

Technical Information

No. DO 4304

Edition: 10/08 - subject to change

Supstitutes: 08/04

Status: valid



Metal Halide Lamp

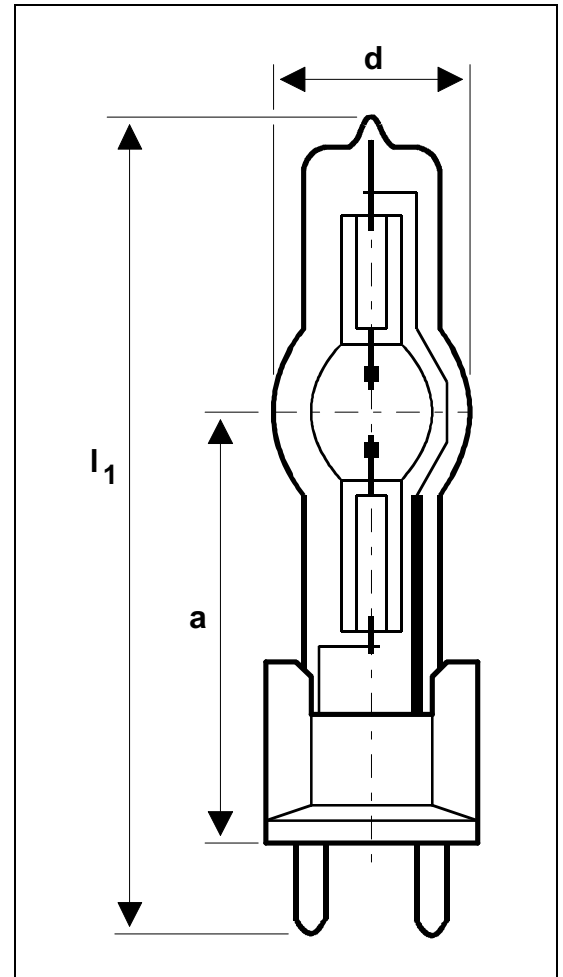
HMI[®] 4000 W/SE XS

■ Product description

The OSRAM HMI[®] 4000 W/SE is a single-ended metal halide lamp with outer jacket. Featuring OSRAM's eXtreme-Seal Technology, the lamp stands pinch temperatures up to 450°C now. This lamp type is mainly used in film and TV lighting, for stage, show and industrial solar simulation.

■ Technical data

Order reference	HMI [®] 4000 W/SE XS	
Rated lamp wattage	W	4000
Rated lamp voltage	V	190 ± 10
Rated lamp current (~)	A	25
Ignition voltage (cold, kHz-ign.)	kV _s	5
Ignition voltage (cold/hot, MHz-ign.)	kV _s	20 / 50..60
Luminous flux	lm	380,000
Luminous efficacy	lm/	95
Color temperature	K	6,000
Color rendering index	Ra	> 90
Electrode gap e	mm	23,5
Lamp length (overall) l ₁	mm	max. 250
Bulb diameter d	mm	max. 75
LCL a	mm	142
Average service life	h	500
Base	G38	



■ Lamp operation

Maximum pinch seal temperature allowed	°C	450 / with eXtreme Seal Technology (measured at welding point)
Cooling	Convection	
Burning position	any	

The HMI[®] 4000 W/SE 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:	I.R.E.M. AD-3065, sAD-3065; Bauch 276, 940
Ballasts:	ARRI 4000 CB, 4000 CB DMX; I.R.E.M. BC-4000; LTM 501 701; Lumo UB 4 KW, 510-054; May & Christe 1105.1250.005, 1105.2305.003; RDS BU-4000 EP; Strand 65 209 750
ECGs:	ARRI 2.5/4kW EB, 2.5/4kW EB DMX, ; B&S EB 4000C; DE SISTI DEB 4000; I.R.E.M. EB-4000, sEB-4000; LTM 501 530; Sansha SG-4000, Super 4KW; Strand 65 209 760; Lightmaker T.L. 4000

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