

Technical Information

No. FO 5436

Edition: 01/06 - subject to change

Supersedes: 04/05

Status: valid



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

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.

