES)	BLKH 300 P 17W 830 2140lm
IES	IES file (IES)	BLKH 300 P 17W 840 2270lm
IES	IES file (IES)	BLKH RD 300 P 17W 830 CPS WT with Eyelid
IES	IES file (IES)	BLKH RD 300 P 17W 840 CPS WT with Eyelid
LDT	LDT file (Eulumdat)	BLKH 300 P 17W 830 2140lm
LDT	LDT file (Eulumdat)	BLKH 300 P 17W 840 2270lm
LDT	LDT file (Eulumdat)	BLKH RD 300 P 17W 830 CPS WT with Eyelid

	Photometric and lighting design files	Document name
	LDT file (Eulumdat)	BLKH RD 300 P 17W 840 CPS WT with Eyelid
	ULD file (DIALux)	BLKH RD 300 P 17W CPS WT
	ROLF file (RELUX)	BLKH RD 300 P 17W CPS WT
	UGR file (UGR table)	BLKH 300 P 16W 830 2000lm
	UGR file (UGR table)	BLKH 300 P 16W 840 2000lm
	UGR file (UGR table)	BLKH 300 P 10W 830 1310lm
	UGR file (UGR table)	BLKH 300 P 10W 840 1310lm
	UGR file (UGR table)	BLKH 300 P 12.5W 830 1600lm
	UGR file (UGR table)	BLKH 300 P 12.5W 840 1600lm
	UGR file (UGR table)	BLKH 300 P 15W 830 1880lm
	UGR file (UGR table)	BLKH 300 P 15W 840 1990lm
	UGR file (UGR table)	BLKH 300 P 17W 830 2140lm
	UGR file (UGR table)	BLKH 300 P 17W 840 2270lm
	Light distribution curve type cone	BLKH 300 P 17W 830 2140lm
	Light distribution curve type cone	BLKH 300 P 17W 840 2270lm
	Light distribution curve type polar	BLKH 300 P 17W 830 2140lm
	Light distribution curve type polar	BLKH 300 P 17W 840 2270lm
	Light distribution curve type polar	BLKH RD 300 P 17W 830 CPS WT with Eyelid
	Light distribution curve type polar	BLKH RD 300 P 17W 840 CPS WT with Eyelid

	CAD/BIM files	Document name
	BIM Revit 3D	Bulkhead Round

CAD/BIM files	Document name
CAD STEP 3D	BLKH G2 300

Tender texts	Document name
Tender documents	BULKHEAD ROUND 300 P 17W CPS WT-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854286148	Folding box 1	77 mm x 317 mm x 317 mm	1034.00 g	7.74 dm³
4099854286155	Shipping box 8	650 mm x 330 mm x 335 mm	8932.00 g	71.86 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.

ADDITIONAL CATALOG INFORMATION

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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