

PRODUCT DATASHEET

BLKH RD 300 P 17W ML 83040 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
- 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

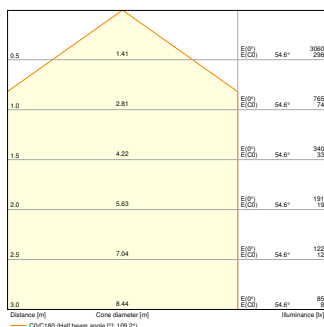
Nominal wattage	17 W / 15 W / 12.5 W / 10 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	75...65...55...45 mA
Inrush current	9.5 A
Inrush current time T _{h50}	26.8 µs
Max. number of luminaires per miniature circuit breaker B16	79
Max. number of luminaires per miniature circuit 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

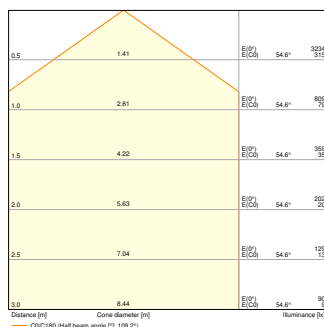
Photometrical data

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 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

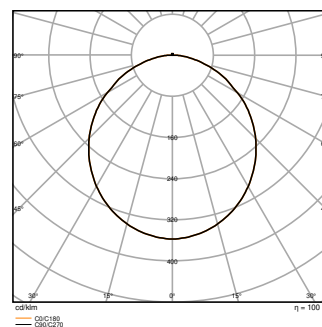
¹⁾ For possible options refer to lumen/power table image



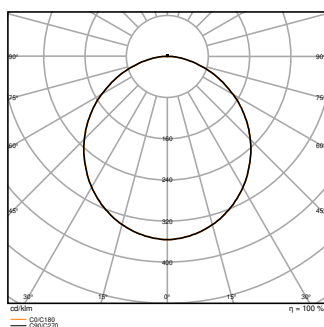
BLKH 300 P 17W 830 2140lm



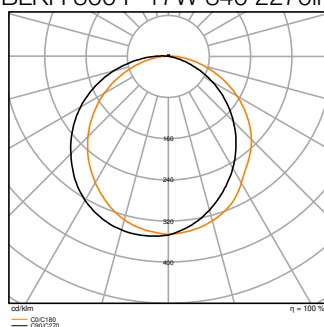
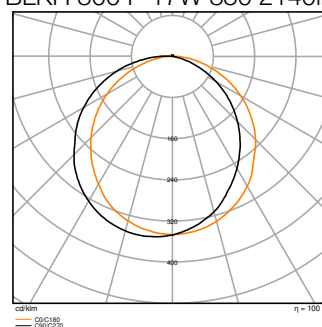
BLKH 300 P 17W 840 2270lm



BLKH 300 P 17W 830 2140lm



BLKH 300 P 17W 840 2270lm

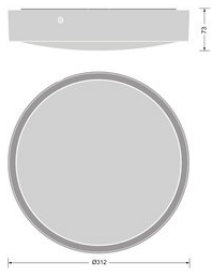
BLKH RD 300 P 17W 830 CPS BK
with EyelidBLKH RD 300 P 17W 840 CPS BK
with Eyelid

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



BLKH RD/SEN/DA/EM 300 P 16W

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9003
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
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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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
	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 300 P 17W 830 2140lm
	IES file (IES)	BLKH 300 P 17W 840 2270lm
	IES file (IES)	BLKH RD 300 P 17W 830 CPS BK with Eyelid
	IES file (IES)	BLKH RD 300 P 17W 840 CPS BK with Eyelid
	IES files (IES, additional)	BLKH 300 P 10W 830 1310lm
	IES files (IES, additional)	BLKH 300 P 10W 840 1400lm
	IES files (IES, additional)	BLKH 300 P 12.5W 830 1600lm
	IES files (IES, additional)	BLKH 300 P 12.5W 840 1700lm

