

# PRODUCT DATASHEET

## HQI-T 70 W/WDL

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

<b>Rated wattage</b>	75.00 W
<b>Lamp current</b>	0.95 A
<b>PFC capacitor at 50 Hz</b>	12 µF <sup>1)</sup>
<b>Nominal wattage</b>	70.00 W
<b>Nominal voltage</b>	95 V
<b>Ignition voltage</b>	3.6 / 5.0 kVp <sup>2)</sup>

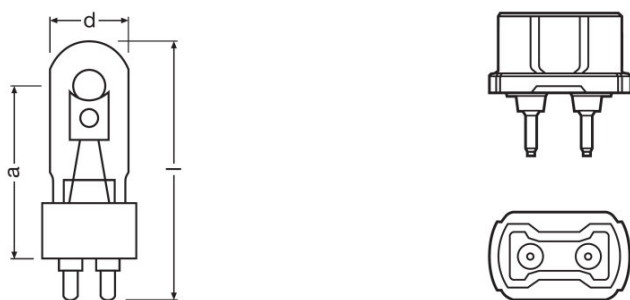
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

<sup>2)</sup> Minimum / Maximum

Photometrical data

<b>Rated lamp efficacy (standard condition)</b>	71 lm/W
<b>Rated luminous flux</b>	5300 lm
<b>Color temperature</b>	3075 K
<b>Light color</b>	731
<b>Rated LLMF at 2,000 h</b>	0.85
<b>Rated LLMF at 4,000 h</b>	0.80
<b>Rated LLMF at 6,000 h</b>	0.75
<b>Rated LLMF at 8,000 h</b>	0.70
<b>UV protection</b>	Yes
<b>Luminous flux</b>	5300 lm
<b>Color rendering index Ra</b>	73

Dimensions & weight



<b>Diameter</b>	25.0 mm
<b>Length</b>	84.0 mm
<b>Light center length (LCL)</b>	56.0 mm
<b>Product weight</b>	30.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	550 °C
Maximum permitted pinch temperature	280 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.87
Rated lamp survival factor at 4,000 h	0.85
Rated lamp survival factor at 6,000 h	0.75
Rated lamp survival factor at 8,000 h	0.60
Lifespan B50	9000 h

Additional product data

Base (standard designation)	G12
Design / version	Clear
Mercury content	13.9 mg

Capabilities

Dimmable	No
Burning position	Any <sup>1)</sup>
Enclosed luminaire required	Yes

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

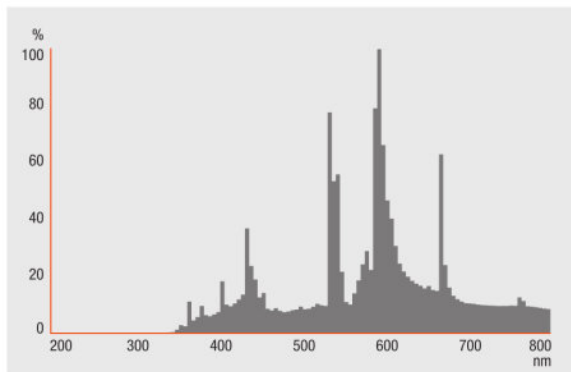
Certificates & standards

Energy efficiency class	A
Energy consumption	83 kWh/1000h

Country-specific categorizations

ILCOS	MT/UB-70/730-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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321974341	Folding carton box 1	111 mm x 42 mm x 42 mm	40.00 g	0.20 dm <sup>3</sup>
4008321974358	Shipping carton box 12	180 mm x 127 mm x 140 mm	567.00 g	3.20 dm <sup>3</sup>

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](http://www.ledvance.com/system-guarantee)

DISCLAIMER

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

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