

# PRODUCT DATASHEET

## EM BULKHEAD HLO E 10W 3H AT

EMERGENCY BULKHEAD HLO | Rectangular EMERGENCY BULKHEAD HIGH LUMEN OUTPUT with IP66 and 3 h standby time



### Areas of application

- Antipanic lighting
- Industry
- Warehouses

### Product benefits

- Operation of integrated emergency lighting function with long life LiFePO<sub>4</sub> battery with 3h battery discharge time
- Easy maintenance with automatic test function or integrated test switch

### Product features

- Luminous flux: 1500 lm
- Type of protection: IP66
- Battery discharge time: 3 h
- Battery technology: LiFePO<sub>4</sub>
- Function test: manual (MA) or automatic (AT)
- With integrated test switch for manual testing
- Operation mode: non-maintained (NM)



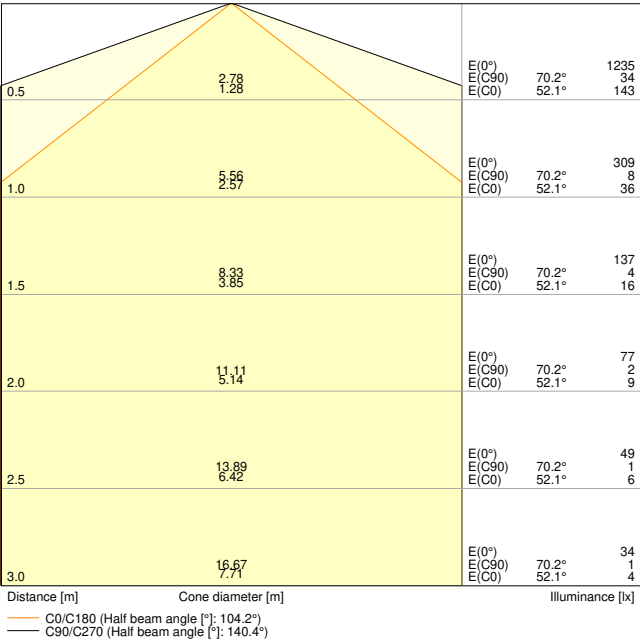
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**TECHNICAL DATA****Electrical data**

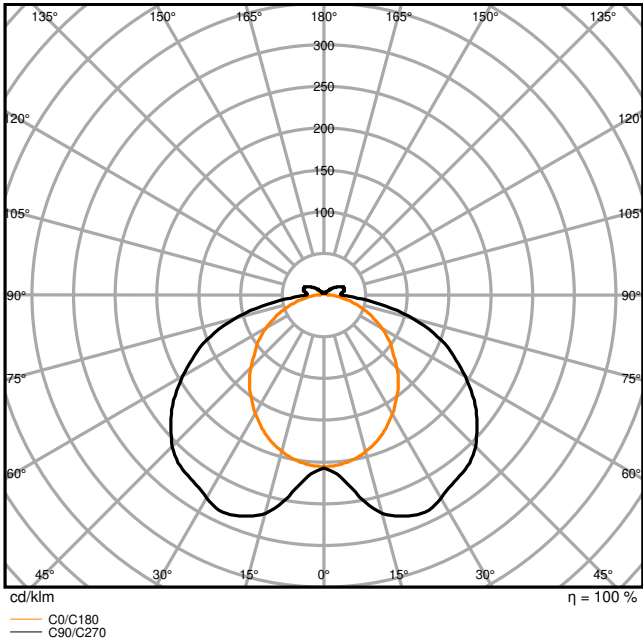
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 10.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50/60 Hz              |
| Nominal current                                             | 51.000 mA             |
| Inrush current                                              | 4,4 A                 |
| Inrush current time $T_{h50}$                               | 16 $\mu$ s            |
| Max. number of luminaires per miniature circuit breaker B16 | 170                   |
| Max. number of luminaires per miniature circuit breaker C10 | 136                   |
| Max. number of luminaires per miniature circuit breaker C16 | 218                   |
| Power factor $\lambda$                                      | 0.3                   |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 1500 lm       |
| Luminous efficacy                            | 150 lm/W      |
| Color temperature                            | 5700 K        |
| Light color (designation)                    | Cool Daylight |
| Color rendering index Ra                     | > 80          |
| Low flicker                                  | Yes           |
| Flickering metric (Pst LM)                   | < 1           |
| Stroboscope effect metric (SVM)              | $\leq 0,4$    |
| Photobiological safety group acc. to EN62778 | RG0           |
| Beam angle                                   | 70 ° x 140 °  |



