

ATX™ HBN Series Round Bulkhead Luminaires

Flameproof. Incandescent

ATEX:
Zone 2 and 22
II 3 GD
IP65

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 mm² (0.003 x 0.004 in²) terminals.
- Internal earth two terminals 2 x 2.5 mm² (0.003 x 0.004 in²). External earth 1 x 4 mm² (0.002 x 0.006 in²).
- Three M20 entries in "T" formation. Supplied with one M20 cable gland [6.5 to 14.5 mm (0.26 to 0.57 in) 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

ATEX Certifications and Compliances

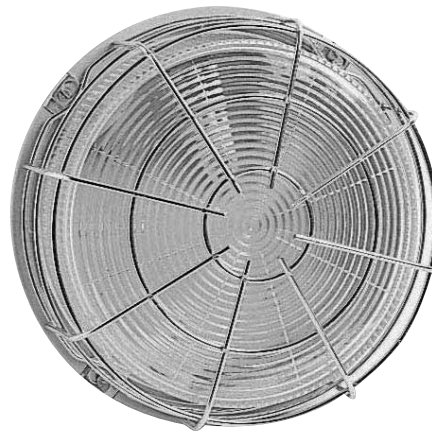
- Certification Type: HBN150
 - Gas: Zone 2
 - Conforming to ATEX 94/9/CE: II 3 G
 - Type of Protection: Ex nR II
 - Temperature Class: See *T Rating (Gas) and Surface Temperature (Dust) Table*
 - Dust: Zone 22
 - Conforming to ATEX 94/9/CE: II 3 D
 - Type of Protection: Ex tD A22
 - Surface Temperature: See *T Rating (Gas) and Surface Temperature (Dust) Table*
- Ambient Temperature: -20 °C ≤ Ta ≤ +50 °C (-4 °F ≤ Ta ≤ +122 °F); 80 W Mercury: -20 °C ≤ Ta ≤ +40 °C (-4 °F ≤ Ta ≤ 104 °F)
- 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.Г505.B.00912

Other Certification

- INMETRO Certificate: BVC 11.0462-X ①



HBNRI15 and HBEPGZ



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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① Inmetro certification available on special request only. Contact your local sales representative for more information.

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	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
	3 (6,61)	15 (33,07)	HBNRI15

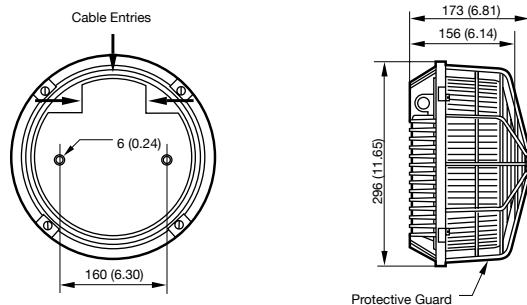
Accessories

	Catalog Number
Protective Guard	HBEPGZ
Spare Lampglass	HBEGD

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

Lamp Type and Wattage		Gas		Dust	
Wattage	Type	T Rating for Ta = +40 °C (+104 °F)	T Rating for Ta = +50 °C (+122 °F)	T° at Cable Input	Surface T° for Ta = +50 °C (+122 °F)
60	Incandescent	T5	T4	—	+101 °C (+214 °F)
75	Incandescent	T5	T4	—	+104 °C (+219 °F)
80	Mercury	T3	—	—	+131 °C (+268 °F) Ta = +40 °C (+104 °F)
100	Incandescent	T4	T4	+83 °C (+181 °F)	+114 °C (+237 °F)
100	Mixed	T4	T4	+100 °C (+212 °F)	+125 °C (+257 °F)
150	Incandescent	T4	T4	+92 °C (+198 °F)	+120 °C (+248 °F)

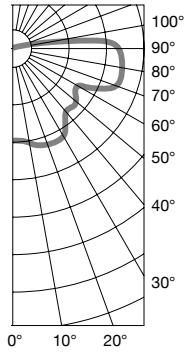
Dimensions in Millimeters (Inches)



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.



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