

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⁾ | 950 V | 16 A | 9500 lm | 5000 cd/cm ² | 6500 K | 70 | 67 lm/W |
| HTI 152 W | 900 V | 17 A | | 4200 cd/cm ² | 5000 K | > 80 | 67 lm/W |
| HTI 705 W/SE XS ²⁾ | 700 V | 1000 A | 57500 lm | 30000 cd/cm ² | 5500 K | 80 | 85 lm/W |
| HTI 1200 W/SE XS ²⁾ | 950 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⁾ | 2000 mm | 460 mm | 30.0 mm | 750 h | GY9.5 | Any |
| HTI 152 W | 2000 mm | 480 mm | 30.0 mm | 2000 h | GY9.5 | Any |
| HTI 705 W/SE XS ²⁾ | 2400 mm ⁴⁾ | 850 mm | 39.0 mm | 500 h | GY9.5 | p4 ⁵⁾ |
| HTI 1200 W/SE XS ²⁾ | 2900 mm ⁴⁾ | 1350 mm | 59.0 mm | 750 h | GY22 ⁶⁾ | Other ⁵⁾ |
| HTI 2500 W/SE XS ³⁾ | 3300 mm | 1800 mm | 85.0 mm | 600 h | G22 ⁷⁾ | Other |

| Product description | Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | | | |
|--------------------------------|--|-------------------------------|--------------------------------------|------------------------------------|
| | 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⁾ | | |

Product family datasheet

| 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.