

ATX™ HBDA Series Rectangular Bulkhead Luminaires

Flameproof. Compact Fluorescent, Incandescent

ATEX:
Zone 1 and 2 - 21 and 22
II 2 GD
IP66 - IK09

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 mm² (0.002 x 0.006 in²).
- Internal earth 1 x 4 mm² (0.002 x 0.006 in²).
- External earth 1 x 4 mm² (0.002 x 0.006 in²).
- Two M20 threaded entries.
 - Supplied with one aluminum blanking plug.

Standard Materials of Fixtures

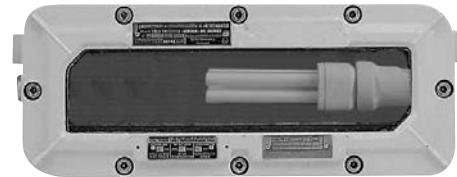
- Body: gray painted cast aluminum
- Lens: sealed toughened lamp glass

ATEX Certifications and Compliances

- Certification Type: BRI40
 - Gas: Zones 1 and 2
 - Conforming to ATEX 94/9/CE: II 2 G
 - Type of Protection: Ex d IIB+H₂
 - Temperature 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 (T275 °F) Incandescent, T85 °C (T185 °F) Compact Fluorescent
- Ambient Temperature: -20 °C to +40 °C (-4 °F to +104 °F)
- 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 dm³ (122 in³) - 2 liters

Related Products

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



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.heatingandprocess.com

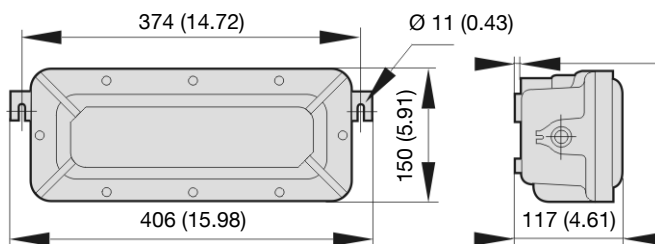
ATX™ HBDA Series Rectangular Bulkhead Luminaires

Flameproof. Compact Fluorescent, Incandescent

ATEX:
Zone 1 and 2 - 21 and 22
II 2 GD
IP66 - IK09

Number of Lamps (not supplied)	Lamp Type and Wattage	Cable Entries	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
1	18/20 W Compact Fluorescent	M20	5.7 (12.57)	9 (549.2)	HBDAF118
2	40 W Incandescent	M20	5.7 (12.57)	9 (549.2)	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

