

PRODUCT DATASHEET

HQI-T 150 W/WDL UVS

POWERSTAR HQI-T G12 | Metal halide lamps with quartz technology for enclosed luminaires



AREAS OF APPLICATION

- Shopping arcades
- Exhibition halls and trade fairs
- Factories and workshops
- Pedestrian zones, public squares
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- High efficiency
- Good to excellent color rendering
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

PRODUCT FEATURES

- POWERSTAR quartz technology
- Light colors: warm white (WDL), neutral white (NDL)
- Average lifetime: 9,000 h



TECHNICAL DATA

Electrical data

| | |
|-------------------------------|-----------------------------|
| Nominal wattage | 150.00 W |
| Rated wattage | 150.00 W |
| Lamp current | 1.8 A |
| PFC capacitor at 50 Hz | 20 µF ¹⁾ |
| Nominal voltage | 100 V |
| Ignition voltage | 3.6 / 5.0 kVp ²⁾ |

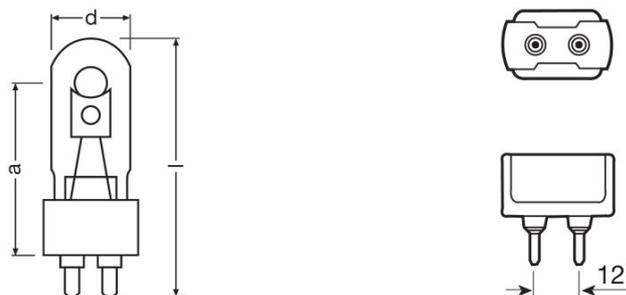
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

²⁾ Minimum / Maximum

Photometrical data

| | |
|---|----------|
| Rated lamp efficacy (standard condition) | 87 lm/W |
| Rated luminous flux | 13000 lm |
| Color rendering index Ra | 77 |
| Color temperature | 3000 K |
| Light color | 730 |
| Rated LLMF at 2,000 h | 0.80 |
| Rated LLMF at 4,000 h | 0.73 |
| Rated LLMF at 6,000 h | 0.69 |
| Rated LLMF at 8,000 h | 0.60 |
| UV protection | Yes |

Dimensions & weight



| | |
|----------------------------------|---------|
| Diameter | 25.0 mm |
| Length | 84.0 mm |
| Light center length (LCL) | 56.0 mm |
| Product weight | 30.00 g |

Temperatures & operating conditions

| | |
|---|--------|
| Maximum permitted outer bulb temperature | 550 °C |
|---|--------|

Lifespan

| | |
|--|--------|
| Rated lamp survival factor at 2,000 h | 0.92 |
| Rated lamp survival factor at 4,000 h | 0.90 |
| Rated lamp survival factor at 6,000 h | 0.80 |
| Rated lamp survival factor at 8,000 h | 0.55 |
| Lifespan B50 | 9000 h |

Additional product data

| | |
|------------------------------------|---------|
| Base (standard designation) | G12 |
| Design / version | Clear |
| Mercury content | 32.0 mg |

Capabilities

| | |
|------------------------------------|-------------------|
| Dimmable | No |
| Burning position | Any ¹⁾ |
| Enclosed luminaire required | Yes |

¹⁾ Burning position: In horizontal burning position of lamp, base pins must be positioned in such a way that they form a horizontal plane

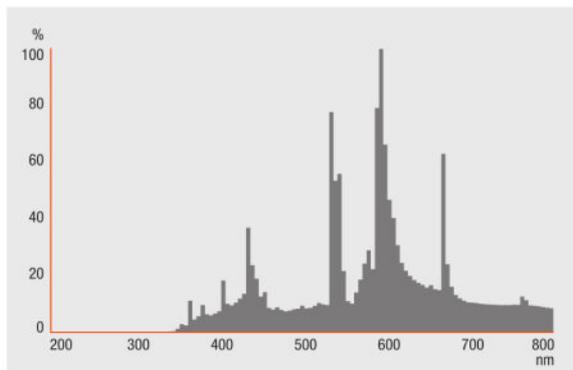
Certificates & standards

| | |
|--------------------------------|---------------|
| Energy efficiency class | A+ |
| Energy consumption | 165 kWh/1000h |

Country specific categorizations

| | |
|--------------|--------------------------------|
| ILCOS | MT/UB-150/730-H/E/SL-G12-25/84 |
|--------------|--------------------------------|

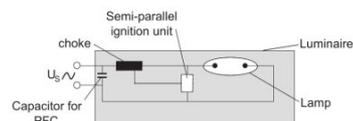
Light Distribution



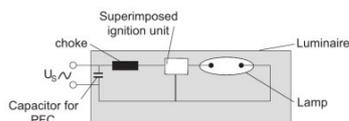
Spectral power distribution

SYSTEM GUARANTEE

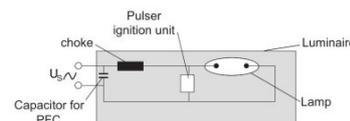
When operated with OSRAM POWERTRONIC control gear, an extended system guarantee is granted for these lamps



Circuit diagram



Circuit diagram



Circuit diagram

LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4008321974389 | HQI-T 150 W/WDL UVS | Shipping carton box 12 | 180 mm x 127 mm x 140 mm | 3.20 dm ³ | 567.00 g |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

REFERENCES / LINKS

For more information on the system guarantee and the terms and conditions of the guarantee visit

▶ www.ledvance.com/system-guarantee

DISCLAIMER

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