

Technical Information

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Longlife Metal Halide Lamp

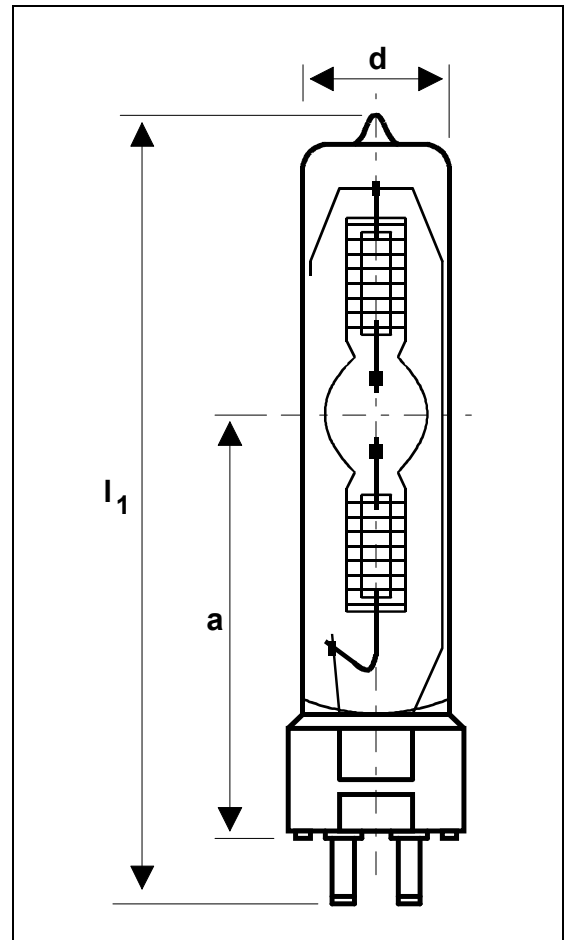
4ArXS HSD[®] 250W/80

■ 4ArXS – For Architainment eXtreme Seal

The OSRAM 4ArXS HSD[®] 250W/80 is an ultra-longlife metal halide lamp with outer bulb and blue-bright 8000 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[®] 250W/80 is perfect for use in effect and architectural effect lighting.

■ Technical data

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|--------------------------------------|-----------------|--------------------------------|
| Lamp / order reference | | 4ArXS HSD [®] 250W/80 |
| Rated wattage | W | 250 |
| Rated voltage | V | 95 |
| Rated lamp current (~) | A | 3.2 |
| Ignition voltage (cold) | kV _s | 2.0 |
| Luminous flux | lm | 17,000 |
| Color rendering index | CRI | > 85 |
| Color temperature | K | 8,000 |
| Arc length | mm | 5.0 |
| Lamp length (overall) l ₁ | mm | max. 108 |
| Bulb diameter d | mm | max. 23 |
| LCL (a) | mm | 55 |
| Average service life | h | 3,000 |
| 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/80 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.