

## HQI-E 400 W/D PRO E40

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



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

### Product benefits

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- Output of up to 1,000 W
- 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

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



## Technical data

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### Electrical data

Nominal wattage	400 W
PFC capacitor at 50 Hz	45 $\mu$ F <sup>1)</sup>
Lamp current	4 A
Rated wattage	420 W
Rated lamp efficacy (standard condition)	81 lm/W

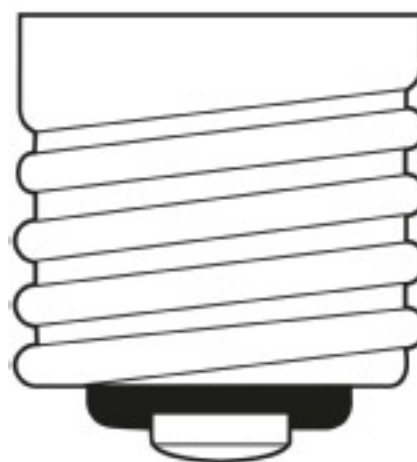
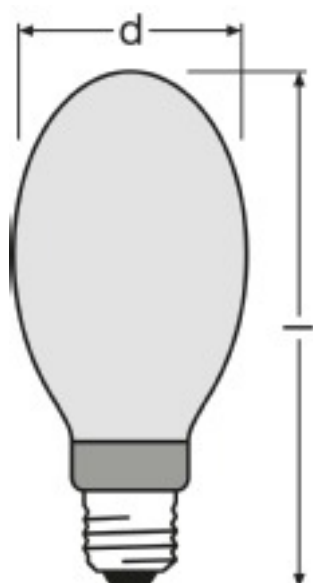
<sup>1)</sup> At rated voltage and  $\cos \phi \geq 0.9$

### Light technical data

Nominal luminous flux	34000 lm
Color temperature	5200 K
Rated luminous flux	34000 lm
Color rendering group	1A
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
Rated LLMF at 16,000 h	0.50
Color rendering index Ra	92

### Dimensions & weight

Diameter	120.0 mm
Length	290.0 mm



E40  
IEC 7004-24  
DIN 40625

Product line drawing with letters

Base

### Colors & materials

Mercury-free	No
Lamp mercury content	64.0 mg

### Temperatures

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

### Lifespan

Lifespan B50	16000 h
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**

Rated lamp survival factor at 16,000 h	0.50
Operation mode LLMF/LSF	50 Hz

**Additional product data**

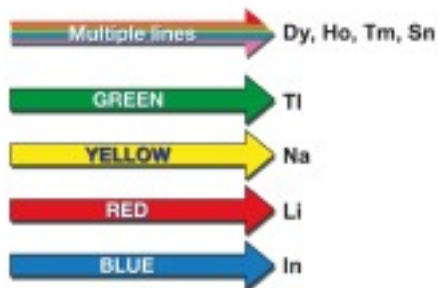
Base (standard designation)	E40
Design / version	Coated
Footnote used only for product	With NAV control gear

**Capabilities**

Dimmable	No
Burning position	Any

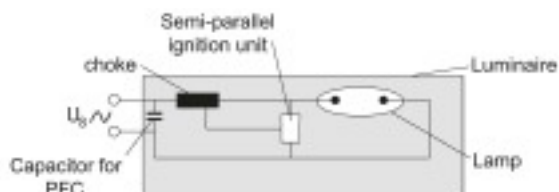
**Country specific categorizations**

ILCOS	ME/UB-400/52=57/1A-H-E40-122/290
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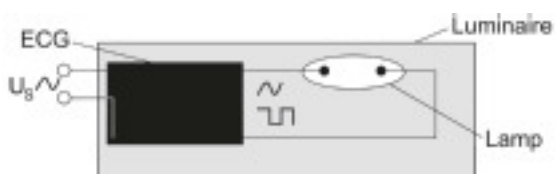
Variation possibilities of the Colour Temperature

		$T_n$	CRI
Daylight	D	> 5300 K	≥90
Neutral White	N	ca. 4000 K	60-69
Neutral White de luxe	NDL	4200 K	≥80
Warm White de luxe	WDL	3000 K	≥80



Others graphics

Circuit diagram



Circuit diagram

**Logistical Data**

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321677884	Round wrap 1	125 mm x 125 mm x 295 mm	274.00 g	4.61 dm <sup>3</sup>
4008321677891	Shipping carton box 12	416 mm x 317 mm x 541 mm	4239.00 g	71.34 dm <sup>3</sup>

## Disclaimer

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