

Technical Information

No. FO 5288

Edition: 02/06 - subject to change

Substitutes: initial release

Status: valid

Short Arc Metal Halide Lamp

Baby SharXS® HTI® 250W/D5/80

■ Product description

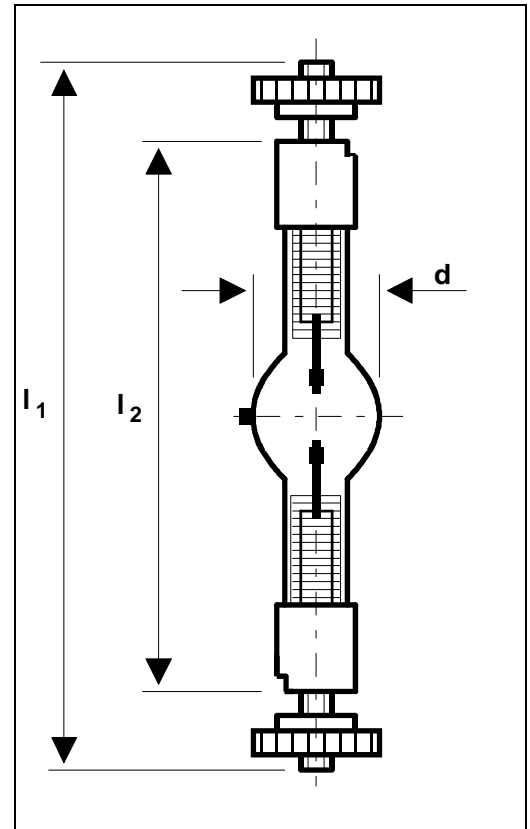
The OSRAM Baby SharXS® HTI® 250W/D5/80 is a very compact double-ended ('D') metal halide lamp of the new Baby SharXS® family. By the extra short arc of 5 mm ('5'), this lamp has a very high luminance and provides a high output for intelligent entertainment lighting. The "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. Being doubled-ended (with pre-focus base) the lamp is suitable for hot restart. The lamp length of 93 mm (max.) only allows the design of fixtures in very compact size. With 3,000 hours the lamp supplies a long average service life.



Baby SharXS

■ Technical data

Lamp / order reference	Baby SharXS® HTI® 250W/D5/80
Rated wattage	W 250
Rated voltage	V 90
Ignition voltage (cold / hot)	kV 2 / 20 (max. 25)
Lamp current (~)	A 3,2
Luminous flux	lm 17-19.000
Colour temperature	K 8.000
Color rendering index	Ra > 80 – 85
Light arc length (cold)	m 5
LCL a	m 35 ± 1
Lamp length l_1 (over all)	m max. 93
Lamp length l_2	m 70 ± 1
Bulb diameter d	m 16 (without pumping tip)
Average service life	h 3.000
Base	SFc 11-4 with notch



■ Lamp operation

Maximum permissible base temperature	°C 450 / with eXtreme Seal Technology (measured on Moly-foil/pinch)
Cooling	Fan
Burning position	any

The Baby SharXS® HTI® 250W/D5/80 is designed for an operation on conventional ballasts. Operation on electronic power supplies is possible.

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

Of all ballasts mentioned below two fixtures in a parallel circuit have to be used.

Igniters:	ERC 640041
Ballasts:	ERC 686823
ECG:	Schiederwerk EVG 2-25; Mitronic PE Line; Rotec MEB250MH/HPS-U

list to be completed.

