

Lighting: Portable Lighting

PJ Series: Portable Floodlight – Flameproof



PJ7002B

Compliance Data:

ATEX - IEC:



Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC	CE
Ex d IIC	T4-T3	Ex tD A21	T120°C to T142°C	IP66 / IK10

Electrical Data:

Power	55 W Halogen	70 W Halogen		
Voltage	12 Vac/Vdc	24 Vac/Vdc	110 Vac 50/60 Hz	230 Vac 50/60 Hz

Operating Temperature:

-40°C to +55°C

Lighting: Portable Lighting

PJ Series: Portable Floodlight – Flameproof

Zone 1 & 2 - 21 & 22

Ex II 2 GD

ATEX / IEC

IP66 - IK10

Applications:

- Typical applications include aircraft manufacturing and maintenance facilities, refineries, chemical and petrochemical plants and where the permanent mounting of a fixture is not practical.

Features:

- 55-70 W H3 halogen lamp.
- PK22S lamp holder.
- Connection via two terminals 1 x 2.5 mm².

- Internal earth connection 1 x 2.5 mm².
- External earth connection 1 x 4 mm².
- One M20 threaded rear entry.
- Operates in any position.
- Installed on cradle to allow horizontal and vertical adjustment.

Standard Material of Fixtures:

- Gray painted marine grade aluminum alloy body and bezel.
- Sealed toughened lamp glass.
- Plastic covering on carrying handle.

Catalog Number Logic:

PJ	XX	XXX
Series	Lamp Type:	Supply Voltage:
	55 = 55 W Halogen	01B = 12 Vac/Vdc
	70 = 70 W Halogen	02B = 24 Vac/Vdc
		11A = 110 Vac 50/60 Hz
		23A = 230 Vac 50/60 Hz

Ordering Information:

Power and Voltage	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number
55 W Halogen 12 Vac/Vdc	8	27	PJ5501B	095149
70 W Halogen 24 Vac/Vdc	8	27	PJ7002B	095150
70 W Halogen 110 V 50/60 Hz (2)	8	27	PJ7011A	095152
70 W Halogen 230 V 50/60 Hz (1)	8	27	PJ7023A	095153

(1) With transformer 230/24 V (+6% -10%) (2) With transformer 110/24 V (+6% -10%)

Compliances:

Hazardous Area	Gas	Dust
Certified Type	PJ70	
Zones	1-2	21-22
Conforming to ATEX 94/9/CE	CE 0081 Ex II 2 G	CE 0081 Ex II 2 D
Symbol of protection ATEX	Ex d IIC	Ex tD A21
Symbol of protection IEC		
T rating	T3 to T4 (see table 1)	N.A.
Surface Temperature	N.A.	T120°C to T142°C (see table 1)
Ambient Temperature	-40°C to +55°C	
CE Declaration of Conformity	50239	
ATEX Certificate	LCIE 02 ATEX 6227	
IEC Certificate	LCIE Ex 02.020	
Other Certificates	-	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	
Internal Volume	> 2 dm ³ (2 liters)	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 61241-0; 61241-1
Product Standards	EN / IEC 60598-1
EMC Standards	EN / IEC 55015; 61547
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

Table 1:

		Gas			Dust
Power	Position	Temperature Rating			Surface Temp at Ta = +55°C
		Ta = +40°C	Ta = +50°C	Ta = +55°C	
55/70 W Halogen		T4	T3	T3	142°C
		T4	T4	T3	135°C
		T4	T4	T4	120°C

Dimensions (mm):

