

# HBN Series Round Bulkhead Luminaires

## Flameproof. Incandescent

Zone 2 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, mercury 80 W maximum (remote mercury ballast not supplied). 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

##### • Certification Type: HBN150

- Gas: Zone 2
  - Conforming to ATEX 94/9/CE: Ⓢ II 3 G
  - Type of Protection: Ex nR II
  - T Rating: See Table on following page
- Dust: Zone 22
  - Conforming to ATEX 94/9/CE: Ⓢ II 3 D
  - Type of Protection: Ex tD A22
  - Surface Temperature: See Table on following page
- Ambient Temperature: -20 °C ≤ Ta ≤ +50 °C  
(-20 °C ≤ Ta ≤ +40 °C for 80 W Mercury)
- CE Declaration of Conformity: 50220
- ATEX Certificate: LCIE 03 ATEX 6167X
- Index of Protection according EN/IEC 60529: IP65

#### ◆EURASEC Certification

- EURASEC N° TC RU C-FR.гб.05.B.00912

#### ◆Others Certification

- INMETRO Certificate: BVC 11.0462-X ①




HBNR115 and HBEPGZ

① 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>HBNRI15</b>

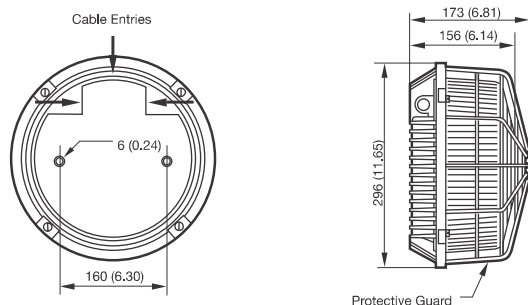
### Accessories

	Catalog Number
Protective Guard	<b>HBEPGZ</b>
Spare Lampglass	<b>HBEGD</b>

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

Lamp Type and Wattage		T Rating for Ta = +40 °C	Gas T Rating for Ta = +50 °C	T° at Cable Input	Dust Surface T° for Ta = +50 °C
Wattage	Type				
60	Incandescent	T5	T4	—	+101 °C
75	Incandescent	T5	T4	—	+104 °C
80	Mercury	T3	—	—	+131 °C Ta = +40 °C
100	Incandescent	T4	T4	+83 °C	+114 °C
100	Mixed	T4	T4	+100 °C	+125 °C
150	Incandescent	T4	T4	+92 °C	+120 °C

### Dimensions in Millimeters (Inches)

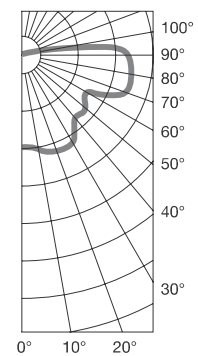


### Photometric Data ①

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

#### CANDELA DISTRIBUTION

0	185
5	178
10	171
15	156
20	132
30	110
40	97
50	87
60	90
70	100
80	96
90	58
100	58



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

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