

# PRODUCT DATASHEET

## BLKH RD DA 300 P 15.5W 840 BK

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



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

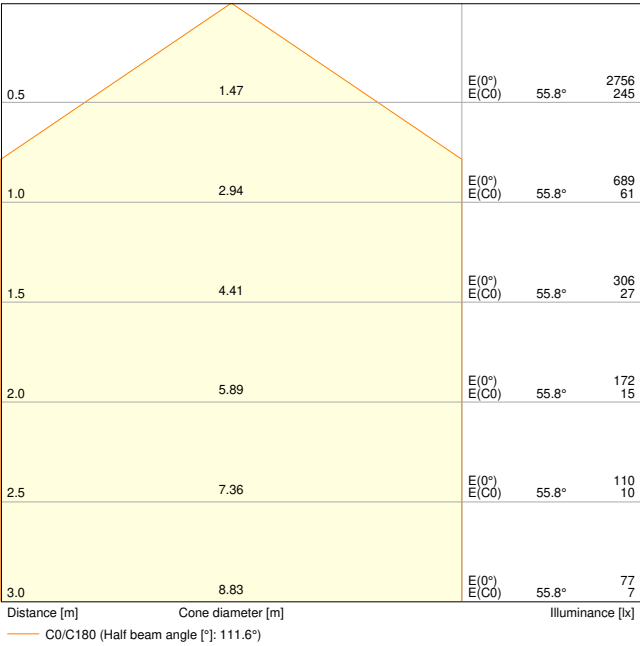
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**TECHNICAL DATA****Electrical data**

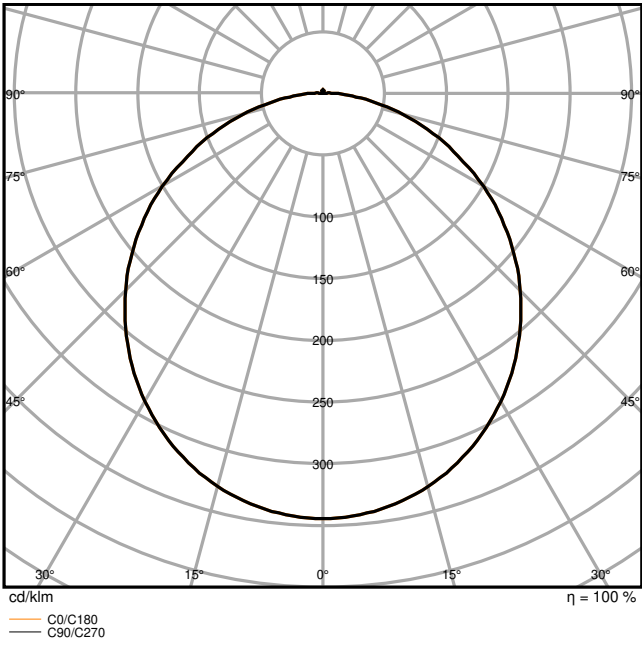
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 15.50 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 69 mA                 |
| Inrush current                                              | 5.13 A                |
| Inrush current time $T_{h50}$                               | 26 $\mu$ s            |
| 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 $\lambda$                                      | > 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 sdc <sub>m</sub>      |
| Low flicker                                  | Yes                     |
| Flickering metric (Pst LM)                   | <1                      |
| Stroboscope effect metric (SVM)              | <0.4                    |
| Photobiological safety group acc. to EN62778 | RG0                     |
| Beam angle                                   | 120 °                   |



BLKH 300 P 16W 840 2000lm



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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 | 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, 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 <sup>1)</sup> |
| Mounting type                          | Surface                                                    |
| Mounting location                      | Ceiling / Wall                                             |
| Application environment                | Outdoor                                                    |
| With light source                      | Yes                                                        |
| Replaceable light source               | Yes                                                        |

<sup>1)</sup> 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 <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 72000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 65000 h               |
| Lifespan L90/B10 at 25 °C  | 46000 h               |
| Number of switching cycles | 60000                 |

<sup>1)</sup> 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

|                             |          |
|-----------------------------|----------|
| 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

- 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                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | BULKHEAD ROUND DALI                |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|    | Legal information                      | Safety Insert G11218810            |
|    | Legal information                      | Legal Insert G11234786             |
|  | Legal information                      | Light Source Insert G11232868      |
|  | Declarations of conformity             | BLKH RD                            |
|  | Declarations of conformity UKCA        | BLKH RD                            |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | BLKH 300 P 16W 840 2000lm          |
|  | 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                      |
|  | BIM Revit 3D                           | Bulkhead Round                     |

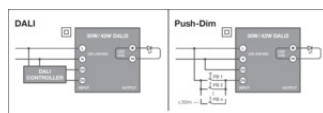
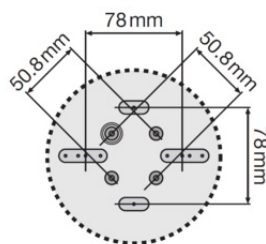
| CAD/BIM files                                                                    |                  | Document name                             |
|----------------------------------------------------------------------------------|------------------|-------------------------------------------|
|  | CAD STEP 3D      | BLKH G2 300                               |
| Tender texts                                                                     |                  | Document name                             |
|  | Tender documents | BULKHEAD ROUND DALI 300 P 15.5W 840 BK-en |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854290749 | Folding box<br>1             | 77 mm x 317 mm x 317 mm              | 1155.00 g    | 7.74 dm <sup>3</sup>  |
| 4099854290756 | Shipping box<br>8            | 650 mm x 330 mm x 335 mm             | 9900.00 g    | 71.86 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



## References / Links

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

## DISCLAIMER

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