

Technical Information

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Longlife Metal Halide Lamp

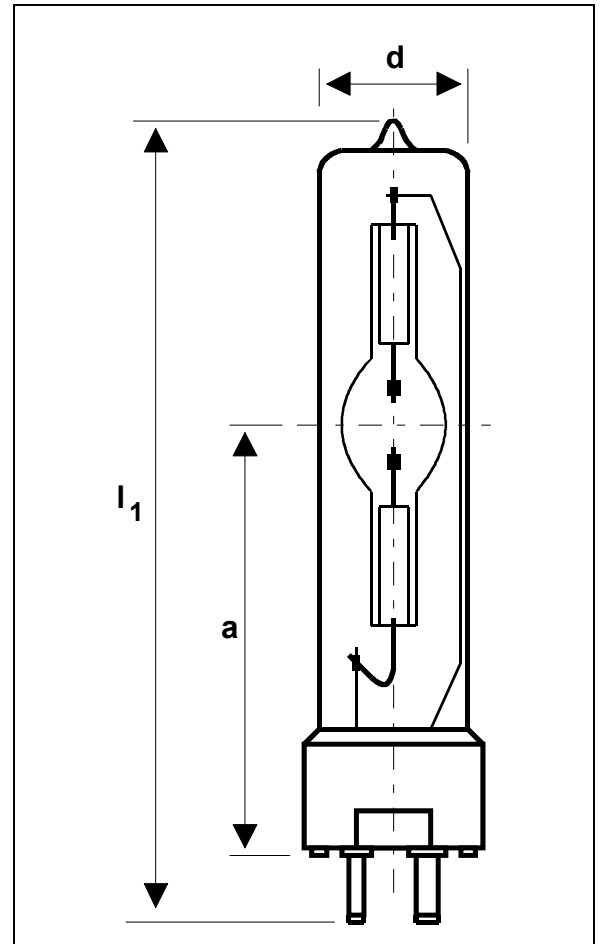
4ArXS HSD[®] 250W/UL/75

■ 4ArXS – For Architainment eXtreme Seal

The OSRAM 4ArXS HSD[®] 250W/UL/75 is an ultra-longlife metal halide lamp with outer bulb. The lamp is characterized by a high luminance and - with 6,000 hours - a extremely high average service life. The “eXtreme Seal” technology enables higher pinch temperatures up to max. 450°C. The lamp is suitable only for cold start. The 4ArXS HSD[®] 250W/UL/75 is perfect for use in architectural effect lighting.

■ Technical data

Lamp / order reference		4ArXS HSD [®] 250W/UL/75
Rated wattage	W	250
Rated voltage	V	90
Rated lamp current (~)	A	3.1
Ignition voltage	kV _s	2
Luminous flux	lm	15,000
Color rendering index	Ra	> 85
Color temperature	K	7,500
Arc length	mm	5
Lamp length (overall) l ₁	mm	max. 108
Bulb diameter d	mm	max. 23
LCL (a)	mm	55
Average service life	h	6,000
Base		GY 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[®] 250W/UL/75 can be operated on electronic power supplies (ECG) and standard ballasts.

■ Selection of igniters and control gear

Igniters: ERC 640041

Ballasts: ERC 686823

ECG: Schiederwerk EVG 2-25; Mitronic PE Line 400-700; Rotec MEB250MH/HPS-U

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.