

Technical Information

No. FO 4429

Edition: 02/02 - subject to change

Supersedes: Edition 10/98

Status: valid

Metal Halide Lamp

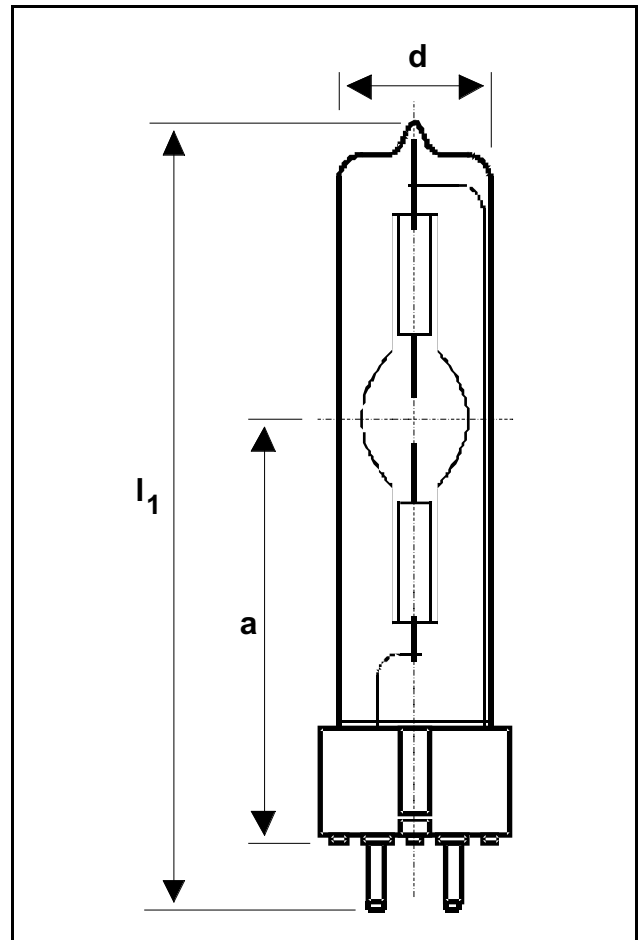
HSR[®] 400/60

■ Product description

The OSRAM HSR[®] 400/60 is a single ended metal halide lamp of the medium power stage with daylight-like characteristics. The lamp design with outer bulb allows easy handling. The HSR[®] 400/60 is mainly used in the effect and advertisement projection field. No hot restrike is possible.

■ Technical data

Order reference		HSR [®] 400/60
Rated lamp wattage	W	400
Rated lamp voltage	V	67
Rated lamp current (~)	A	6.9
Ignition voltage (cold)	kV _s	2
Luminous flux	lm	33,000
Average luminance	cd/cm ²	20,000
Color temperature	K	6,000
Color rendering index	Ra	> 85
Light arc length	mm	5
Lamp length (overall) l ₁	mm	110
Bulb diameter d	mm	23
LCL a	mm	62
Average service life	h	650
Base		GX 9.5



■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling	Convection or Fan	
Burning position	any	

The HSR[®] 400/60 is designed for operation on standard ballasts.

■ Selection of igniters and control gear

Igniters:	BAG TURGI MZN 1000 S; ERC 640042; May & Christe ZG 10 SE; ZUMTOBEL ZRM12
Ballasts:	ERC 686228/2; Regalux 400W
ECG:	Mitronic PE Line 400-700

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.

■ Safety instruction

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Because of the high UV radiation emitted by HSR[®] lamps and the fact that they operate at high pressure, they must only be used in purpose-built enclosed housings. Suitable filters must be used to ensure that the UV radiation is reduced to an acceptable level.