

# PRODUCT DATASHEET EM BULKHEAD E 1.3W 3H EM/AC AT

EMERGENCY BULKHEAD RECTANGULAR | Rectangular EMERGENCY BULKHEAD with IP65 and 3 h standby time



#### Areas of application

- Antipanic lighting
- Industry
- Corridors, stairways, entrance areas

## **Product benefits**

- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- Easy maintenance with automatic test function or integrated test switch
- Emergency pictograms included in packaging

#### **Product features**

- Luminous flux: 200 lm
- Type of protection: IP65
- Battery discharge time: 3 h
- Battery technology: LiFePO4
- Function test: manual (MA) or automatic (AT)
- With integrated test switch for manual testing
- Operation mode: maintained (M) or non-maintained (NM)



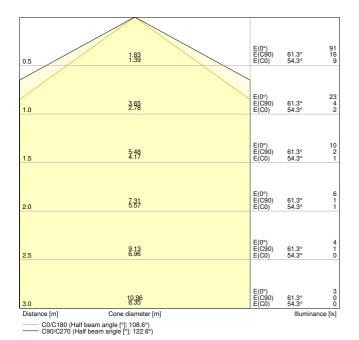
## TECHNICAL DATA

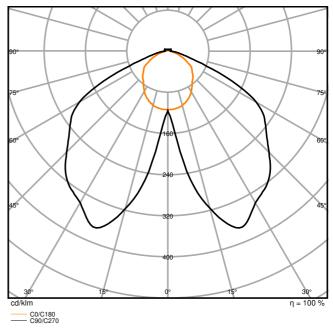
## Electrical data

| Nominal wattage   | 1.30 W                |
|---|-----------------------|
| Nominal voltage   | 220240 V              |
| Mains frequency   | 50/60 Hz              |
| Nominal current   | 42.000 mA             |
| Inrush current  | 6.8 A                 |
| Inrush current time T <sub>h50</sub>                        | 48 μs                 |
| Max. number of luminaires per miniature circuit breaker B16 | 110                   |
| Max. number of luminaires per miniature circuit breaker C10 | 88                    |
| Max. number of luminaires per miniature circuit breaker C16 | 141                   |
| Power factor $\lambda$                                      | 0.3                   |
| Protection class  | II                    |
| Operating mode  | Integrated LED driver |

## Photometrical data

| Luminous flux                                | 200 lm        |
|--|---------------|
| Luminous efficacy                            | 150 lm/W      |
| Color temperature                            | 5700 K        |
| Light color (designation)                    | Cool Daylight |
| Color rendering index Ra                     | > 80          |
| Standard deviation of color matching         | 6 sdcm        |
| Low flicker                                  | Yes           |
| Flickering metric (Pst LM)                   | <1            |
| Stroboscope effect metric (SVM)              | ≤ 0,4         |
| Photobiological safety group acc. to EN62778 | RG0           |
| Beam angle                                   | 100 ° x 120 ° |





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## Dimensions & Weight

| Length         | 355.00 mm |
|----------------|-----------|
| Width          | 115.00 mm |
| Height         | 63.00 mm  |
| Product weight | 510.00 g  |



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#### Materials & Colors

| Product color  | White   |  |
|----------------|---|--|
| Housing color  | White   |  |
| Body material  | Polycarbonate (PC) Acrylonitrile butadiene styrene (ABS)  |  |
| Cover material | Polycarbonate (PC)/ Acrylonitrile Butadiene Styrene (ABS) |  |

| Glow Wire Test according to IEC 60695-2-12 | 650 °C  |
|--|---|
| Mercury content                            | 0.0 mg  |
| application & Mounting                     |   |
| Ambient temperature range                  | 0+45 °C   |
| Temperature range at storage               | 0+35 °C   |
| Type of connection                         | Terminal  |
| Type of protection                         | IP65  |
| Protection class IK (shock resistance)     | IK06  |
| Dimmable                                   | No  |
| Mounting type                              | Surface   |
| Mounting location                          | Ceiling / Wall  |
| Application environment                    | Indoor  |
| Mounting depth                             | 0 mm  |
| Adjustable                                 | No  |
| With light source                          | Yes   |
| Replaceable light source                   | No  |
| ifespan                                    |   |
| Number of switching cycles                 | 50000   |
| Control gear                               |   |
| Output current                             | 460 mA  |
| ECG - Output ripple current                | 8 %   |
| BATTERY                                    |   |
| Type of Battery                            | LiFePO4   |
| Battery size [GMS]                         | Others  |
| Nominal voltage of battery                 | 3.2 V   |
| Nominal capacity of battery                | 1800 mAh  |
| Battery charging time                      | 24 h  |
| mergency lighting                          |   |
| Type of Emergency Lighting (EL)            | EL unit (battery and controller) for decentral operation included |
| Area of emergency application              | Escape route lighting / Anti-panic lighting                       |

Maintained / Non-maintained

Automatic

Type of emergency light operation

Type of emergency operation test

| Wattage in emergency operation mode       | 1.3 W  |
|---|--------|
| Luminous flux in emergency operation mode | 200 lm |
| Battery life in emergency operation mode  | 3 h    |
| Integrated test switch                    | Yes    |

## Certificates & Standards

| Standards  | CE / CB / EAC / UKCA / ENEC |
|--|-----------------------------|
| Luminaire with limited surface temperature, "D sign" | No                          |
| Ball shot safe                                       | No                          |

# 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 | EM BULKHEAD E 1.3W 3H EM/AC AT LEDV |
| PDF | Legal information                      | Informationstext 18 Abs 4 ElektroG  |
| PDF | Legal information                      | EM BULKHEAD E 1.3W 3H EM/AC AT LEDV |
| PDF | Legal information                      | Safety Insert G11218810             |
| PDF | Legal information                      | Legal Insert G11231524              |
| PDF | Declarations of conformity             | EM BULKHEAD E 1.3W 3H EM/AC AT      |
| PDF | Declarations of conformity UKCA        | EM BULKHEAD E 1.3W 3H EM/AC AT      |
|     | Photometric and lighting design files  | Document name                       |
|     | IES file (IES)                         | EM BULKHEAD E 1,3W 3H EM AC AT      |
|     | LDT file (Eulumdat)                    | EM BULKHEAD E 1,3W 3H EM AC AT      |

| Photometric and lighting design files | Document name                  |  |
|---------------------------------------|--------------------------------|--|
| UGR file (UGR table)                  | EM BULKHEAD E 1,3W 3H EM AC AT |  |
| Light distribution curve type cone    | EM BULKHEAD E 1,3W 3H EM AC AT |  |
| Light distribution curve type polar   | EM BULKHEAD E 1,3W 3H EM AC AT |  |
|                                       |                                |  |
| CAD/BIM files                         | Document name                  |  |
| CAD STEP 3D                           | EM BLKH E                      |  |
|                                       |                                |  |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854230677 | Folding box<br>1             | 115 mm x 70 mm x 360 mm              | 596.00 g     | 2.90 dm <sup>3</sup>  |
| 4099854230684 | Shipping box<br>10           | 605 mm x 375 mm x 155 mm             | 6460.00 g    | 35.17 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.

## References / Links

- For Guarantee see www.ledvance.com/guarantee

## **DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.