SharXS HTI

Metal halide lamps, double-ended



Areas of application

- Concert and effect lighting

Product family features

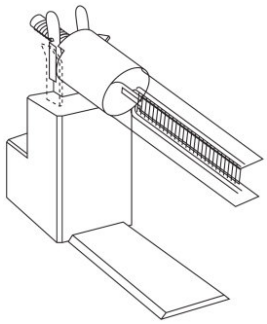
- High efficiency thanks to short-arc technology
- High thermal load capacity thanks to eXtreme Seal (XS) technology - enables high pinch temperatures of up to 450 °C
- Hot restart capability
- Compact modular design - the same dimensions for all wattages within each SharXS family
- Pre-focus base for accurate lamp installation







© 2024, OSRAM GmbH. All rights reserved.



46860_SharXS HTI

© 2024, OSRAM GmbH. All rights reserved.

Technical data

	Electrical data			Photometrical data		
Product description	**Nominal voltage**	**Ignition voltage**	**Nominal current**	**Nominal luminous flux**	**Luminance**	**Color temper-ature**
SHARXS HTI 400 W/D3/75 [1]	50.0 V	3.0 / 25 kVp [5]	8.5 A	26000 lm	55000 cd/cm²	7500 K
SHARXS HTI 700 W/D4/60 [2]	70.0 V	3.0 / 25 kVp [5]	11.00 A	59000 lm	60000 cd/cm²	6000 K
SHARXS HTI 700 W/D4/75 [3]	70.0 V	3.0 / 25 kVp [5]	10 A	59000 lm	60000 cd/cm²	7500 K
SHARXS HTI 1200 W/D7/60 [3]	96.6 V	5.0 / 35 kVp	12.4 A	110000 lm	41000 cd/cm²	6900 K
SHARXS HTI 1200 W/D7/75 [2]	95.3 V	5.0 / 35 kVp	12.6 A	91000 lm	41000 cd/cm²	8800 K
SHARXS HTI 1500 W/D7/60 [4]	110 V	5.0 / 35 kVp	13.6 A	145000 lm	42000 cd/cm²	6000 K

			Dimensions & weight			Temperatures & operating conditions	Lifespan
Product description	**Color render-ing index Ra**	**Luminous efficacy**	**Diameter**	**Length**	**Light center length (LCL)**	**Max. permit-ted pinch temp.**	**Lifespan**
SHARXS HTI 400 W/D3/75 [1]	80		18.0 mm	136.0 mm	57.5 mm	450 °C	750 h
SHARXS HTI 700 W/D4/60 [2]	>80	85 lm/W	18.0 mm	136.0 mm	57.5 mm	450 °C	750 h
SHARXS HTI 700 W/D4/75 [3]	>80		21.0 mm	136.0 mm	57.5 mm	450 °C	750 h
SHARXS HTI 1200 W/D7/60 [3]	85		21.0 mm	136.0 mm	57.5 mm	450 °C	750 h
SHARXS HTI 1200 W/D7/75 [2]	80	90 lm/W	21.0 mm	136.0 mm	57.5 mm	450 °C	750 h
SHARXS HTI 1500 W/D7/60 [4]	>80		24.5 mm	136.0 mm	57.5 mm	450 °C	750 h

	Additional product data	Capabilities	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Product description	**Base (standard designation)**	**Burning position**	**Date of Declaration**	**Primary Article Identifier**
SHARXS HTI 400 W/D3/75 [1]	SFc10-4	Any	05-03-2024	4008321911353 | 4008321285157
SHARXS HTI 700 W/D4/60 [2]	SFc10-4	Any	05-03-2024	4008321285218
SHARXS HTI 700 W/D4/75 [3]	SFc10-4	Any	05-03-2024	4008321285232
SHARXS HTI 1200 W/D7/60 [3]	SFc10-4	Any	05-03-2024	4050300854663 | 4008321285256
SHARXS HTI 1200 W/D7/75 [2]	SFc10-4	Any	05-03-2024	4008321285270
SHARXS HTI 1500 W/D7/60 [4]	SFc10-4	Any	05-03-2024	4008321285294 | 4008321349569

© 2024, OSRAM GmbH. All rights reserved.

Product description	Candidate List Substance 1	Declaration No. in SCIP database
SHARXS HTI 400 W/D3/75 [1)]	No declarable substances contained	In work
SHARXS HTI 700 W/D4/60 [2)]	No declarable substances contained	No declarable substances contained
SHARXS HTI 700 W/D4/75 [3)]	No declarable substances contained	No declarable substances contained
SHARXS HTI 1200 W/D7/60 [3)]	No declarable substances contained	In work
SHARXS HTI 1200 W/D7/75 [2)]	No declarable substances contained	No declarable substances contained
SHARXS HTI 1500 W/D7/60 [4)]	No declarable substances contained	In work

[1)] Also available as an OEM package with 30 units without knurled nuts

[2)] XS = eXtreme Seal (maximum permissible foil temperature 450 °C)

[3)] Also available as an OEM package with 30 units without knurled nuts/XS = eXtreme Seal (maximum permissible foil temperature 450 °C)

[4)] May be operated from 1,200…1,500 W

[5)] Cold

© 2024, OSRAM GmbH. All rights reserved.

Safety advice

Because of their high luminance, UV radiation and high internal pressure during operation, SharXS lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Appropriate filters must ensure that UV radiation is reduced to an acceptable level. Mercury is released if the lamp breaks. Special safety precautions must be taken. Information on safety and handling is available on request or can be found in the leaflet included with the lamp or in the operating instructions.

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

© 2024, OSRAM GmbH. All rights reserved.