

Technical Information

Metal Halide Short Arc Lamp

No. FO 5166 - subject to change without notice

Edition: 09/2003

Supersedes: --/-- (initial release)

Status: valid

SharXS® HTI® 1200 W/D7/60

■ Product description

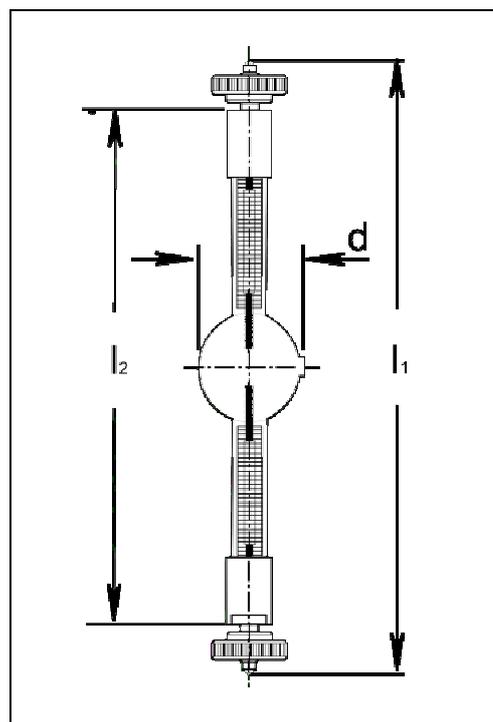
The OSRAM SharXS® HTI® 1200 W/D7/60 is a compact double-ended ('D') metal halide lamp of the new SharXS® family. By the extra short arc of 7 mm ('7'), this lamp has a very high luminance and provides a high output for intelligent entertainment lighting. The "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. Being doubled-ended (with pre-focus base) the lamp is hot restriokable.



■ Technical data

Order reference	SharXS®	HTI® 1200 W/D7/60
Rated lamp wattage	W	1200
Rated lamp voltage (ECG/MCG)*	V	95 / 100
Rated lamp current (ECG/MCG)*	A	12.7 / 13.8
Ignition voltage (cold/hot)	kVs	5 / 35 (max. 45)
Luminous flux	lm	110,000
Average luminance	cd/cm ²	41,000
Color temperature	K	6,000
Color rendering index CRI		> 90
Light arc length (cold)	mm	7
Lamp length (overall) l ₁	mm	max. 135
Lamp length l ₂	mm	max. 115
Diameter bulb d	mm	max. 21
LCL a	mm	57.5
Average service life	h	750
Base (pre-focus)		SFc-10-4 with notch

* 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; optional SharXS® fins for cooling are available
Burning position		Any

Best performance of the SharXS® HTI® 1200W/D7/60 is achieved with ECG operation. Operation on magnetic ballast is basically possible – with reduced performance and higher flicker rate to be expected.

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

Ignitors:	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

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Please note: this list is not exhaustive.