

# Product datasheet

## HQI-T 250 W/D PRO

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



- 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

- 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



## Technical data

### Electrical data

Nominal wattage	250.00 W
Rated wattage	250.00 W
Lamp current	3.0 A
PFC capacitor at 50 Hz	32 $\mu$ F <sup>1)</sup>
Nominal voltage	105 V
Ignition voltage	4.0 kVp;5.0 kVp <sup>2)</sup>
Nominal current	3 A

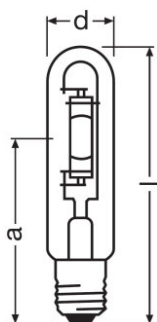
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

### Photometrical data

Rated lamp efficacy (standard condition)	77 lm/W
Rated luminous flux	19100 lm
Color rendering index Ra	87
Color temperature	5500 K
Light color	855
Rated LLMF at 2,000 h	0.95
Rated LLMF at 4,000 h	0.92
Rated LLMF at 6,000 h	0.90
Rated LLMF at 8,000 h	0.87
Rated LLMF at 12,000 h	0.85
UV protection	Yes
Nominal luminous flux	19100 lm
Rated color temperature	5500 K
Luminous flux	19100 lm

## Dimensions & weight



<b>Diameter</b>	46.0 mm
<b>Length</b>	226.0 mm
<b>Light center length (LCL)</b>	150.0 mm
<b>Product weight</b>	150.00 g
<b>Outer bulb</b>	T46
<b>Overall length</b>	226.0 mm

## Temperatures & operating conditions

<b>Maximum permitted outer bulb temperature</b>	500 °C
<b>Maximum permitted base edge temperature</b>	250 °C

## Lifespan

<b>Rated lamp survival factor at 2,000 h</b>	0.98
<b>Rated lamp survival factor at 4,000 h</b>	0.96
<b>Rated lamp survival factor at 6,000 h</b>	0.94
<b>Rated lamp survival factor at 8,000 h</b>	0.92
<b>Rated lamp survival factor at 12,000 h</b>	0.88
<b>Lifespan B50</b>	16000 h

## Additional product data

<b>Base (standard designation)</b>	E40
<b>Design / version</b>	clear
<b>Mercury content</b>	18.0 mg
<b>Appropriate disposal acc. to WEEE</b>	Yes
<b>Mercury-free</b>	No

## Capabilities

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

<sup>1)</sup> Color shifts possible in base-down burning position

### Certificates & standards

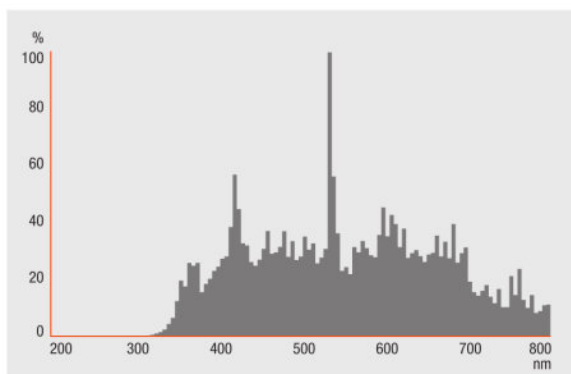
<b>Energy efficiency class</b>	A
<b>Energy consumption</b>	275 kWh/1000h

### Country specific categorizations

<b>ILCOS</b>	MT/UB-250/952-H/E/SL-E40-46/226
<b>Order reference</b>	HQI-T 250W/D PR

### Light Distribution

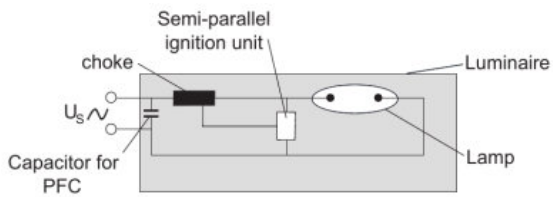
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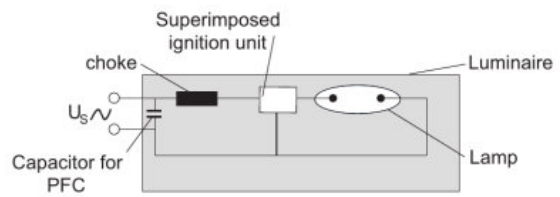
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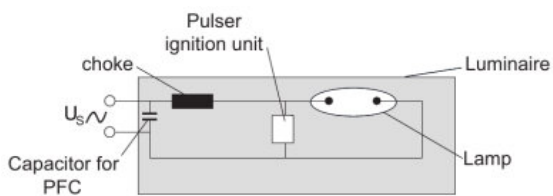
## Product datasheet



OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH SEMI-PARALLEL IGNITION UNIT



OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH A SUPERIMPOSED IGNITION UNIT



OPERATION OF HIGH INTENSITY DISCHARGE LAMPS WITH PULSE IGNITION UNIT

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321677846	HQI-T 250 W/D PRO	Shipping carton box 12 Pieces Sleeves	277 mm x 281 mm x 217 mm	16.89 dm <sup>3</sup>	2304.00 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.

## Disclaimer

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

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## HQI-T 250 W/D PRO

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Product name	Product name ECG	EAN
HQI-T 250 W/D PRO	PTo 250/220-240 3DIM	4008321863669