

# PRODUCT DATASHEET

## HQI-T 400 W/N/SI

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



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### AREAS OF APPLICATION

- Factories and workshops
- Sports halls and multi-purpose halls
- Industrial installations
- Docks and port facilities
- Marshaling yards, container transshipment facilities
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

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### PRODUCT BENEFITS

- Output of up to 400 W
- High efficiency
- Long lifetime
- E40 screw base for simple lamp handling
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

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### PRODUCT FEATURES

- POWERSTAR quartz technology
- Light colors: neutral white (N), daylight (D)



**TECHNICAL DATA**

Electrical data

Nominal wattage	400.00 W
Rated wattage	360.00 W
Lamp current	3.4 A
PFC capacitor at 50 Hz	45 µF <sup>1)</sup>
Ignition voltage	0.75 / 1.3 kVp <sup>2)</sup>

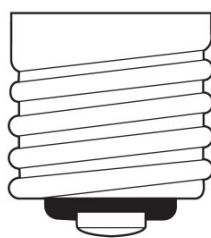
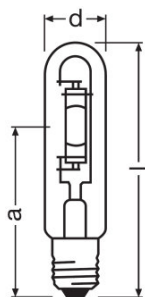
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

Photometrical data

Rated lamp efficacy (standard condition)	82 lm/W
Rated luminous flux	33000 lm
Color rendering index Ra	65
Color temperature	4100 K
Light color	641
Rated LLMF at 2,000 h	0.76
Rated LLMF at 4,000 h	0.67
Rated LLMF at 6,000 h	0.60
Rated LLMF at 8,000 h	0.51
UV protection	Yes

— Dimensions & weight



E40  
IEC 7004-24  
DIN 49625

Diameter	57.0 mm
Length	249.0 mm
Light center length (LCL)	160.0 mm
Product weight	154.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	400 °C
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<b>Maximum permitted base edge temperature</b>	250 °C
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### Lifespan

<b>Rated lamp survival factor at 2,000 h</b>	0.95
<b>Rated lamp survival factor at 4,000 h</b>	0.87
<b>Rated lamp survival factor at 6,000 h</b>	0.82
<b>Rated lamp survival factor at 8,000 h</b>	0.75
<b>Lifespan B50</b>	10000 h

### Additional product data

<b>Base (standard designation)</b>	E40
<b>Product remark</b>	With HQI control gear/Lamp ignites at an ignition voltage of 0.9...1.3 kVs; lamps must not be operated with 4...5 kV igniters
<b>Design / version</b>	Clear
<b>Mercury content</b>	55.2 mg

### Capabilities

<b>Dimmable</b>	No
<b>Burning position</b>	Any
<b>Enclosed luminaire required</b>	Yes

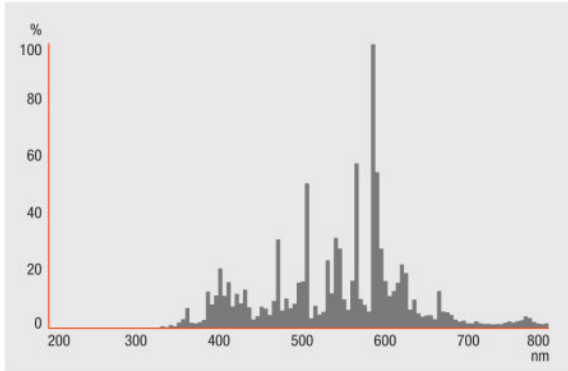
### Certificates & standards

<b>Energy efficiency class</b>	A
<b>Energy consumption</b>	440 kWh/1000h

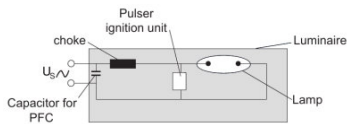
### Country-specific categorizations

<b>ILCOS</b>	MT/UB-400/637-H/S/SL-E40-57.2/248
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Light Distribution



Spectral power distribution



Circuit diagram

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300376431	HQI-T 400 W/N/SI	Shipping carton box 10	361 mm x 170 mm x 305 mm	18.72 dm <sup>3</sup>	2447.33 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.

DISCLAIMER

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