

Technical Information

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Metal Halide Lamp

HTI[®] 250 W/32 (C)

■ Product description

The OSRAM HTI[®] 250 W/32 is a highly efficient light source with a focusing dichroic cold-light reflector. In a distance of 32 mm from the reflector's front ceramic ring (i.e. mounting distance) a field of 5 mm diameter is illuminated. The HTI[®] 250 W/32 is mainly used for endoscopy as well as in the effect lighting projection.

■ Technical data

Order reference	HTI [®] 250 W/32	
Rated lamp wattage	W	270
Rated lamp voltage	V	45
Rated lamp current (square)	A	6
Ignition voltage (cold / hot)	kV _s	4.5 / 20
Color temperature	K	5,600
Electrode gap	mm	2.3
Lamp length (overall) l_1	mm	max. 73
Reflector diameter d	mm	67
Luminous area	5 mm spot	
Mounting distance a	mm	32
Average service life	h	250

■ Lamp operation

Electrical connection	<ul style="list-style-type: none">• HTI[®] 250 W/32: pins with 2 resp. 2,5 mm diameter• HTI[®] 250 W/32 (C): cable and plug-in contact (AMP connector 350809-1)	
Maximum permissible base temperature	°C	230
Cooling	Fan; horizontal air flow from the side passing through the gap in the front and rear ceramic ring	
Burning position	horizontal $\pm 20^\circ$, current bar downwards, p 20	

For best luminous efficiency and best light stability (required for e.g. endoscopy, film projection) the HTI[®] 250 W/32 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 35 AC 250; Mitronic ENE 270/40; San Rex SG 250; Walker SA HMI 250 I1

