

PRODUCT DATASHEET

HQI-E/P 250 W/D CO

POWERSTAR HQI-E/P coated | Metal halide lamps for open and enclosed luminaires



AREAS OF APPLICATION

- Shopping arcades
- Conference rooms, auditoriums, libraries
- Factories and workshops
- Exhibition halls and trade fairs
- Rail stations, overground and underground
- Pedestrian zones, public squares
- Suitable for use in open and enclosed luminaires
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- High efficiency
- Simple lamp installation/replacement in open luminaires
- Good to excellent color rendering
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

PRODUCT FEATURES

- POWERSTAR quartz technology
- Light color: daylight (D)
- Average lifetime: 9,000 h (HQI-E/P 250 W/D)
- Average lifetime: 16,000 h (HQI-E/P 400 W/D)



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 µF ¹⁾
Nominal voltage	98 V
Ignition voltage	4.0 / 5.0 kVp ²⁾

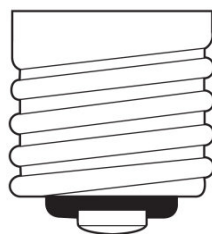
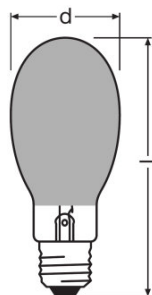
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

²⁾ Minimum / Maximum

Photometrical data

Rated lamp efficacy (standard condition)	68 lm/W
Rated luminous flux	17000 lm
Color rendering index Ra	90
Color temperature	5300 K
Light color	953
Rated LLMF at 2,000 h	0.84
Rated LLMF at 4,000 h	0.76
Rated LLMF at 6,000 h	0.74
Rated LLMF at 8,000 h	0.72
UV protection	Yes

Dimensions & weight



E40
IEC 7004-24
DIN 49625



E40
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Diameter	91.0 mm
Length	226.0 mm
Product weight	160.00 g

Temperatures & operating conditions

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

Rated lamp survival factor at 2,000 h	0.95
Rated lamp survival factor at 4,000 h	0.85
Rated lamp survival factor at 6,000 h	0.80
Rated lamp survival factor at 8,000 h	0.65
Lifespan B50	9000 h

Additional product data

Base (standard designation)	E40
Design / version	Coated
Mercury content	15.0 mg

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	No

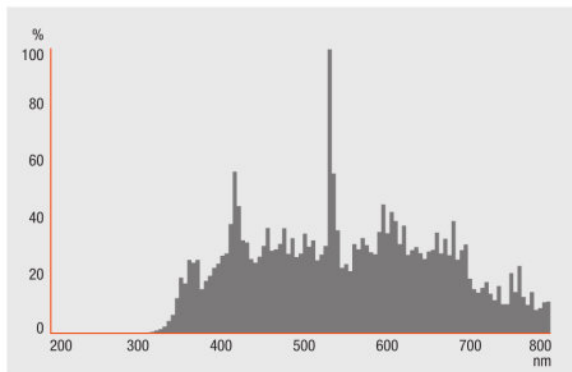
Certificates & standards

Energy efficiency class	A
Energy consumption	275 kWh/1000h

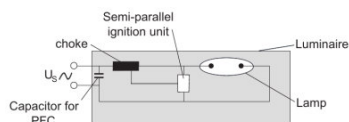
Country-specific categorizations

ILCOS	MES/UB-250/952-H/E/SL-E40-90/226
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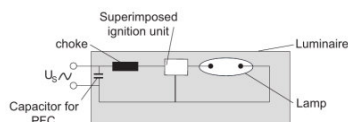
Light Distribution



Spectral power distribution



Circuit diagram



Circuit diagram

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321677921	HQI-E/P 250 W/D CO	Shipping carton box 12	426 mm x 252 mm x 331 mm	35.53 dm ³	3381.00 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.