

# Product datasheet

## HQI-BT 400 W/D PRO

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



### 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

### 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

### Product features

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



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## Technical data

### Electrical data

Nominal wattage	400.00 W
Rated wattage	420.00 W
Lamp current	4.0 A
PFC capacitor at 50 Hz	45 $\mu$ F <sup>1)</sup>
Nominal voltage	115 V
Ignition voltage	4.0 kVp;5.0 kVp <sup>2)</sup>

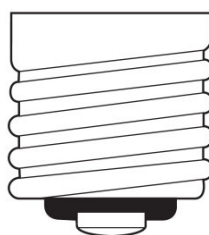
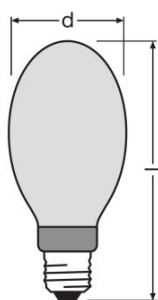
<sup>1)</sup> At rated voltage and  $\cos \varphi \geq 0.9$

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

### Photometrical data

Rated lamp efficacy (standard condition)	81 lm/W
Rated luminous flux	34000 lm
Color rendering index Ra	92
Color temperature	5500 K
Light color	955
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.87
Rated LLMF at 8,000 h	0.85
Rated LLMF at 12,000 h	0.81
UV protection	Yes

### Dimensions & weight



E40  
IEC 7004-24  
DIN 49625

Diameter	62.0 mm
Length	285.0 mm
Light center length (LCL)	175.0 mm

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Product weight	202.00 g
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### Temperatures & operating conditions

Maximum permitted outer bulb temperature	500 °C
Maximum permitted base edge temperature	250 °C

### Lifespan

Rated lamp survival factor at 2,000 h	0.96
Rated lamp survival factor at 4,000 h	0.94
Rated lamp survival factor at 6,000 h	0.93
Rated lamp survival factor at 8,000 h	0.88
Rated lamp survival factor at 12,000 h	0.81
Lifespan B50	16000 h

### Additional product data

Base (standard designation)	E40
Product remark	With NAV control gear
Design / version	Clear
Mercury content	59.0 mg
Appropriate disposal acc. to WEEE	Yes

### 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	MT/UB-400/960-H/E/SL-E40-62/285
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