Technical Information
No. FO 5168

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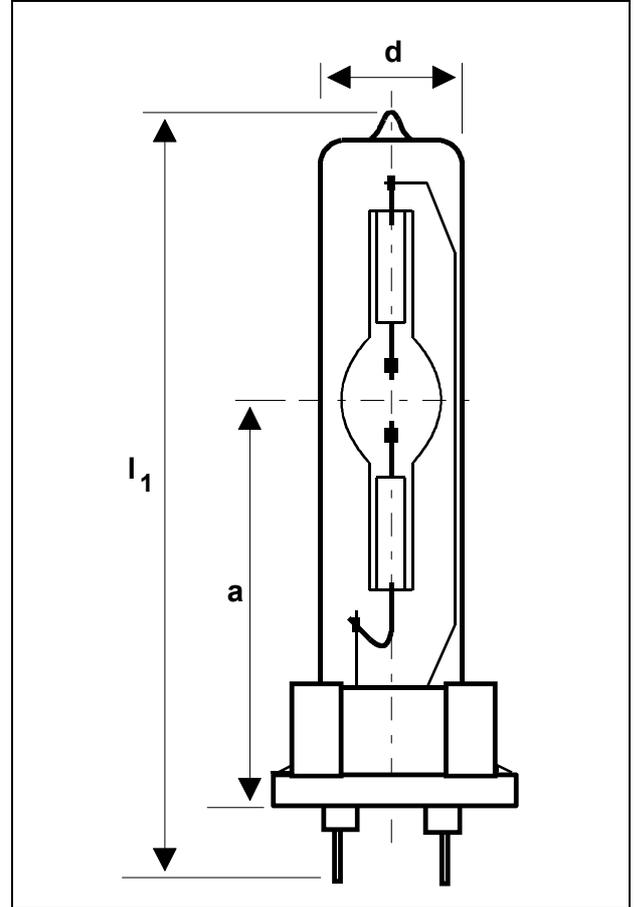Status: valid

Longlife Metal Halide Lamp

4ArXS HSD® 150W/70

■ 4ArXS – For Architainment eXtreme Seal

The OSRAM 4ArXS HSD® 150W/70 is a longlife metal halide lamp with outer bulb and UV filter. 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 only for cold start. The 4ArXS HSD® 150W/70 is perfect for use in effect and architectural effect lighting.

■ Technical data

Order reference		4ArXS HSD® 150W/70
Rated wattage	W	150
Rated voltage	V	97
Rated lamp current (~)	A	1.8
Ignition voltage	kV_S	3.5 (max. 5.0)
Luminous flux	lm	12,000
Color rendering index	Ra	> 85
Color temperature	K	7,000
Arc length	mm	5.5
Lamp length (overall) l_1	mm	max. 105
Bulb diameter d	mm	max. 20
LCL (a)	mm	56
Average service life	h	3,000
Base		G 12

■ Lamp operation

Maximum permissible base temperature	°C	450 at Molybdenium foil / Pinch seal region (eXtreme Seal Technology)
Cooling		Convection or Fan
Burning position		any

The 4ArXS HSD® 150W/70 can either be operated on magnetic ballast or on electronic power supplies (ECG).

■ Manufacturers of igniters and control gear (not all officially approved by OSRAM)

Ignitors: OSRAM (integrated to Powertronic), BAG NI 400 LE, Magnetek ZG 4,5
Ballasts: VS NaHJ 150.522, VS NaHJ 150.355, Tridonic OMBIS 150, ERC HID 90
ECGs: OSRAM Powertronic PTU 150/220-240, Schiederwerk, Mitronic, Rotec, Tridonic

■ Safety instruction

The 4ArXS HSD® 150W/70 is equipped with an UV filter. Nevertheless because of the fact that 4ArXS HSD® lamps operate at high pressures, they may only be used in purpose-built enclosed housings.

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