Flameproof. Incandescent, Fluorescent, High Pressure Sodium

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

Applications

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

Features

- For lamps:
 - 70 W high pressure sodium (ovoid type E27 lampholder)
 - 18/20 W compact fluorescent lamp (E27 lampholder)
 - 2 x 40 W incandescent lamp (E27 lampholder)
- 8 W fluorescent bulb (G5 lampholder) (lamp supplied)
 HPS version: compensated power supply (+/-10%) with power
- factor 0.9:
- 230/240 V, 50 Hz
 Connection to plug-in terminal block via 2 x 3 terminals 2.5 mm²
- Operates in any position.
- Threaded access cover with O-ring seal.
- Two integrated mounting lugs.
- 1 external earth via 4 mm² bracket.
- 2 x M20 threaded cable entries.
- Supplied with 1 plug M20 (cable gland not supplied).

Standard Materials

- End cap and cover: Zamak, anticorrosion treated and painted gray
- Sealed tube: toughened glass
- External reflector: galvanized steel painted white
- Protective guard: zinc plated steel
- · Lamps are not supplied except for 8 W fluorescent bulb

Options

- Fixing accessories available in 316 stainless steel or zinc plated steel.
- Fall prevention fixing kit in stainless steel.

Certifications and Compliances

ATEX/IECEx Certification

- Certification Type: FLd
- Gas: Zone 1 2
 - Conforming to ATEX 94/9/CE: II 2 G
 - Type of Protection: Ex d IIB/IIC
 - Temperature Class: See Table on following page
- Dust: Zone 21 22
- Conforming to ATEX 94/9/CE: 🐵 II 2 D
- Type of Protection: Ex tD A21
- Surface Temperature: See Table on following page
- Ambient Temperature: -20 °C \leq Ta \leq +50 °C ;
- for 70 W HPS: -40 °C \leq Ta \leq +50 °C
- CE Declaration of Conformity: 50203
- ATEX Certificate: LCIE 97 ATEX 6012
- IECEX Certificate: IECEX LCI 04.0018
- Index of Protection according EN/IEC 60529: IP66/68 (10 m)
 Impact Resistance (shock): IK09
- Impact Resistance (shock): IK08
 Internal Volume: > 2 dm³ 2 liters



70 W High Pressure Sodium Version



Compact Fluorescent Version

◆EURASEC Certification

- EURASEC N° TC RU C-FR.гб05.В.00912

Others Certification

- INMETRO Certificate: BVC11.0492 ^①

Related Products

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

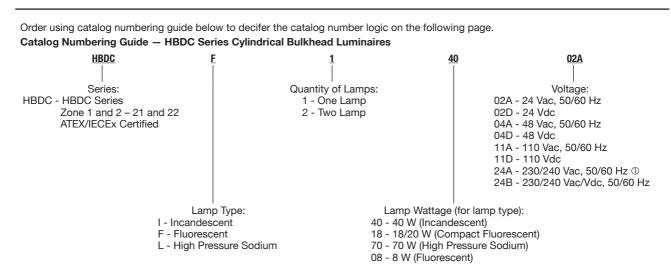
① Inmetro certification available on special request only. Contact your local sales for more information



BULKHEAD LUMINAIRES

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

	Gas T Rating				Dust Surface Temperature	
	Without External Reflector		With External Reflector		Without External Reflector	With External Reflector
Versions	Ta = +40 °C	Ta = +55 °C	Ta = +40 °C	Ta = +55 °C	°C	°C
Incandescent lamp (2 x 40 W) ②	Т5	T5	Т5	Τ5	+95°C	+95°C
Compact Fluorescent lamp (20 W max)	T6	T5	Т5	T4	+95°C	+130°C
Fluorescent (8 W - G5 lampholder)	T6	T5	Т5	T4	+95°C	+130°C
High Pressure Sodium Lamp (70 W ovoid) ②	T4 for Ta	a = +50 °C	_	_	+122°C	-

 \odot 50 Hz only for the 70 W HPS Version.

② Lamp not supplied.



Lighting

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Lighting

Lamp	Lampholder	Voltage	Weight kgs	Volume dm ³	Catalog Number
2x40 W Incandescent ①	E27	_	7.1	31	HBDCI240
70 W High Pressure Sodium ①	E27	230/240 Vac, 50 Hz	7.1	33	HBDCL17024A
1 x 8 W Fluorescent	G5	24 Vdc	8.3	31	HBDCF10802D
1 x 8 W Fluorescent	G5	48 Vdc	8.3	31	HBDCF10804D
1 x 8 W Fluorescent	G5	110 Vdc	8.3	31	HBDCF10811D
1 x 8 W Fluorescent	G5	230/240 Vac, 50/60 Hz 198/254 Vdc	8.3	31	HBDCF10824B
2 x 8 W Fluorescent	G5	230/240 Vac, 50/60 Hz 198/254 Vdc	8.3	31	HBDCF20824B
1 x 18/20 W Compact Fluorescent ①	E27	_	7.1	33	HBDCF118

	Description	Catalog Number
	External reflector in galvanized steel (painted white) (not compatible with 70 W HPS version)	FDER1G
	Protective guard in zinc plated steel	FDPG1Z
	Protective guard in zinc plated steel for 70 W HPS version	FDPG5Z
	Quick one-hand fixing (Set of 2 brackets) in zinc plated steel	FDFBZ
0	Quick one-hand fixing (Set of 2 brackets) in 316 stainless steel	FDFBS
	Fixing unit on flat surface (Set of 2 brackets) in zinc plated steel	FDSBZ
	Fixing unit on flat surface (Set of 2 brackets) in 316 stainless steel	FDSBS
ß	Fixing unit in zinc plated steel for 1-1/2" tube [49 mm diameter] or for 1-1/4" tube tube [42 mm diameter]	FDHC49Z
	Fixing unit in 316 stainless steel for 1-1/2" tube [49 mm diameter] or for 1-1/4" tube tube [42 mm diameter]	FDHC49S
A	Fixing unit in zinc plated steel for 2" tube [60 mm diameter]	FDHC60Z
	Fixing unit in stainless steel for 2" tube [60 mm diameter]	FDHC60S
Fall prevention fix	ing kit in stainless steel [1.2 m chain]	FDSCS

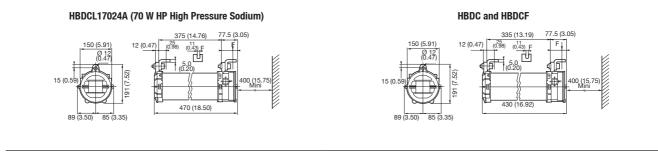
① Lamp not supplied.



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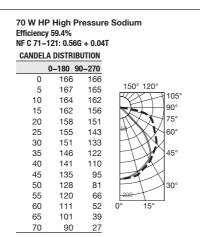
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Dimensions in Millimeters (Inches)



Photometric Data

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





2x40 W Incandescent

Efficiency: 75.6% NFC 71–121: 0.74G + 0.02T						
CANDELA DISTRIBUTION						
0	-180 9	0–270				
0	196	196				
5	197	198	100°			
10	196	196	90° 80°			
15	193	194	70°			
20	189	190	60°			
25	181	185				
30	176	179	HYX			
35	170	172	40°			
40	163	164	FTV			
45	155	153	30°			
50	145	128				
60	123	91	0° 10° 20°			
70	99	43				

Lighting