

Technical Information

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Metal Halide Lamp

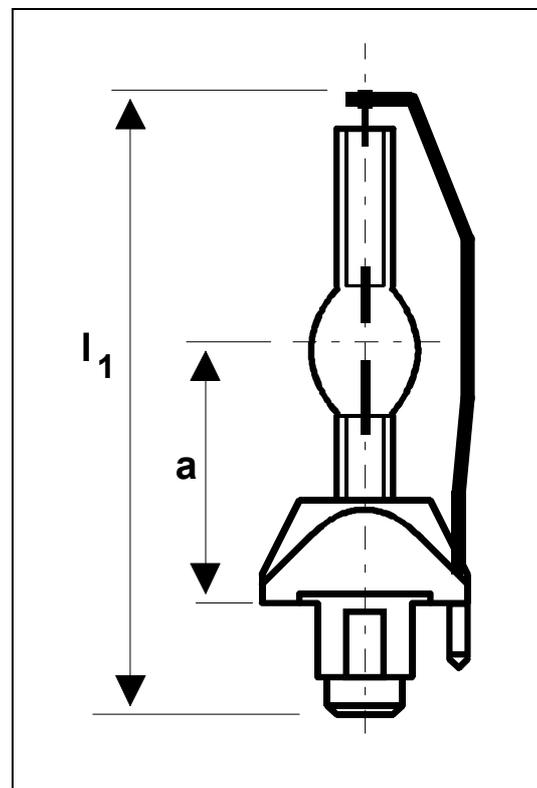
HTI[®] 400 W/SE

■ Product description

The OSRAM HTI[®] 400 W/SE is a single-ended metal halide lamp without outer bulb. The lamp is characterized by its compact size, a high luminous flux and a high luminance. The HTI[®] 400 W/SE is mainly used in the effect light and commercial projection field as well as for overhead and slide projection applications.

■ Technical data

Order reference		HTI [®] 400 W/SE
Rated lamp wattage	W	400
Rated lamp voltage	V	55
Rated lamp current (square)	A	7.3
Ignition voltage (cold / hot)	kV _s	4.5 / 20
Luminous flux	lm	28,000
Average luminance	cd/cm ²	30,000
Color temperature	K	4,800
Color rendering index	Ra	> 85
Electrode gap e	mm	4
Lamp length (overall) l ₁	mm	max. 84
Bulb diameter d	mm	35



Average service life	h	250
Base		FaX 1,5

■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling		forced cooling / fan
Burning position		horizontal ± 45°, current bar at the bottom, p 45

The HTI[®] 400 W/SE should be operated on electronic power supplies (ECG); standard ballasts can be used; some lamp parameters might be reduced.

■ Manufacturers of operating and control devices (not all officially approved by OSRAM)

Igniters:	Mitronic	270/400
	Bauch	252
Ballasts:	ERC, May & Christe (not serial)	
ECGs:	Gossen C 36 AC 400; Mitronic PE Line 400-700, PFPE Line 400-700; San Rex SG 400; Schiederwerk EVG 250/400, 400/575 C, EVG 5-40; Walker SA HTI 400 I2	

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.