

# Lighting: Incandescent & HID Lighting

## HBN Series: Round Bulkhead – Flameproof



HBNRI15 + HBEPGZ

### Compliance data:

ATEX - IEC:



Zone 2 and 22	ATEX	II 3 GD	IEC	CE
Ex nR II	T3 to T5	Ex tD A22	T101°C to T131°C	IP65

### Lamp Type and Power:

Incandescent	Mixed	Mercury		
60 W to 150 W	100 W	80 W		

### Operating Temperatures:

-20°C to +50°C
-20°C to +40°C (Mercury)

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## HBN Series: Round Bulkhead – Flameproof

Zone 2 & 22

Ex II 3 GD

ATEX / IEC

IP65

### Applications:

For illumination of:

- 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 (dia. 6.5 to 14.5 mm) and two M20 blanking plugs.

### Standard Materials of Fixtures:

- Gray painted aluminum alloy body.
- Glass diffuser.
- Silicone sealing gasket.

### Standard Materials of Accessories:

- Zinc plated steel guard.
- Polyamide cable gland and blanking plug.

### Ordering Information:

Power	Weight (kg)	Volume (dm <sup>3</sup> )	Catalog Number	Old Catalog Number	Pack
60 to 150 W Incandescent 100 W mixed	3	15	HBNRI15	096901	1

### Accessories:

Description	Catalog Number	Old Catalog Number	Pack
Protective guard	HBEPGZ	095855	1
Spare lampglass	HBEGD	095856	1

### Compliances:

Hazardous Area	Gas	Dust
Certified Type	HBN150	
Zones	2	22
Conforming to ATEX 94/9/CE	CE Ex II 3 G	CE Ex II 3 D
Symbol of Protection ATEX	Ex nR II	Ex tD A22
Symbol of Protection IEC		
T Rating	See table 1	N.A.
Surface Temperature	N.A.	See table 1
Ambient Temperature	-20°C Ta +50°C -20°C Ta +40°C (80 W mercury)	
CE Declaration of Conformity	50220	
ATEX Certificate	LCIE 03 ATEX 6167X	
IEC Certificate	LCIE Ex 03.026X	
Other Certifications	-	
Index of Protection (solid & liquid)	IP65	
Impact Resistance (shock)	-	

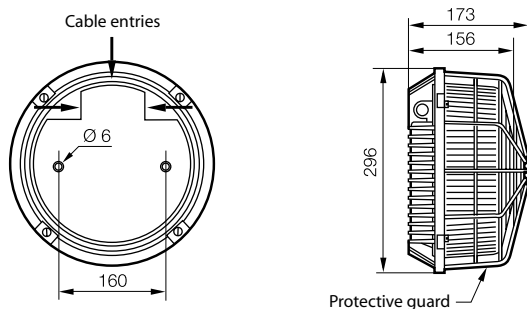
### Table 1: Dust and Gas

Power and Type	Dust Surface T° for Ta = +50°C	Gas		T° at Cable Input
		T Rating for Ta = +40°C	T Rating for Ta = +50°C	
60 W Incandescent	101°C	T5	T4	-
75 W Incandescent	104°C	T5	T4	-
80 W Mercury	131°C (for Ta = +40°C)	T3	-	-
100 W Incandescent	114°C	T4	T4	83°C
100 W mixed	125°C	T4	T4	100°C
150 W Incandescent	120°C	T4	T4	92°C

### Standards:

<b>Ex Standards</b>	EN / IEC 60079-0; 60079-15; 61241-0; 61241-1
<b>Product Standards</b>	EN / IEC 60598-1
<b>EMC Standards</b>	EN / IEC 55015; 61547
<b>Other Standards</b>	EN / IEC 60529 (IP)

### Dimensions (mm):



### Photometric Data:

Polar curves for a 1000 lm flux, according to NF C 71-120

Luminaire symbol according to NF C 71-121

150 W Incandescent : 0.62 J + 0.10 T

