

# Technical Information

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# Metal Halide Lamp

# HMI® 1200 W/DXS

## Product description

The OSRAM HMI® 1200 W/DXS is a double-ended metal halide lamp with shortened electrode gap in pinch seal technology. The lamp is characterized by a high luminance in optical systems and maintains a high color stability over its long average lifetime of 1,000 hours. The HMI® 1200 W/DXS is hot re-startable.

## Technical data

Lamp / order reference		HMI® 1200 W/DXS
Rated lamp wattage	W	1.200
Lamp voltage	V	100
Lamp current (~)	A	13.8
Ignition voltage (cold, kHz igniter)	kV <sub>s</sub>	4.5
Ignition voltage (cold/hot, MHz ign.)	kV <sub>s</sub>	12 / 35 (max. 45 *)
Luminous flux	lm	110,000
Color temperature	K	6,000
Color rendering index	CRI	> 90
Electrode gap e	mm	10
LCL a	mm	90
Lamp length l <sub>1</sub> (over all)	mm	max. 220
Lamp length l <sub>2</sub>	mm	max. 180
Bulb diameter	mm	27
Average service life	h	1,000
Base		SFc 15,5

\* maximum peak value of surge voltage

## Lamp operation

Maximum permissible base temperature	°C	450 / with eXtreme Seal Technology (measured on
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Cooling	Convection
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Burning position	any
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The HMI® 1200 W/DXS 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; AD-1550, sAD-1550; Mitronic ZG 1200; Walker SA-1200-i3; Bauch 242, 244, 250

Ballasts: May & Christe HMI 1200W spec. M/O 1042; ARRI L2.75832.E; ERC 681851, 681 856, 681 857; LTM A-609; Lumo 510-052; Mitronic VG 1200; Panther FL 1200, ST 1200; Sachtler B12 110, B 12 220; Strand 65 207 720; ARRI 1200 CB

ECGs: B&S EB 1200C; De Sisti DEB 1200; LTM A 519; Lumo Super 1.2; Mitronic PE1k2 line, PFPE12 line; RDS EB-1200; Sachtler Netronic 1200; Sansha SG-1200; Walker HMI 575, SC 575/1200; Schiederwerk EVG 12-12; ARRI 575/1200 EBB / EB DMX

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