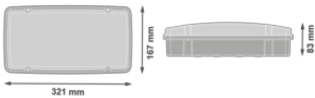
EM BULKHEAD HLO E 10W 3H AT



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Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 321.00 mm |
| Width          | 167.00 mm |
| Height         | 83.00 mm  |
| Product weight | 1470.00 g |



EM BULKHEAD HLO E 10W 3H AT

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| 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                     | IP66           |
| Protection class IK (shock resistance) | IK08           |
| 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             |

### Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 50000 |
|----------------------------|-------|

### Control gear

|                             |        |
|-----------------------------|--------|
| Output current              | 900 mA |
| ECG - Output ripple current | 8 %    |

### BATTERY

|                             |          |
|-----------------------------|----------|
| Type of Battery             | LiFePO4  |
| Battery size [GMS]          | Others   |
| Nominal voltage of battery  | 6.4 V    |
| Nominal capacity of battery | 6600 mAh |
| Battery charging time       | 24 h     |

### Emergency lighting

|                                     |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Type of Emergency Lighting (EL)     | EL unit (battery and controller) for decentral operation included |
| Area of emergency application       | Anti-panic lighting                                               |
| Type of emergency light operation   | Non-maintained                                                    |
| Type of emergency operation test    | Automatic                                                         |
| Wattage in emergency operation mode | 10 W                                                              |

|                                           |         |
|-------------------------------------------|---------|
| Luminous flux in emergency operation mode | 1500 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                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|   | User instruction / safety instructions | EM BULKHEAD HLO E 10W 3H AT        |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | Safety Insert G11218810            |
|  | Legal information                      | Legal Insert G11231524             |
|  | Declarations of conformity             | EM BULKHEAD HLO E 10W 3H AT        |
|  | Declarations of conformity UKCA        | EM BULKHEAD HLO E 10W 3H AT        |
|  | Product information bulletin           | The Emergency Range Flyer UK       |

| Photometric and lighting design files                                              |                      | Document name               |
|------------------------------------------------------------------------------------|----------------------|-----------------------------|
|  | IES file (IES)       | EM BULKHEAD HLO E 10W 3H AT |
|  | LDT file (Eulumdat)  | EM BULKHEAD HLO E 10W 3H AT |
|  | UGR file (UGR table) | EM BULKHEAD HLO E 10W 3H AT |

| Photometric and lighting design files                                            |                                     | Document name               |
|----------------------------------------------------------------------------------|-------------------------------------|-----------------------------|
|  | Light distribution curve type cone  | EM BULKHEAD HLO E 10W 3H AT |
|  | Light distribution curve type polar | EM BULKHEAD HLO E 10W 3H AT |

| CAD/BIM files                                                                    |             | Document name |
|----------------------------------------------------------------------------------|-------------|---------------|
|  | CAD STEP 3D | EM BLKH HLO E |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854230691 | Folding box<br>1             | 172 mm x 88 mm x 328 mm              | 1571.00 g    | 4.96 dm <sup>3</sup>  |
| 4099854230707 | Shipping box<br>6            | 360 mm x 345 mm x 285 mm             | 10006.00 g   | 35.40 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](http://www.ledvance.com/guarantee)

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