

## Technical Information

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## High Power Metal Halide Lamp

# HMI® 24000 W/DXS

### ■ Product description

The OSRAM HMI® 24000W/DXS is the newest and largest HMI metal halide lamp. With a luminous flux of more than 2.3 million lumens and the daylight-like HMI color (6000K) this lamp type is particularly suitable for film and TV shooting. The new multiple foil sealing system ensures higher performance, especially enhanced thermal ruggedness in compact design ( same OML as HMI 18kW/DXS). Combined with the reliable XS-Technology, the thermal resistance is up to 450°C pinch temperature with nominal service life of 375 hours.

### ■ Technical data

Order reference	HMI® 24000 W/DXS	
Rated lamp wattage	W	24,000
Rated lamp voltage	V	280
Rated lamp current (~)	A	86
Ignition voltage (cold / hot)	kV <sub>s</sub>	20 / 65 (max. 70)
Luminous flux	lm	2,300,000
Luminous efficacy	lm/W	95
Color temperature	K	6,000
Color rendering index	Ra	> 90
Light arc length	mm	50
Lamp length $l_1$	mm	max. 500
Bulb diameter $d$	mm	83
Average service life	h	375
Base	S 30	

### ■ Lamp operation

Maximum permissible pinch seal temperature	°C	450 / with eXtreme Seal Technology (measured at welding point)
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Cooling	Convection
Burning position	horizontal $\pm 15^\circ$ p15

The HMI® 24000 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)

Ignitors:	Power Gems, I.R.E.M., Walter Bauch ZG924
ECGs:	Power Gems EB 24/18/12, B&S EB24/18

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

