

# PRODUCT DATASHEET

## HQI-TS 70 W/NDL

**POWERSTAR HQI-TS EXCELLENCE | Metal halide lamps with quartz technology for enclosed luminaires**



---

### AREAS OF APPLICATION

- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Buildings, monuments, bridges
- Museums, exhibitions
- Exhibition halls and trade fairs
- Pedestrian zones, public squares
- Parks and gardens
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

---

### PRODUCT BENEFITS

- High efficiency
- Uniform distribution of light
- Good to excellent color rendering
- Long lifetime
- Hot restrike capable
- 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), daylight (D), cool daylight (CD)
- Average lifetime: 12,000 h



## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	78.00 W
<b>Lamp current</b>	0.95 A
<b>PFC capacitor at 50 Hz</b>	12 $\mu$ F <sup>1)</sup>
<b>Nominal wattage</b>	70.00 W
<b>Nominal voltage</b>	93 V
<b>Ignition voltage</b>	3.6 / 36 kVp <sup>2)</sup>

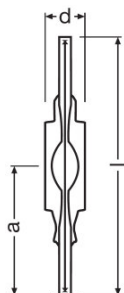
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

### Photometrical data

<b>Rated lamp efficacy (standard condition)</b>	83 lm/W
<b>Rated luminous flux</b>	6500 lm
<b>Color temperature</b>	4200 K
<b>Light color</b>	742
<b>Rated LLMF at 2,000 h</b>	0.92
<b>Rated LLMF at 4,000 h</b>	0.90
<b>Rated LLMF at 6,000 h</b>	0.85
<b>Rated LLMF at 8,000 h</b>	0.78
<b>Rated LLMF at 12,000 h</b>	0.73
<b>UV protection</b>	Yes
<b>Luminous flux</b>	6500 lm
<b>Color rendering index Ra</b>	78

### Dimensions & weight



<b>Diameter</b>	19.0 mm
<b>Length</b>	117.0 mm
<b>Light center length (LCL)</b>	57.0 mm
<b>Product weight</b>	17.00 g

## Temperatures &amp; operating conditions

Maximum permitted outer bulb temperature	500 °C
Maximum permitted pinch temperature	350 °C

## Lifespan

Rated lamp survival factor at 2,000 h	0.95
Rated lamp survival factor at 4,000 h	0.90
Rated lamp survival factor at 6,000 h	0.85
Rated lamp survival factor at 8,000 h	0.80
Rated lamp survival factor at 12,000 h	0.50
Lifespan B50	12000 h

## Additional product data

Base (standard designation)	RX7s
Design / version	Clear
Mercury content	10.6 mg

## Capabilities

Dimmable	No
Burning position	p45
Enclosed luminaire required	Yes
Hot restart	Yes

## Certificates &amp; standards

Energy efficiency class	A
Energy consumption	86 kWh/1000h

## Country-specific categorizations

ILCOS	MD/UB-70/842-H/E/SL-RX7s-19/117/H
-------	-----------------------------------

## 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
4008321678324	Folding carton box 1	121 mm x 31 mm x 35 mm	30.00 g	0.13 dm <sup>3</sup>
4008321678331	Shipping carton box 12	149 mm x 136 mm x 118 mm	410.00 g	2.39 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-TS EXCELLENCE | Metal halide lamps with quartz technology for enclosed luminaires