

HTI

Metal halide lamps, single-ended



Product family benefits

- High luminance
- High luminous efficacy and efficiency



Product family datasheet

Technical data

Product description	Electrical data		Photometrical data				
	Nominal voltage	Nominal current	Nominal luminous flux	Luminance	Color temperature	Color rendering index Ra	Luminous efficacy
HTI 150 W ¹⁾	95.0 V	16 A	9500 lm	5000 cd/cm ²	6500 K	70	67 lm/W
HTI 152 W	90.0 V	17 A		4200 cd/cm ²	5000 K	> 80	67 lm/W
HTI 705 W/SE XS ²⁾	70.0 V	1000 A	57500 lm	30000 cd/cm ²	5500 K	80	85 lm/W
HTI 1200 W/SE XS ²⁾	95.0 V	1380 A	105000 lm	26000 cd/cm ²	5400 K	> 90	85 lm/W
HTI 2500 W/SE XS ³⁾	105 V	238 A	240000 lm	30000 cd/cm ²	6000 K	90	95 lm/W

Product description	Dimensions & weight			Lifespan	Additional product data	Capabilities
	Diameter	Length	Light center length (LCL)	Lifespan	Base (standard designation)	Burning position
HTI 150 W ¹⁾	20.0 mm	46.0 mm	30.0 mm	750 h	GY9.5	Any
HTI 152 W	20.0 mm	48.0 mm	30.0 mm	2000 h	GY9.5	Any
HTI 705 W/SE XS ²⁾	24.0 mm ⁴⁾	85.0 mm	39.0 mm	500 h	GY9.5	p4 ⁵⁾
HTI 1200 W/SE XS ²⁾	29.0 mm ⁴⁾	135.0 mm	59.0 mm	750 h	GY22 ⁶⁾	Other ⁵⁾
HTI 2500 W/SE XS ³⁾	33.0 mm	180.0 mm	85.0 mm	600 h	G22 ⁷⁾	Other

Product description	Environmental information			
	Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
Product description	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database	Candidate List Substance 1
HTI 150 W ¹⁾	05-03-2024	4050300301402 4050300932194	In work	
HTI 152 W	05-03-2024	4050300461519	In work	
HTI 705 W/SE XS ²⁾	05-03-2024	4050300618074	No declarable substances contained	No declarable substances contained
HTI 1200 W/SE XS ²⁾	05-03-2024	4050300371153	No declarable substances contained	No declarable substances contained
HTI 2500 W/SE XS ³⁾	05-03-2024	4050300371146	3978605c-1e11-462a-9ec2-94ccc12ef473	Lead

Product description	CAS No. of substance 1	Safe Use Instruction
HTI 150 W ¹⁾		
HTI 152 W		
HTI 705 W/SE XS ²⁾		
HTI 1200 W/SE XS ²⁾		

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Product description	CAS No. of substance 1	Safe Use Instruction
HTI 2500 W/SE XS ³⁾	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

¹⁾ Horizontal arc

²⁾ SE = Single ended/XS = eXtreme Seal (maximum permissible foil temperature 450 °C)

³⁾ Special GY22 base. The ignition voltage may be applied only to the thin pin/XS = eXtreme Seal (maximum permissible foil temperature 450 °C)/Important: The contact pins of the base are short-circuited; the electrode farthest from the base is connected via cable

⁴⁾ Bulb including current bar

⁵⁾ Current strap underneath

⁶⁾ Special GY22 base. The ignition voltage may be applied only to the thin pin

⁷⁾ Important: The contact pins of the base are short-circuited; the electrode farthest from the base is connected via cable

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Safety advice

Because of their high luminance, UV radiation and high internal pressure during operation, HTI 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.