

Technical Information

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High Power Metal Halide Lamp

HMI® 18000 W/XS

■ Product description

The OSRAM HMI® 18000W/XS is the high-end double-ended metal halide lamp. With a luminous flux of more than one and a half 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 and a longer nominal service life (now 300 hours).

■ Technical data

Order reference	HMI® 18000 W/XS	
Rated lamp wattage	W	18,000
Rated lamp voltage	V	225
Rated lamp current (~)	A	88
Ignition voltage (cold / hot)	kV _s	20 / 65 (max. 70)
Luminous flux	lm	1,700,000
Luminous efficacy	lm/W	94
Color temperature	K	6,000
Color rendering index	Ra	> 90
Light arc length	mm	44
Lamp length l_1	mm	max. 500
Bulb diameter d	mm	70
Average service life	h	300
Base	S 30	

■ Lamp operation

Maximum permissible pinch temperature	°C	450 / with eXtreme Seal Technology
Cooling	Convection	
Burning position	horizontal $\pm 15^\circ$, p15	

The HMI® 18000W/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:	ARRI, B&S, DESISTI 2560
Ballasts:	Power Gems EB 1812P
ECGs:	ARRI 12/18KW EB; B&S, Power Gems, DESISTI

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.

