

# Technical Information

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# Metal Halide Short Arc Lamp

## SharXS® HTI® 1200 W/D7/75

### ■ Product description

The OSRAM SharXS® HTI® 1200 W/D7/75 is a compact double-ended ('D') metal halide lamp of the new SharXS® family with "bright-light" character. By the extra short arc of 7 mm ('7'), 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 suitable for hot restart.

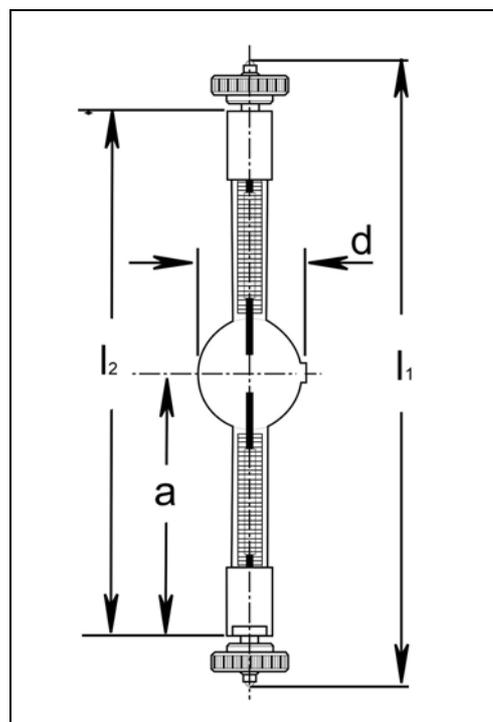


### ■ Technical data \*

Order reference	SharXS®	HTI® 1200 W/D7/75
Rated lamp wattage	W	1200
Rated lamp voltage	V	95 / 100
Rated lamp current (ECG/MCG)**	A	12.7 / 13.8
Ignition voltage (cold/hot)	kV <sub>s</sub>	5 / 35 (max. 45)
Luminous flux	lm	110,000
Average luminance	cd/cm <sup>2</sup>	41,000
Color temperature	K	7,500
Color rendering index CRI		> 80
Light arc length (cold)	mm	7
Lamp length (overall) I <sub>1</sub>	mm	max. 136
Lamp length I <sub>2</sub>	mm	115 ± 1
Diameter bulb d	mm	max. 21
LCL a	mm	57.5 ± 1
Average service life	h	750
Base (pre-focus)		SFc-10-4 with notch

\* Data are average values if no tolerance is noted

\*\* ECG = electronic control gear / MCG = magnetic/conventional control gear



### ■ Lamp operation

Maximum permissible base temperature	°C	450 / with eXtreme Seal Technology (measured on Moly-foil/pinch)
Cooling		Forced cooling / fan
Burning position		Any

The SharXS® HTI® 1200W/D7/75 could be operated on electronic ballasts (ECG) and magnetic ballasts.

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

- Igniters: ERC 64032; I.R.E.M. AD-1550, sAD-1550; Mitronic ZG 1200; Walker SA-1200-i3; Bauch 244, 242
- Ballasts: ERC 686290/2; I.R.E.M. BC-1200; LTM A-609; Mitronic VG 1200; RDS BC-1200 E
- ECGs: B&S EB 1200C; DE SISTI DEB 1200; LTM A 519; Lumo Super 1.2; Mitronic EVG 1200; RDS EB-1200; Sachtler Netronic 1200; Sansha SG-1200; Walker HMI 575, SC 575/1200; Schiederwerk EVG 12-12
- Please note: this list is not exhaustive.