

Technical Information

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High Power Metal Halide Lamp

HMI[®] 12000 W/DXS

■ Product description

The OSRAM HMI[®] 12000 W/XS is a high-end metal halide lamp. Due to its short electrode gap a high luminance and efficacy is achieved. With a luminous flux of more than one million Lumens and the daylight-like spectrum this lamp type is especially suitable for film and TV shooting. The double-foil technology used for the lead-ins and the reliable XS-Technology ensures a stable and safe operation with enhanced thermal resistance up to 450°C pinch temperature.

■ Technical data

Order reference	HMI [®] 12000 W/DXS	
Rated lamp wattage	W	12000
Rated lamp voltage	V	160 ± 10
Rated lamp current (~)	A	84
Ignition voltage (cold/hot, MHz-ign.)	kV _s	20 / 65
Luminous flux	lm	1.150.000
Luminous efficacy	lm/	96
Color temperature	K	6.000
Color rendering index	Ra	> 90
Light arc length	mm	25
Lamp length l ₁	mm	max. 470
Bulb diameter d	mm	64
Average service life	h	500
Base	S 30	

■ Lamp operation

Maximum permissible base temperature	°C	450 / with eXtreme Seal Technology
Cooling	Convection	
Burning position	horizontal ± 15°, p 15	

The HMI[®] 12000 W/XS 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:	BAUCH 908, DESISTI 2550
Ballasts:	ARRI 12kW CB; Power Gems EB 1260P
ECGs:	ARRI 6/12 EB, 12/18 EB; DESISTI 2455

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.

