

Technical Information

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Metal Halide Lamp

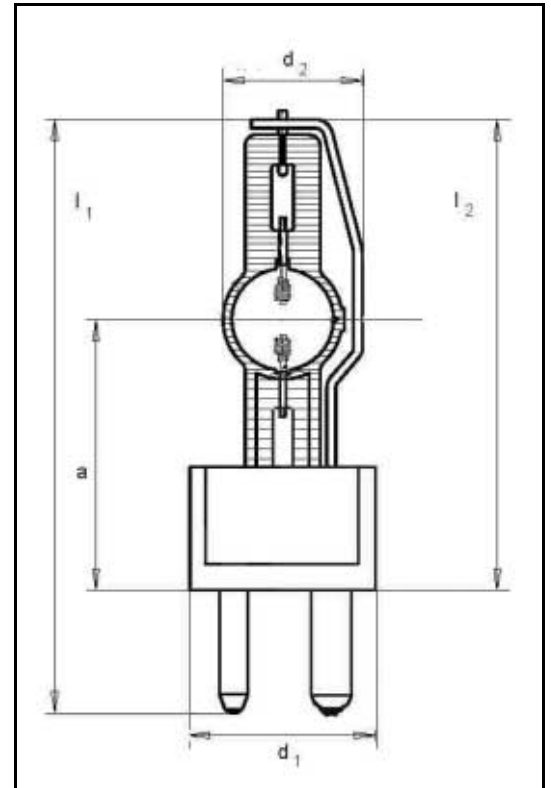
HTI[®] 1200 W/SE

■ Product description

The OSRAM HTI[®] 1200 W/SE is a single-ended metal halide lamp without outer bulb. The OSRAM "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. It is the preferable daylight-source if highest luminous flux, high luminance and small lamp size are required. The HTI[®] 1200 W/SE is mainly used in the effect light field.

■ Technical data

Order reference	HTI [®] 1200 W/SE	
Rated lamp wattage	W	1,200
Rated lamp voltage	V	100
Rated lamp current (~)	A	13.8
Ignition voltage (cold / hot)	kV _s	4.5 / max. 25
Luminous flux	lm	105,000
Luminous efficacy	lm/W	87
Color temperature	K	5,400
Electrode gap e	mm	7
Lamp length (overall) l ₁	mm	max. 137
Lamp length (to base bottom)	mm	max. 107
LCL a	mm	59
Base width d ₁	mm	42
Diameter bulb / current bar d ₂	mm	max. 34
Average service life	h	750
Base	GY 22	



■ Lamp operation

Maximum permissible pinch temperature	°C	450 (eXtreme Seal)
Cooling	Fan	
Burning position	vertical + 135°, s 135; horizontal burning position: current bar below lamp / for moving heads ANY	

The HTI[®] 1200 W/SE can either be operated on electronic power supplies (ECG) or on standard ballasts. In terms of performance ECG operation is to be preferred.

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

Igniters:	ERC 640032; BAG TURGI SE 15/7U
Ballasts:	ERC 686290/2; IREM BC-1200; May & Christe 1104.1125.033; RDS BC 1200-E; L.P. Associates 8612-4; Sachtler B 12220
ECG:	Mitronic PE Line 700-1200, PFPE12 Line 700-1200; San Rex SG 1200; Walker SA HMI 1200 I3, SC 575/1200; Schiederwerk EVG 12-12

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.