

## Technical Information

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## High Power Metal Halide Lamp

# HMI® 12000 W/XS

### ■ 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/XS	
Rated lamp wattage	W	12,000
Rated lamp voltage	V	160
Rated lamp current (~)	A	84
Ignition voltage (cold / hot)	kV <sub>s</sub>	20 / 65 (max. 70)
Luminous flux	lm	1,150,000
Luminous efficacy	lm/W	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 $\pm 15^\circ$ , 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.

