

Technical Information

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Metal Halide Lamp

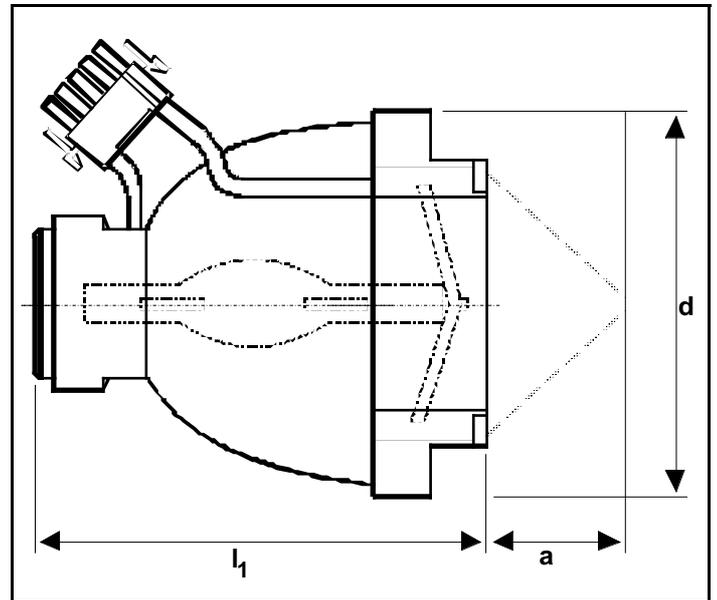
HTI[®] 400 W/24

■ Product description

The OSRAM HTI[®] 400 W/24 is a high performance light source with a focusing cold-light reflector. In a distance of 24 mm from the reflector's front ceramic ring (i.e. mounting distance) a field of 8 mm diameter is illuminated. The HTI[®] 400 W/24 is mainly used in effect lighting, substandard film projection and for endoscopy using lightguides of more than 8 mm diameter.

■ Technical data

Order reference		HTI [®] 400 W/24
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
Color temperature	K	5,600
Electrode gap	mm	4.2
Lamp length (overall) l_1	mm	max. 73
Reflector diameter d	mm	67
Luminous area \varnothing	mm	8 / spot
Mounting distance a	mm	24
Electrical connection		AMP connector 350809-1
Average service life	h	250



■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling		Fan; horizontal air flow from bottom passing through the gap in the front and rear ceramic ring
Burning position		horizontal $\pm 20^\circ$, p 20

For best luminous efficacy and best light stability the HTI[®] 400 W/24 should be operated on electronic power supplies (ECG). For less critical applications the operation on standard ballasts is possible; some lamp parameters may be reduced then.

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

Ignitors:	Mitronic 270/400; Bauch 252
Ballasts:	ERC, May & Christe (not serial)
ECGs:	Gossen C 36 AC 40; Mitronic ENE 270/40; San Rex SG 400; Walker SA HTI 400 I2