

Technical Information

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Advanced High Power Metal Halide Lamp

HMI® 18000 W/SE/GX51

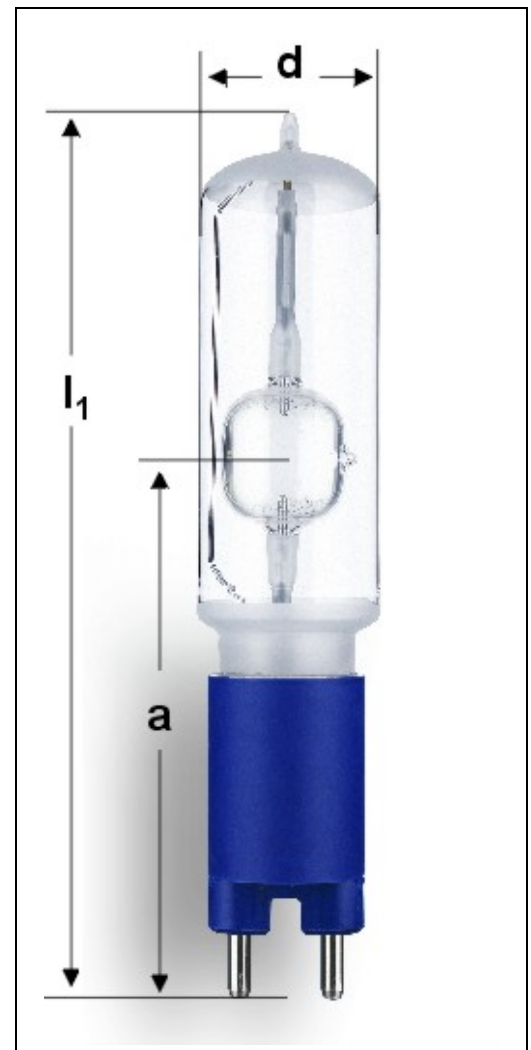
■ Product description

The OSRAM HMI® 18000 W/SE/GX51 is the most powerful single-ended metal halide lamp with outer bulb in the OSRAM product range. This rugged light source offers an enormous luminous flux and a long service life.

Featuring the OSRAM -XS- *eXtreme Seal* technology, the HMI® 18000 W/SE/GX51 can stand more heat – up to 450°C. With the new rugged base GX51 it is designed to withstand any situations at film and TV set lighting, especially at outdoor film shootings.

■ Technical data

Order reference		HMI® 18000 W/SE/GX51
Rated lamp wattage	W	18000
Rated lamp voltage	V	225 ± 10
Rated lamp current (~)	A	88
Ignition voltage (cold/hot, MHz-ZG)	kV _s	20 / 65
Luminous flux	lm	1,600,000
Color temperature	K	6,000
Color rendering index CRI		> 90
Electrode gap e	mm	44
Lamp length (overall) l ₁	mm	max. 495
Bulb diameter d	mm	100 (78)
LCL a	mm	260
Average service life	h	300
Base		GX 51 (2")



■ Lamp operation

Maximum base seal temperature allowed	°C	450 / with eXtreme Seal Technology (measured on Moly-foil/welding)
Cooling		Convection
Burning position		S 135 (vertical ± 135°)

The HMI® 18000 W/SE/GX51 can either be operated on standard ballast or on electronic power supplies (ECG).

■ Manufacturers of igniters and control gear (not all officially approved by OSRAM)

Igniters:	ARRI, B&S, Power Gems
Ballasts:	N.N.
ECGs:	ARRI, B&S, Power Gems

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.