Photometric and lighting design files		Document name
	IES files (IES, additional)	BLKH 300 P 15W 830 1880lm
	IES files (IES, additional)	BLKH 300 P 15W 840 1990lm
	LDT file (Eulumdat)	BLKH 300 P 17W 830 2140lm
	LDT file (Eulumdat)	BLKH 300 P 17W 840 2270lm
	LDT file (Eulumdat)	BLKH RD 300 P 17W 830 CPS BK with Eyelid
	LDT file (Eulumdat)	BLKH RD 300 P 17W 840 CPS BK with Eyelid
	LDT files (Eulumdat, additional)	BLKH 300 P 10W 830 1310lm
	LDT files (Eulumdat, additional)	BLKH 300 P 10W 840 1400lm
	LDT files (Eulumdat, additional)	BLKH 300 P 12.5W 830 1600lm
	LDT files (Eulumdat, additional)	BLKH 300 P 12.5W 840 1700lm
	LDT files (Eulumdat, additional)	BLKH 300 P 15W 830 1880lm
	LDT files (Eulumdat, additional)	BLKH 300 P 15W 840 1990lm
	ULD file (DIALux)	BLKH RD 300 P 17W CPS BK
	ROLF file (RELUX)	BLKH RD 300 P 17W CPS BK
	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 1400lm

Photometric and lighting design files		Document name
	UGR file (UGR table)	BLKH 300 P 12.5W 830 1600lm
	UGR file (UGR table)	BLKH 300 P 12.5W 840 1700lm
	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 BK with Eyelid
	Light distribution curve type polar	BLKH RD 300 P 17W 840 CPS BK with Eyelid
CAD/BIM files		Document name
	BIM Revit 3D	Bulkhead Round
	CAD STEP 3D	BLKH G2 300
Tender texts		Document name
	Tender documents	BULKHEAD ROUND 300 P 17W CPS BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854286124	Folding box 1	77 mm x 317 mm x 317 mm	1034.00 g	7.74 dm ³
4099854286131	Shipping box 8	650 mm x 330 mm x 335 mm	8932.00 g	71.86 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

