

Technical Information

No. FO 5178

Edition: 04/05 - subject to change

Supersedes: --/-- (initial release)

Status: valid



Longlife Metal Halide Lamp

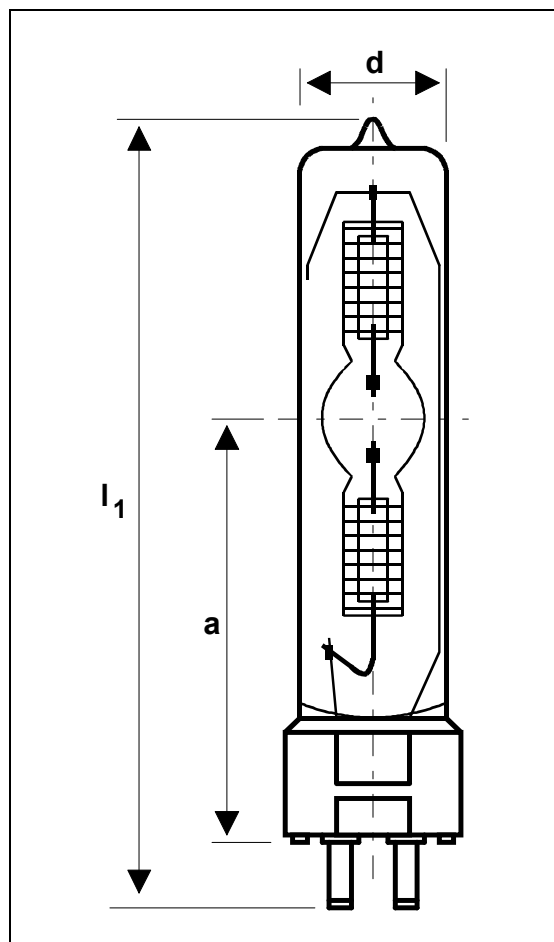
4ArXS HSD[®] 575W/72

■ 4ArXS – For Architainment eXtreme Seal

The OSRAM 4ArXS HSD[®] 575W/72 is an ultra-longlife metal halide lamp with outer bulb and bright 7200 K. The lamp is characterized by a high luminance and - with 3,000 hours - a high average service life. The "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. The lamp is suitable for cold start only. The 4ArXS HSD[®] 575W/72 is perfect for use in effect and architectural effect lighting.

■ Technical data

Lamp / order reference		4ArXS HSD [®] 575W/72
Rated wattage	W	575
Rated voltage	V	88
Rated lamp current (~)	A	7.4
Ignition voltage (cold)	kV _s	1.5
Luminous flux	lm	45,000
Color rendering index	CRI	> 85
Color temperature	K	7,200
Arc length	mm	7.0
Lamp length (overall) l ₁	mm	max. 135
Bulb diameter d	mm	max. 30
LCL (a)	mm	65
Average service life	h	3,000
Base		GX 9,5



■ Lamp operation

Maximum permissible base temperature °C 450 at Molybdenum foil / Pinch seal region (eXtreme Seal Technology)

Cooling Convection or Fan

Burning position any

The 4ArXS HSD[®] 575W/72 can be operated on electronic power supplies (ECG) and standard ballasts.

■ Selection of igniters and control gear

Igniters:	ERC 640042; Schiederwerk 321581000; Mitronic ZGV 40-12
Ballasts:	ERC 686228/2 50/60 Hz, 686228/1 50 Hz
ECG:	Schiederwerk EVG 5-xx, EVG 12-7; Hansmann ERF 575; Mitronic PE 575 Line 400-700, PFPE 60 Line 400-700

Further information on operating and control device requirements is available with the OSRAM brochure "Guidelines for Control Gear and Igniters - Metal Halide Lamps Display/Optic", order reference 123T01E.

■ Safety instruction

Because of the high UV radiation emitted by 4ArXS HSD[®] lamps and the fact that they operate at high pressures, they may only be used in purpose-built enclosed housings. Suitable filters must be used to ensure that the UV radiation is reduced to an acceptable level.