

Lighting: Incandescent & HID Lighting
HBE Series: Round Bulkhead – Increased Safety



HBERI15 + HBEPGZ

Compliance Data:

ATEX - IEC:



Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC	CE
Ex e II	T1 to T4	Ex tD A21	T102°C to T137°C	IP65

Lamp Type and Power:

Incandescent	Mixed			
60 W to 150 W	100 W			

Operating Temperature:

-40°C to +50°C

Lighting: Incandescent & HID Lighting

HBE Series: Round Bulkhead – Increased Safety

Zone 1 & 2 - 21 & 22

⊕ II 2 GD

ATEX / IEC

IP65

Applications:

For illumination of:

- Stairways
- Small areas
- Emergency exit

Features:

- For incandescent lamps 60 to 150 W max. and mixed lamp 100 W max. (lamps not supplied).
- E27 lampholder.
- Screw locking mechanism.
- Operating positions see table 1.
- Connection to lampholder via two 2 x 2.5 mm² terminals.
- Internal earth two terminals 2 x 2.5 mm² and external earth terminal 1 x 4 mm² clamp.
- 3 x M20 threaded cable entries. Supplied with one cable gland (dia 6.5 to 14.5 mm) and two 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.



HBERI150 + HBEPGZ

Ordering Information:

Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack
3	15	HBERI15	095850	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	HBe150	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⊕ II 2 G	CE 0081 ⊕ II 2 D
Symbol of protection ATEX	Ex e II	Ex tD A21
Symbol of protection IEC		
T rating	See table 1	N.A.
Surface Temperature	N.A.	T102°C to T137°C
Ambient Temperature	-40°C to +50°C	
CE Declaration of Conformity	50244	
ATEX Certificate	LCIE 02 ATEX 6228X	
IEC Certificate	LCIE Ex 02.023X	
Other Certifications	–	
Index of protection (solid & liquid)	IP65	
Impact resistance (shock)	–	

Standards:

Ex standards	EN / IEC 60079-0; 60079-7; 61241-0; 61241-1
Product standards	EN / IEC 60598-1
EMC standards	–
Other standards	EN / IEC 60529 (IP)

Lighting: Incandescent & HID Lighting

HBE Series: Round Bulkhead – Increased Safety

Zone 1 & 2 - 21 & 22

II 2 GD

ATEX / IEC

IP65

LIGHTING

Table 1: Dust and Gas

Power and Type	Dust Surface T° for Ta = +50°C	Gas				Operating Positions
		For Ta = +40°C		For Ta = +50°C		
		T Rating	T° at Cable Entry	T Rating	T° at Cable Entry	
60 W Incandescent	102°C	T2	N.A.	T2	N.A.	Any Position
		T3	N.A.	T3	N.A.	
		T4	N.A.	T4	N.A.	
75 W Incandescent	107°C	T2	N.A.	T2	N.A.	Any Position
		T3	N.A.	T3	N.A.	
		T4	N.A.	T4	N.A.	
100 W Incandescent	117°C	T2	N.A.	T2	83°C	Any Position
		T3	N.A.	T3	83°C	
		T3	N.A.	T3	N.A.	
100 W Mixed	137°C	T1	90°C	T1	100°C	Any Position
		T3	90°C	T2	100°C	
		T3	N.A.	T3	N.A.	
150 W Incandescent	130°C	T2	82°C	T2	92°C	Any Position
		T3	82°C	T3	92°C	
		T3	N.A.	T3	N.A.	

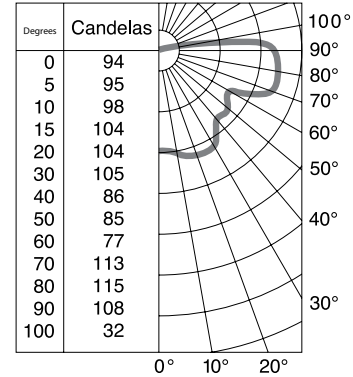
N.A.: Not Applicable, no need for high temperature cable for cable entry temperature less than +80°C

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



Dimensions (mm):