										B10					B18					C10					C18				
BLKH RD 250					BLKH RD 300					BLKH RD 350					BLKH RD 400					BLKH RD 450					BLKH RD 500				
WAC	6.5	8	8.5	8.5	WAC	10	12.5	15	15	WAC	15	17.5	20	20	WAC	18	20	22.5	22.5	WAC	20	22.5	25	25					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	1200	1100	1070	1050	lm	1200	1100	1070	1050	lm	1200	1100	1070	1050	lm	1200	1100	1070	1050	lm	1200	1100	1070	1050					
lm/W	120	110	107	105	lm/W	120	110	107	105	lm/W	120	110	107	105	lm/W	120	110	107	105	lm/W	120	110	107	105					
BLKH RD 550					BLKH RD 600					BLKH RD 650					BLKH RD 700					BLKH RD 750					BLKH RD 800				
WAC	17	18	18.5	18	WAC	18	18.5	19	19	WAC	19	19.5	20	20	WAC	20	20.5	21	21	WAC	21	21.5	22	22					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	2270	2140	2080	2050	lm	2200	2100	2050	2000	lm	2200	2100	2050	2000	lm	2200	2100	2050	2000	lm	2200	2100	2050	2000					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 850					BLKH RD 900					BLKH RD 950					BLKH RD 1000					BLKH RD 1050					BLKH RD 1100				
WAC	22	23	23.5	22	WAC	23	23.5	24	24	WAC	24	24.5	25	25	WAC	25	25.5	26	26	WAC	26	26.5	27	27					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	2500	2350	2280	2250	lm	2400	2300	2250	2200	lm	2400	2300	2250	2200	lm	2400	2300	2250	2200	lm	2400	2300	2250	2200					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 1150					BLKH RD 1200					BLKH RD 1250					BLKH RD 1300					BLKH RD 1350					BLKH RD 1400				
WAC	27	28	28.5	27	WAC	28	28.5	29	29	WAC	29	29.5	30	30	WAC	30	30.5	31	31	WAC	31	31.5	32	32					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	2700	2550	2480	2450	lm	2600	2500	2450	2400	lm	2600	2500	2450	2400	lm	2600	2500	2450	2400	lm	2600	2500	2450	2400					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 1450					BLKH RD 1500					BLKH RD 1550					BLKH RD 1600					BLKH RD 1650					BLKH RD 1700				
WAC	32	33	33.5	32	WAC	33	33.5	34	34	WAC	34	34.5	35	35	WAC	35	35.5	36	36	WAC	36	36.5	37	37					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	3000	2850	2780	2750	lm	2900	2800	2750	2700	lm	2900	2800	2750	2700	lm	2900	2800	2750	2700	lm	2900	2800	2750	2700					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 1750					BLKH RD 1800					BLKH RD 1850					BLKH RD 1900					BLKH RD 1950					BLKH RD 2000				
WAC	37	38	38.5	37	WAC	38	38.5	39	39	WAC	39	39.5	40	40	WAC	40	40.5	41	41	WAC	41	41.5	42	42					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	3300	3150	3080	3050	lm	3200	3100	3050	3000	lm	3200	3100	3050	3000	lm	3200	3100	3050	3000	lm	3200	3100	3050	3000					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 2050					BLKH RD 2100					BLKH RD 2150					BLKH RD 2200					BLKH RD 2250					BLKH RD 2300				
WAC	42	43	43.5	42	WAC	43	43.5	44	44	WAC	44	44.5	45	45	WAC	45	45.5	46	46	WAC	46	46.5	47	47					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	3600	3450	3380	3350	lm	3500	3400	3350	3300	lm	3500	3400	3350	3300	lm	3500	3400	3350	3300	lm	3500	3400	3350	3300					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 2350					BLKH RD 2400					BLKH RD 2450					BLKH RD 2500					BLKH RD 2550					BLKH RD 2600				
WAC	47	48	48.5	47	WAC	48	48.5	49	49	WAC	49	49.5	50	50	WAC	50	50.5	51	51	WAC	51	51.5	52	52					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	3900	3750	3680	3650	lm	3800	3700	3650	3600	lm	3800	3700	3650	3600	lm	3800	3700	3650	3600	lm	3800	3700	3650	3600					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 2650					BLKH RD 2700					BLKH RD 2750					BLKH RD 2800					BLKH RD 2850					BLKH RD 2900				
WAC	52	53	53.5	52	WAC	53	53.5	54	54	WAC	54	54.5	55	55	WAC	55	55.5	56	56	WAC	56	56.5	57	57					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	4200	4050	3980	3950	lm	4100	4000	3950	3900	lm	4100	4000	3950	3900	lm	4100	4000	3950	3900	lm	4100	4000	3950	3900					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 2950					BLKH RD 3000					BLKH RD 3050					BLKH RD 3100					BLKH RD 3150					BLKH RD 3200				
WAC	57	58	58.5	57	WAC	58	58.5	59	59	WAC	59	59.5	60	60	WAC	60	60.5	61	61	WAC	61	61.5	62	62					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	4500	4350	4280	4250	lm	4400	4300	4250	4200	lm	4400	4300	4250	4200	lm	4400	4300	4250	4200	lm	4400	4300	4250	4200					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 3250					BLKH RD 3300					BLKH RD 3350					BLKH RD 3400					BLKH RD 3450					BLKH RD 3500				
WAC	62	63	63.5	62	WAC	63	63.5	64	64	WAC	64	64.5	65	65	WAC	65	65.5	66	66	WAC	66	66.5	67	67					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	4800	4650	4580	4550	lm	4700	4600	4550	4500	lm	4700	4600	4550	4500	lm	4700	4600	4550	4500	lm	4700	4600	4550	4500					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 3550					BLKH RD 3600					BLKH RD 3650					BLKH RD 3700					BLKH RD 3750					BLKH RD 3800				
WAC	67	68	68.5	67	WAC	68	68.5	69	69	WAC	69	69.5	70	70	WAC	70	70.5	71	71	WAC	71	71.5	72	72					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	5100	4950	4880	4850	lm	5000	4900	4850	4800	lm	5000	4900	4850	4800	lm	5000	4900	4850	4800	lm	5000	4900	4850	4800					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 3850					BLKH RD 3900					BLKH RD 3950					BLKH RD 4000					BLKH RD 4050					BLKH RD 4100				
WAC	72	73	73.5	72	WAC	73	73.5	74	74	WAC	74	74.5	75	75	WAC	75	75.5	76	76	WAC	76	76.5	77	77					
T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000	T (K)	4000	4000	4000	4000					
lm	5400	5250	5180	5150	lm	5300	5200	5150	5100	lm	5300	5200	5150	5100	lm	5300	5200	5150	5100	lm	5300	5200	5150	5100					
lm/W	132	125	122	120	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113	lm/W	128	122	117	113					
BLKH RD 4150					BLKH RD 4200					BLKH RD 4250					BLKH RD 4300					BLKH RD 4350					BLKH RD 4400				
WAC	77	78	78.5	77	WAC	78	78.5	79	79	WAC	79	79.5	80</																