

## Technical Information

No. FO 4404

Edition: 11/04 - subject to change

Supersedes: 08/04

Status: valid



## High Power Metal Halide Lamp

# HMI® 6000 W/SE

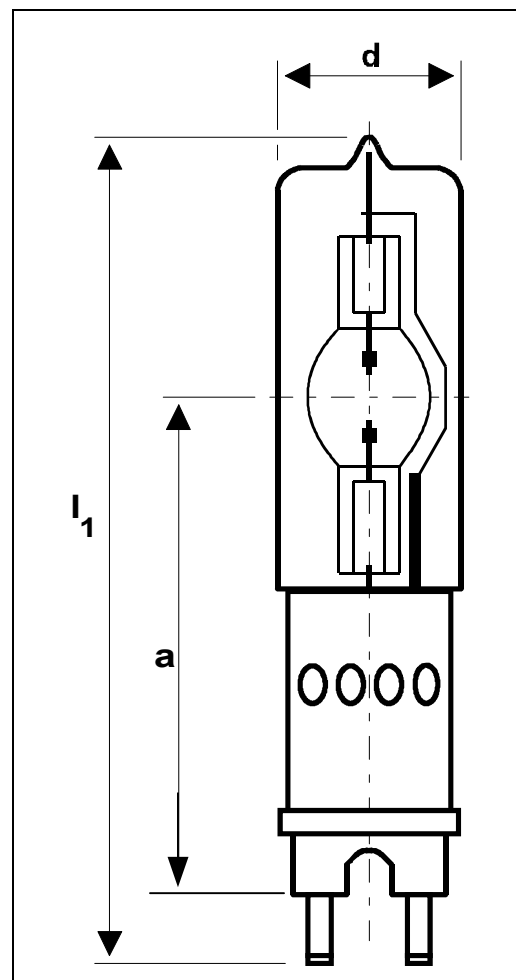
### ■ Product description

The OSRAM HMI® 6000 W/SE is a very powerful single-ended metal halide lamp with outer jacket. This light source offers an enormous luminous flux for a long average service life.

Featuring the OSRAM -XS- *eXtreme Seal* technology, the HMI® 6000 W/SE can stand more heat – up to 450°C. This lamp is mainly used for stage, studio, film and TV, especially for outdoor film shooting.

### ■ Technical data

Order reference		HMI® 6000 W/SE
Rated lamp wattage	W	6,000
Rated lamp voltage	V	123
Rated lamp current (~)	A	55
Ignition voltage (cold / hot)	kV <sub>s</sub>	10 / 40, max. 60
Luminous flux	lm	600.000
Color temperature	K	6.000
Color rendering index CRI		> 90
Electrode gap e	mm	23
Lamp length (overall) l <sub>1</sub>	mm	360
Bulb diameter d	mm	75
LCL a	mm	210
Average service life	h	500
Base		GX 38



### ■ 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°); in horizontal position current bar up

The HMI® 12000 W/SE 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: Walter Bauch 907 and 916, DeSisti 2642

Ballasts/Chokes: ARRI 6kW CB; Power Gems EB 640P

ECGs: ARRI 6000 EB, 6/12kW EB; B&S EVG 6000C, Walter Bauch 907, DeSisti 2445

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.