PRODUCT DATASHEET
BLKH RD DA 300 P 15.5W 840 WT

BULKHEAD ROUND DALI | Robust wall and ceiling luminaire with IP65 and IK10 protection and DALI-2 technology

Areas of application

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

Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- Push DIM application for easy control
- High-quality dimming of 1…100 %
- 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

- IoT-ready luminaire with DALI-2 technology
- Suitable for central battery emergency installations acc. to EN 60598-2-22
- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- Impact resistance: IK10
- Type of protection: IP65

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- Push wire terminal for tool-free connection
- Through-wiring possible

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TECHNICAL DATA

Electrical data

Nominal wattage	15.50 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	69 mA
Inrush current	5.13 A
Inrush current time T_{h50}	26 µs
Max. number of luminaires per miniature circuit breaker B16	146
Max. number of luminaires per miniature circuit breaker C10	115
Max. number of luminaires per miniature circuit breaker C16	185
Power factor λ	> 0.90
Total harmonic distortion	< 25 %
Protection class	II
Surge capability (L-N)	1000 V
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

Photometrical data

Luminous flux	2080 lm
Luminous efficacy	134 lm/W
Color temperature	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 °

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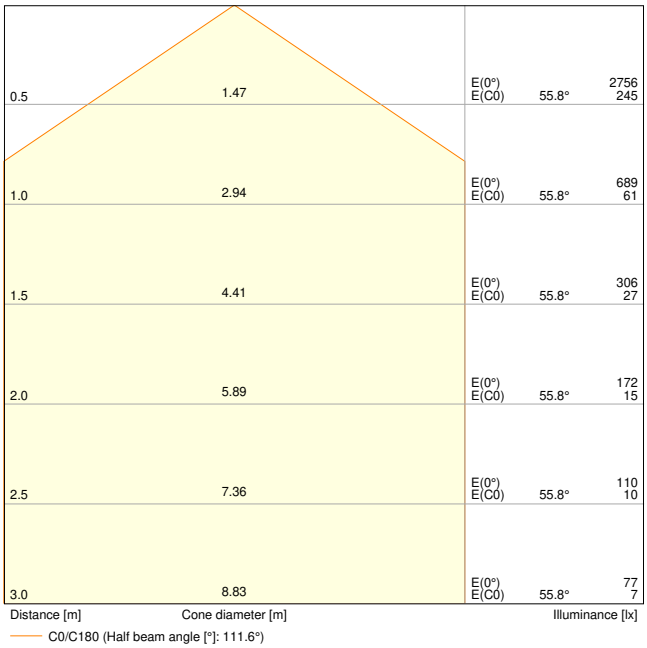
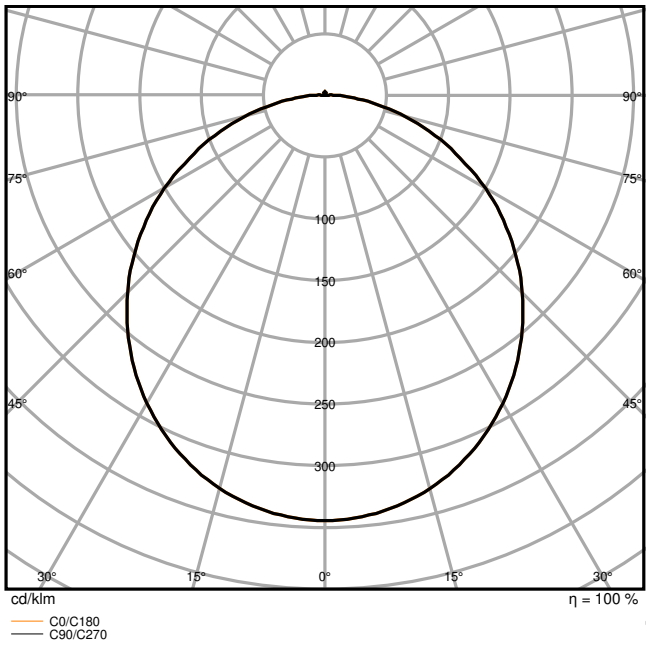


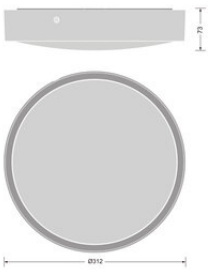
BLKH 300 P 16W 840 2000lm



BLKH 300 P 16W 840 2000lm

Dimensions & Weight

Diameter	312.00 mm
Height	73.00 mm
Product weight	978.00 g



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

Materials & Colors

Product color	White

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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, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP65
Protection class IK (shock resistance)	IK10
Dimmable	Yes
Type of dimming	DALI2
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Outdoor
With light source	Yes
Replaceable light source	Yes

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

Lifespan

Lifespan L70/B50 at 25 °C	99000 h [1)]
Lifespan L80/B10 at 25 °C	72000 h [1)]
Lifespan L80/B50 at 25 °C	65000 h
Lifespan L90/B10 at 25 °C	46000 h
Number of switching cycles	60000

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
ECG - Output ripple current	< 5 %

BATTERY

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Nominal capacity of battery	4500 mAh

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	2.2 W
Luminous flux in emergency operation mode	300 lm

Certificates & Standards

Standards	CE / CB / UKCA / EAC / ENEC / EL
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Only by an expert

Additional product data

Product remark	Available from June 2025
Added function	EVERLOOP / VIVARES

Accessories Optional

Product image	Product name	EAN
	BLKH RD Eyelid 300 BK	4099854286797
	BLKH RD Eyelid 300 WT	4099854286810
	DR DALI-P -30/220-240/700	4058075845367
	LISOEV 300R 15W 830 840 BLKH	4099854311970

EQUIPMENT / ACCESSORIES

– Additional cover rings in different designs available

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- Mounting screws and dowels included
- Anti-theft screw included

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	BULKHEAD ROUND DALI
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11218810
PDF	Legal information	Legal Insert G11234786
PDF	Legal information	Light Source Insert G11232868
PDF	Declarations of conformity	BLKH RD
PDF	Declarations of conformity UKCA	BLKH RD

	Photometric and lighting design files	Document name
IES	IES file (IES)	BLKH 300 P 16W 840 2000lm
LDT	LDT file (Eulumdat)	BLKH 300 P 16W 840 2000lm
	UGR file (UGR table)	BLKH 300 P 16W 840 2000lm
	Light distribution curve type cone	BLKH 300 P 16W 840 2000lm
	Light distribution curve type polar	BLKH 300 P 16W 840 2000lm

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

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

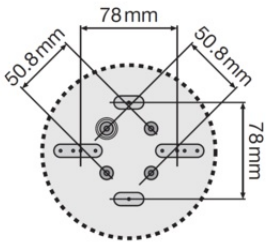
	Tender texts	Document name
	Tender documents	BULKHEAD ROUND DALI 300 P 15.5W 840 WT-en

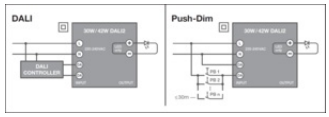
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854290763	Folding box 1	77 mm x 317 mm x 317 mm	1155.00 g	7.74 dm^3
4099854290770	Shipping box 8	650 mm x 330 mm x 335 mm	9900.00 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





References / Links

- For Guarantee see www.ledvance.com/guarantee

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