

Technical Information

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Metal Halide Lamp

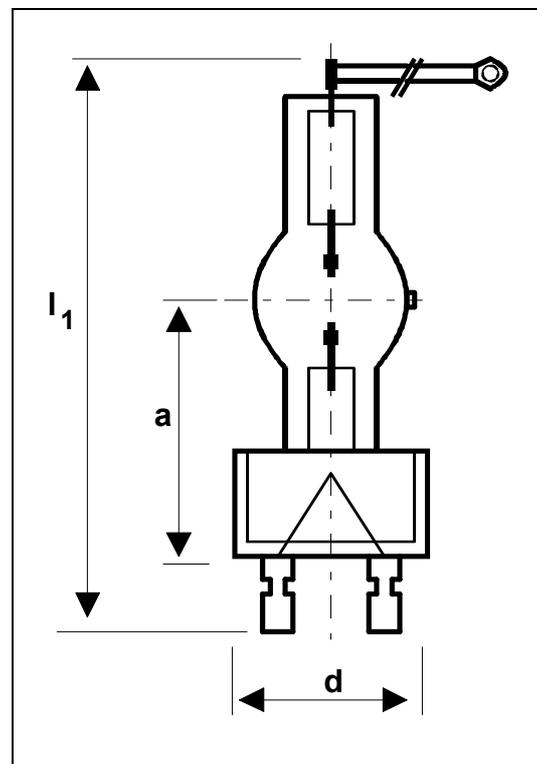
HTI[®] 2500 W/SE

■ Product description

The OSRAM HTI[®] 2500 W/SE is a single-ended metal halide lamp without outer bulb. It is the preferable daylight-source if highest luminous flux, high luminance and compact lamp size are required. The OSRAM "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. The HTI[®] 2500 W/SE is mainly used in the effect lighting field as well as in followspots.

■ Technical data

Order reference	HTI [®] 2500 W/SE	
Rated lamp wattage	W	2,500
Rated lamp voltage	V	115
Rated lamp current (~)	A	25.6
Ignition voltage (cold / hot)	kV _s	8 / 45
Luminous flux	lm	240,000
Average luminance	cd/cm ²	30,000
Color temperature	K	6,000
Color rendering index	Ra	> 90
Electrode gap e	mm	14
Lamp length (overall) l ₁	mm	max. 180
Light center length a	mm	85
Bulb width d	mm	42
Average service life	h	600
Base	G 22; both cap pins are connected with the electrode close to the base; electrical connection of the top electrode only with flying lead	



■ Lamp operation

Maximum permissible pinch temperature	°C	450°C (eXtreme Seal)
Cooling	Fan; max. permissible foil temperature 350°C	
Burning position	vertical ± 135°, s 135	

The HTI[®] 2500 W/SE can either be operated on electronic power supplies (ECG) or on standard ballasts.

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

Igniters:	I.R.E.M. AD-3050, sAD-3050; Mitronic ZG 2500; Bauch 905, 912
Ballasts:	ERC 686290/2 (2 units in parallel); I.R.E.M. BC-2500; LTM 502501; Lumo 510-053; May & Christe 1105.0815.001, 1105.2305.003; Mitronic VG 2500; Panther FL 2500, ST 2500; RDS BC-2500; Strand 65 208 220
ECG:	ARRI L2.76110.F; B&S EB 2500C; DE SISTI EB 2500C; ERC DEB 2500; I.R.E.M. EB-2500, sEB-2500; LTM A 522; Lumo Super 2.5; RDS EB-2500; Sansha SG-2500; Strand 65 208 760

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