

# Technical Information

# Metal Halide Short Arc Lamp

No. FO 5158 - subject to change without notice

Edition: 09/2003

Supersedes: --/ (initial release)

Status: valid

## SharXS<sup>®</sup> HTI<sup>®</sup> 200 W/D3/70

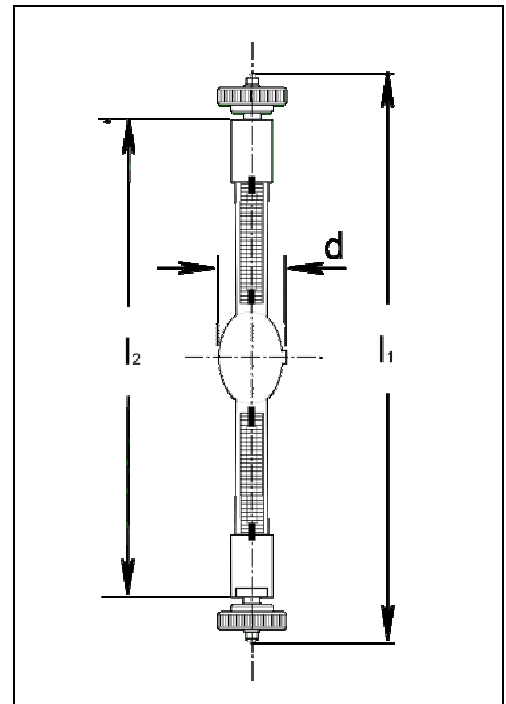
### ■ Product description

The OSRAM SharXS<sup>®</sup> HTI<sup>®</sup> 200 W/D3/70 is a compact double-ended ('D') metal halide lamp of the new SharXS<sup>®</sup> family. By the extra short arc of 3 mm ('3'), this lamp has a very high luminance and provides a high output for intelligent entertainment lighting. The "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. Being doubled-ended (with pre-focus base) the lamp is hot restrikable.



### ■ Technical data

Order reference	SharXS <sup>®</sup>	HTI <sup>®</sup> 200 W/D3/70
Rated lamp wattage	W	200
Rated lamp voltage (ECG)	V	60
Rated lamp current (ECG)	A	3.3
Ignition voltage (cold/hot)	kV <sub>s</sub>	3 / 25
Luminous flux	lm	13,000
Average Luminance	cd/cm <sup>2</sup>	30,000
Color temperature	K	7,000
Color rendering index CRI		> 85
Light arc length (cold)	mm	3
Lamp length (overall) l <sub>1</sub>	mm	max. 135
Lamp length l <sub>2</sub>	mm	max. 115
Diameter bulb d	mm	max. 16
LCL a	mm	57.5
Average service life	h	3000
Base (pre-focus)		SFc-10-4 with notch



### ■ Lamp operation

Maximum permissible base temperature	°C	450 / with eXtreme Seal Technology (measured on Moly-foil/pinch)
Cooling		Forced cooling / fan; optional SharXS <sup>®</sup> fins for cooling are available
Burning position		Any

The SharXS<sup>®</sup> HTI<sup>®</sup> 200W/D3/70 is designed for ECG operation. Operation on magnetic ballast is not recommended.

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

Igniters:	OSRAM, Schiederwerk, Mitronic, Bauch
ECGs:	OSRAM Powertronic, Schiederwerk, Mitronic
Ballasts:	ERC

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Please note: this list is not exhaustive.

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