

Technical Information

Metal Halide Short Arc Lamp

No. FO 5164 - subject to change without notice

Edition: 09/2003

Supersedes: --/-- (initial release)

Status: valid

SharXS® HTI® 700 W/D4/60

■ Product description

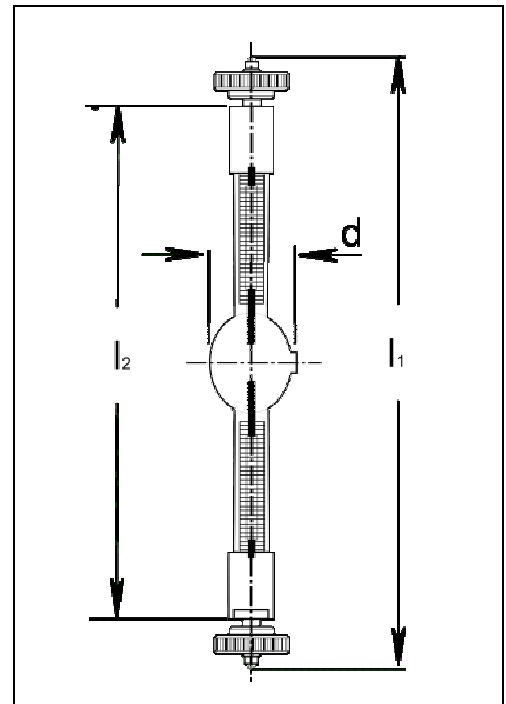
The OSRAM SharXS® HTI® 700 W/D4/60 is a compact double-ended ('D') metal halide lamp of the new SharXS® family. By the extra short arc of 4 mm ('4'), this lamp has a very high luminance and provides a high output for intelligent entertainment lighting. The "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. Being doubled-ended (with pre-focus base) the lamp is hot restrikable.



■ Technical data

Order reference	SharXS®	HTI® 700 W/D4/60
Rated lamp wattage	W	700
Rated lamp voltage (ECG/MCG)*	V	70 / 73
Rated lamp current (ECG/MCG)*	A	10.0 / 11.0
Ignition voltage (cold/hot)	kVs	3 / 25
Luminous flux	lm	59,000
Average Luminance	cd/cm ²	60,000
Color temperature	K	6,000
Color rendering index CRI		> 85
Light arc length (cold)	mm	4
Lamp length (overall) l ₁	mm	max. 135
Lamp length l ₂	mm	max. 115
Diameter bulb d	mm	max. 18
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® 700W/D4/60 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)

Igniters:	Schiederwerk, Mitronic
ECGs:	Schiederwerk EVG 7, PVG 7; Mitronic
Ballasts:	ERC 686 720/4, ERC 686 720/10

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Please note: this list is not exhaustive.