

# PRODUCT DATASHEET

## HQI-TS 400 W/NDL

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



### AREAS OF APPLICATION

- Foyers, reception areas
- Factory and hall lighting with low-cost installations
- Exhibition halls and trade fairs
- Sports halls and multi-purpose halls
- Pedestrian zones, public squares
- Parks and gardens
- Buildings, monuments, bridges
- 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)



## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	410.00 W
<b>Lamp current</b>	4.1 A
<b>PFC capacitor at 50 Hz</b>	45 $\mu$ F <sup>1)</sup>
<b>Nominal wattage</b>	400.00 W
<b>Nominal voltage</b>	118 V
<b>Ignition voltage</b>	4.0 / 25 kVp <sup>2)</sup>

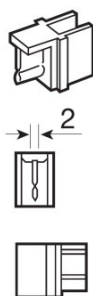
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

### Photometrical data

<b>Rated lamp efficacy (standard condition)</b>	90 lm/W
<b>Rated luminous flux</b>	36000 lm
<b>Color temperature</b>	4200 K
<b>Light color</b>	842
<b>Rated LLMF at 2,000 h</b>	0.70
<b>Rated LLMF at 4,000 h</b>	0.60
<b>Rated LLMF at 6,000 h</b>	0.55
<b>Rated LLMF at 8,000 h</b>	0.52
<b>Rated LLMF at 12,000 h</b>	0.50
<b>UV protection</b>	Yes
<b>Light color (designation)</b>	Neutral White DE LUXE
<b>Luminous flux</b>	36000 lm
<b>Color rendering index Ra</b>	85

### Dimensions & weight



<b>Diameter</b>	33.0 mm
<b>Length</b>	206.0 mm
<b>Light center length (LCL)</b>	103.0 mm

Product weight	88.00 g
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## Temperatures &amp; operating conditions

Maximum permitted outer bulb temperature	750 °C
Maximum permitted pinch temperature	300 °C

## Lifespan

Rated lamp survival factor at 2,000 h	0.80
Rated lamp survival factor at 4,000 h	0.70
Rated lamp survival factor at 6,000 h	0.60
Rated lamp survival factor at 8,000 h	0.55
Rated lamp survival factor at 12,000 h	0.50
Lifespan B50	12000 h

## Additional product data

Base (standard designation)	Fc2
Product remark	Operate only with NAV control gear
Design / version	Clear
Mercury content	30.0 mg

## Capabilities

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

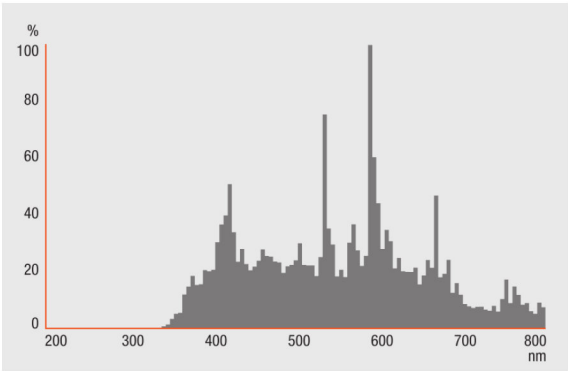
## Certificates &amp; standards

Energy efficiency class	A+
Energy consumption	451 kWh/1000h

## Country-specific categorizations

ILCOS	MD/UB-400/842-H/E/SL-Fc2-25/162/H
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Light Distribution



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321689214	Sleeves 1	260 mm x 51 mm x 65 mm	119.00 g	0.86 dm <sup>3</sup>
4008321689221	Shipping carton box 12	216 mm x 166 mm x 272 mm	1464.00 g	9.75 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.

DISCLAIMER

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