

## Technical Information

No. DO 4995

Edition: 10/08 - subject to change

Supersedes: 11/04

Status: valid



## High Power Metal Halide Lamp

# HMI® 12000 W/SE XS

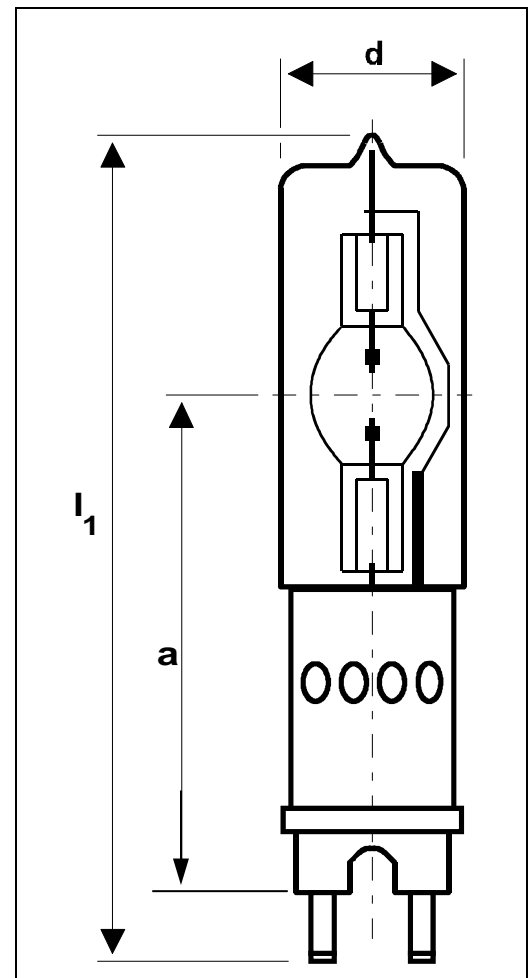
### ■ Product description

The OSRAM HMI® 12000 W/SE is a very powerful single-ended metal halide lamp with outer jacket. This light source offers an enormous luminous flux over a long service life.

Featuring the OSRAM -XS- *eXtreme Seal* technology, the HMI® 12000 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® 12000 W/SE XS	
Rated lamp wattage	W	12000
Rated lamp voltage	V	160 ± 10
Rated lamp current (~)	A	84
Ignition voltage (cold/hot, MHz-ign.)	kV <sub>s</sub>	20 / 65
Luminous flux	lm	1.150.000
Color temperature	K	6.000
Color rendering index CRI		> 90
Electrode gap e	mm	27
Lamp length (overall) l <sub>1</sub>	mm	450
Bulb diameter d	mm	100 (71,5)
LCL a	mm	255
Average service life	h	300
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, DESISTI
Ballasts:	ARRI 12kW CB, B & S, Power Gems
ECGs:	ARRI 6/12kW EB, 12/18kW EB, B & S, Walter Bauch, 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-Optic", order reference 123T01E.