

## HQI-E 400 W/D PRO

POWERSTAR HQI-E clear/coated | Metal halide lamps with quartz technology for enclosed luminaires



### Areas of application

- Factories and workshops
- Exhibition halls and trade fairs
- Sports halls and multi-purpose halls
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

### Product benefits

- Long life time
- Good to excellent color rendering
- E40 screw base for simple lamp handling
- Available in clear and coated versions
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

### Product features

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



# Product datasheet

## Technical data

### Electrical data

Nominal wattage	400.00 W
Nominal voltage	115 V
Lamp current	4.00000 A
PFC capacitor at 50 Hz	45 $\mu$ F <sup>1)</sup>
Ignition voltage	4.0 / 5.0 kVp <sup>2)</sup>
Rated wattage	420.00 W
Rated lamp efficacy (standard condition)	81 lm/W

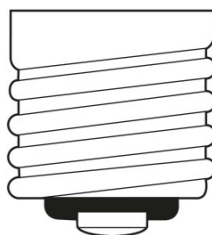
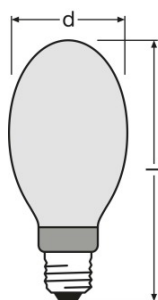
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

### Photometrical data

Luminous flux	34000 lm
Rated luminous flux	34000 lm
Color rendering index Ra	92
Color temperature	5200 K
Light color	960
Rated LLMF at 2,000 h	0.83
Rated LLMF at 4,000 h	0.76
Rated LLMF at 6,000 h	0.70
Rated LLMF at 8,000 h	0.65
Rated LLMF at 12,000 h	0.55
UV protection	Yes

### Dimensions & weight



E40  
IEC 7004-24  
DIN 49625

Diameter	120.0 mm
Length	290.0 mm
Product weight	240.00 g

## Product datasheet

### Temperatures

Maximum permitted outer bulb temperature	400 °C
Maximum permitted base edge temperature	250 °C

### Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.98
Rated lamp survival factor at 6,000 h	0.95
Rated lamp survival factor at 8,000 h	0.90
Rated lamp survival factor at 12,000 h	0.80
Lifespan B50	16000 h

### Additional product data

Base (standard designation)	E40
Design / version	Coated
Footnote only for product	With NAV control gear
Lamp mercury content	64.0 mg

### Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	Yes

### Certificates & standards

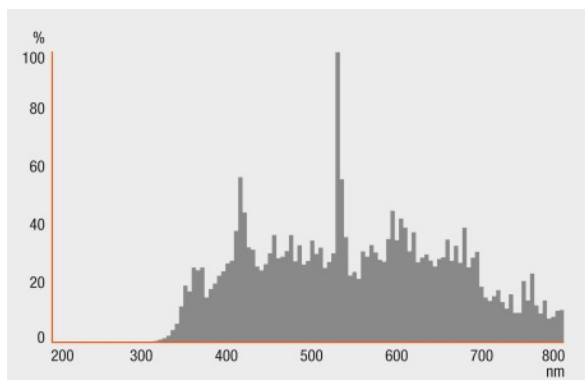
Energy efficiency class	A
Energy consumption	462 kWh/1000h

### Country specific categorizations

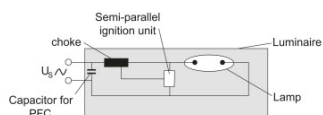
ILCOS	ME/UB-250/952-H/E/SL-E40-120/290
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### Light Distribution

## Product datasheet



### Spectral power distribution



### Circuit diagram

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321677891	HQI-E 400 W/D PRO	Shipping carton box 12	416 mm x 317 mm x 541 mm	71.34 dm <sup>3</sup>	4239.00 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

## Product datasheet

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