

# HBDA Series Rectangular Bulkhead Luminaires

## Flameproof. Compact Fluorescent, Incandescent

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

### Applications

- For illumination of:
  - Stairways
  - Small areas
  - Emergency exit

### Features

- Lamps (not supplied):
  - Incandescent 2 x 40 W
  - Compact fluorescent 1 x 18/20 W
- E27 lampholder.
- Operates in any position.
- Fixing by 2 brackets.
- Connection on two terminals 1 x 4 mm<sup>2</sup>.
- Internal earth 1 x 4 mm<sup>2</sup>.
- External earth 1 x 4 mm<sup>2</sup>.
- Two M20 threaded entries.
  - Supplied with one aluminum blanking plug.

### Standard Materials of Fixtures

- Body: gray painted cast aluminum
- Lens: sealed toughened lamp glass

### Certifications and Compliances

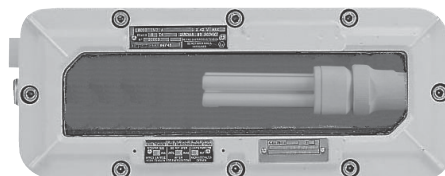
#### ◆ ATEX Certification

##### • Certification Type: BRI40

- Gas: Zones 1 and 2
  - Conforming to ATEX 94/9/CE: Ⓔ II 2 G
  - Type of Protection: Ex d IIB+H2
  - Temperatur Class:
    - T4 Incandescent
    - T6 Compact Fluorescent
- Dust: Zone 21 and 22
  - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
  - Type of Protection: Ex tD A21
  - Surface Temperature:
    - T135 °C Incandescent,
    - T85 °C Compact Fluorescent
- Ambient Temperature: -20 °C to +40 °C
- CE Declaration of Conformity: 50252
- ATEX Certificate: LCIE 03 ATEX 6098X
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK09
- Internal Volume: > 2 dm<sup>3</sup> - 2 liters

### Related Products

- For labels see *Labels for Emergency Lighting Units, ATX Self-Adhesive Signaling Labels for Emergency Lighting Units.*



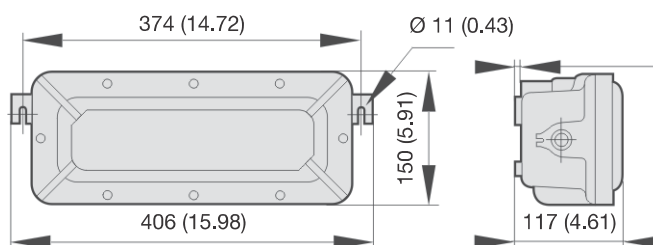
# HBDA Series Rectangular Bulkhead Luminaires

## Flameproof. Compact Fluorescent, Incandescent

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

Number of Lamps (not supplied)	Lamp Type and Wattage	Cable Entries	Weight kg	Volume dm <sup>3</sup>	Catalog Number
1	18/20 W Compact Fluorescent	M20	5.7	9	HBDAF118
2	40 W Incandescent	M20	5.7	9	HBDAI240

### Dimensions in Millimeters (Inches)



### Photometric Data

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

--- Longitudinal  
— Transverse

Degree	Candela Distribution	
	(0–180)	(90–270)
0	134	134
5	129	133
10	127	135
15	126	136
20	125	135
25	119	131
30	109	127
35	89	122
40	69	119
45	51	114
50	39	105
60	26	84
70	11	35

