

Technical Information

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Metal Halide Lamp

HMI[®] 1200 W/S

■ Product description

The OSRAM HMI[®] 1200 W/S is a double-ended metal halide lamp with daylight-like color temperature in compact design. The threaded pins and the pre-focus bases enables an easy and precise adjustment in the optical path. The OSRAM "eXtreme Seal" Technology enables higher pinch temperatures up to max. 450°C. The HMI[®] 1200 W/S is suitable for hot restart and has a high luminance. It is mainly used in stage and studio lighting, show and effect lighting.

■ Technical data *

Order reference		HMI [®] 1200 W/S
Rated lamp wattage	W	1,200
Rated lamp voltage	V	100
Rated lamp current (~)	A	13.8
Ignition voltage (cold/hot)	kV _s	5 / 35 (max. 45)
Luminous flux	lm	110,000
Color temperature	K	6,000
Color rendering index	Ra	> 90
Electrode gap e	mm	7
Lamp length (overall) l ₁	mm	max. 136
Lamp length l ₂	mm	115 ± 1
Bulb diameter d	mm	max. 21
LCL a	mm	57,5 ± 1
Average service life	h	750
Base		SFc 10-4 with notch

* Data are average values if no tolerance is noted

■ Lamp operation

Maximum permissible pinch temperature °C 450 / with eXtreme Seal Technology (measured on Moly-foil/welding)

Cooling forced cooling necessary (fan); min. air flow at bases: 1,5 m/sec

Burning position any

The HMI[®] 1200 W/S can either be operated on standard ballasts or on electronic power supplies (ECG).

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

Igniters: ERC 64032; I.R.E.M. AD-1550, sAD-1550; Mitronic ZG 1200; Walker SA-1200-i3; Bauch 244, 242

Ballasts: ERC 686290/2; I.R.E.M. BC-1200; LTM A-609; Mitronic VG 1200; RDS BC-1200 E

ECGs: B&S EB 1200C; DE SISTI DEB 1200; LTM A 519; Lumo Super 1.2; Mitronic EVG 1200; RDS EB-1200; Sachtler Netronic 1200; Sansha SG-1200; Walker HMI 575, SC 575/1200; Schiederwerk EVG 12-12

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

