

# HBE Series Round Bulkhead Luminaires

## Increased Safety. Incandescent

Zone 1 and 2 - 21 and 22  
Gas (G) and Dust (D)

### Applications

- Suitable for use in:
  - Stairways
  - Small areas
  - Emergency exit

### Features

- For incandescent lamps 60 W to 150 W maximum, mixed lamp 100 W maximum. Lamps not supplied.
- E27 lampholder.
- Screw locking mechanism.
- Operates in all positions.
- Connection to lampholder via two 2 x 2.5 mm<sup>2</sup> terminals.
- Internal earth two terminals 2 x 2.5 mm<sup>2</sup>. External earth 1 x 4 mm<sup>2</sup>.
- Three M20 entries in "T" formation. Supplied with one M20 cable gland [6.5 to 14.5 mm diameter] and two M20 blanking plugs.

### Standard Materials

- Body: gray painted aluminum alloy
- Diffuser: glass
- Sealing gasket: silicone
- Guard: zinc plated steel
- Cable gland and blanking plug: polyamide

### Certifications and Compliances

#### ◆ATEX Certification

- **HBRD - Certification HBe150**
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex e II
    - Temperature Class: See Table on following page
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T102 °C to T137 °C
    - Ambient Temperature: -40 °C to +50 °C
    - CE Declaration of Conformity: 50244
    - ATEX Certificate: LCIE 02 ATEX 6228X
    - Index of Protection according EN/IEC 60529: IP65

#### ◆EURASEC Certification

- EURASEC N° TC RU C-FR.r505.B.00912

#### ◆Others Certification

- INMETRO Certificate: BVC 11.0494-X <sup>①</sup>




HBERI15 and HBEPGZ

<sup>①</sup> Inmetro certification available on special request only. Contact your local sales for more information

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	Weight kg	Volume dm <sup>3</sup>	Catalog Number
	3	15	<b>HBERI15</b>

### Accessories

	Catalog Number
Protective Guard	<b>HBEPGZ</b>
Spare Lamp Glass	<b>HBEGD</b>

### T Rating (Gas) and Surface Temperature (Dust) Table

Lamp Type and Wattage			Gas				Dust
Wattage	Type	Operating Positions	For Ta = +40° C		For Ta = +50° C		Surface T° for Ta = +50° C
			T Rating	T° at Cable Entry	T Rating	T° at Cable Entry	
60	Incandescent	Any Position	<b>T2</b>	⓪	<b>T2</b>	⓪	+102 °C
			<b>T3</b>	⓪	<b>T3</b>	⓪	
			<b>T4</b>	⓪	<b>T4</b>	⓪	
75	Incandescent	Any Position	<b>T2</b>	⓪	<b>T2</b>	⓪	+107 °C
			<b>T3</b>	⓪	<b>T3</b>	⓪	
			<b>T4</b>	⓪	<b>T4</b>	⓪	
100	Mercury	Any Position	<b>T2</b>	⓪	<b>T2</b>	+83 °C	+117 °C
			<b>T3</b>	⓪	<b>T3</b>	+83 °C	
			<b>T3</b>	⓪	<b>T3</b>	⓪	
100	Incandescent	Any Position	<b>T1</b>	+90 °C	<b>T1</b>	+100 °C	+137 °C
			<b>T3</b>	+90 °C	<b>T2</b>	+100 °C	
			<b>T3</b>	⓪	<b>T3</b>	⓪	
150	Mixed	Any Position	<b>T2</b>	+82 °C	<b>T2</b>	+92 °C	+130 °C
			<b>T3</b>	+82 °C	<b>T3</b>	+92 °C	
			<b>T3</b>	⓪	<b>T3</b>	⓪	

⓪ Not Applicable, no need for high temperature cable for cable entry temperature less than +80 °C.

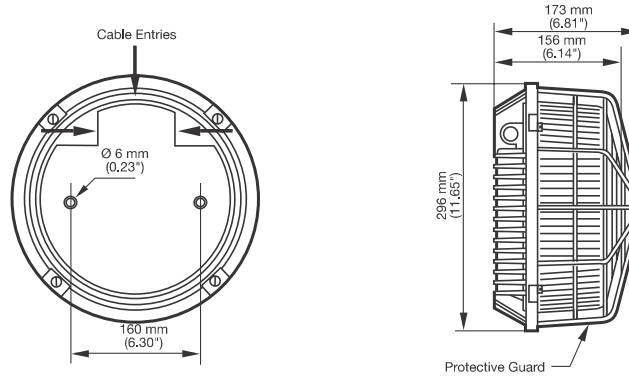
Shaded catalog numbers are normally stocked items. All other items are made to order.

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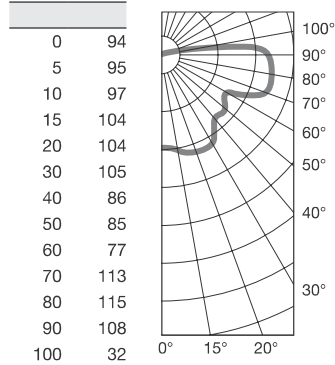
### Dimensions in Millimeters (Inches)



### Photometric Data ①

150 W Incandescent  
NF C 71-120: .062 J + 0.10 T

#### CANDELA DISTRIBUTION



① Polar curves for a 1000 lm flux, according to NF C 71-120. Luminaire symbol according to NF C 71-121.