

Technical Information

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Metal Halide Lamp

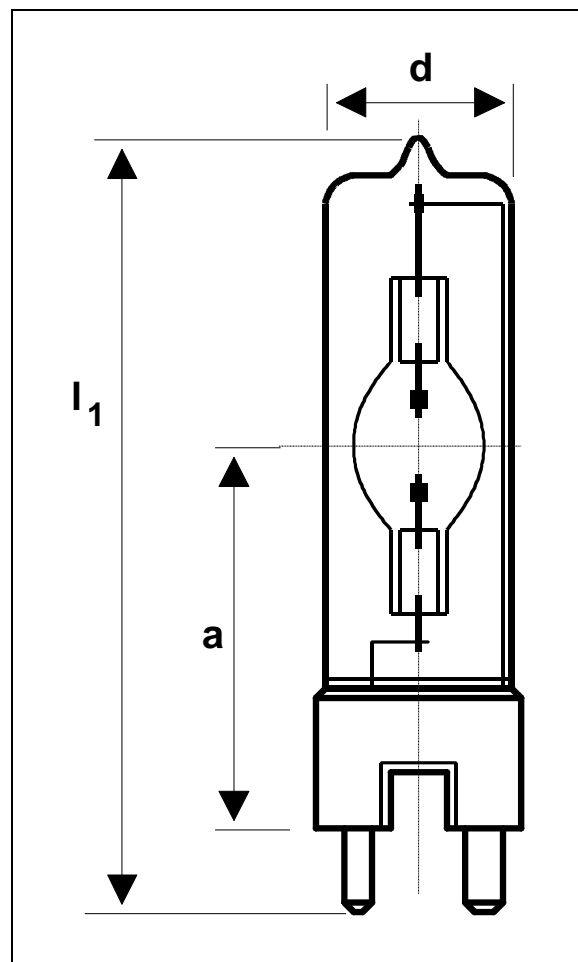
HMI® DIGITAL 200W

■ Product description

The OSRAM HMI® DIGITAL 200W is a metal halide lamp with outer jacket. Due to its compact design and the high output a high system efficacy is achieved. The lamp stands pinch temperatures up to 350°C. New outer bulb material reduces UV emissions down to 0.1%. This lamp type is mainly used in film, theatre and TV lighting applications.

■ Technical data

Order reference	HMI®	DIGITAL 200W
Rated lamp wattage	W	200
Rated lamp voltage	V	69 ± 10
Rated lamp current (square wave)	A	2.9
Ignition voltage (cold, kHz ign.)	kV _s	5
Ignition voltage (cold/hot, MHz-ign.)	kV _s	6 / 20 (max. 25)
Luminous flux	lm	16,000
Luminous efficacy	lm/W	80
Color temperature	K	6,900
Color rendering index	Ra	> 90
Electrode gap e	mm	5
Lamp length (overall) l ₁	mm	max. 80
Bulb diameter d	mm	max. 20 (12,5)
LCL a	mm	39
Average service life	h	200
Base		GZY 9.5



■ Lamp operation

Maximum pinch seal temperature allowed	°C	350
Cooling	Convection	
Burning position	Any	

The HMI® DIGITAL 200W can be used only on electronic control gears (ECG) especially for flicker-free operation.

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

Ignitors:	I.R.E.M. AD-825; Mitronic ZGV 125-F2; Walker SA-200-i1; Bauch 252; Gossen ZG 0, ZG 1, Hansmann ER 200-17 and ERF 200-17-L
ECGs:	DE SISTI DEB 200; Gossen C 39, AC 200; Kobold NE 200N; Lightmaker T.L. 200; ARRI 200 EB; Mitronic PE 400-20; Panther FLIB 200; RDS MT-200 DC; Walker HMI 200; Schiederwerk EVG 2-20

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

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