

HQI-E 400 W/N CO

POWERSTAR HQI-E 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 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 (NDL), daylight (D)



Technical data

Electrical data

Nominal wattage	400.00 W
Rated wattage	444.00 W
Lamp current	3.8 A
PFC capacitor at 50 Hz	45 µF ¹⁾
Nominal voltage	125 V
Ignition voltage	4.0 kVp;5.0 kVp ²⁾

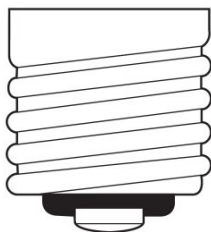
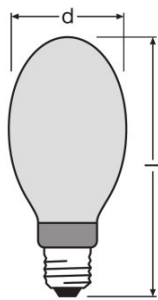
1) At rated voltage and cos φ ≥ 0.9

2) Minimum;Maximum

Photometrical data

Rated lamp efficacy (standard condition)	91 lm/W
Rated luminous flux	40000 lm
Color rendering index Ra	62
Color temperature	3800 K
Light color	642
Rated LLMF at 2,000 h	0.84
Rated LLMF at 4,000 h	0.74
Rated LLMF at 6,000 h	0.69
Rated LLMF at 8,000 h	0.65
UV protection	Yes

Dimensions & weight



Diameter	120.0 mm
Length	290.0 mm
Product weight	248.70 g

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	0.97
Rated lamp survival factor at 4,000 h	0.90
Rated lamp survival factor at 6,000 h	0.60
Lifespan B50	9000 h

Additional product data

Base (standard designation)	E40
Product remark	With NAV© control gear
Design / version	Frosted
Mercury content	52.0 mg

Capabilities

Dimmable	No
Burning position	h45
Enclosed luminaire required	Yes

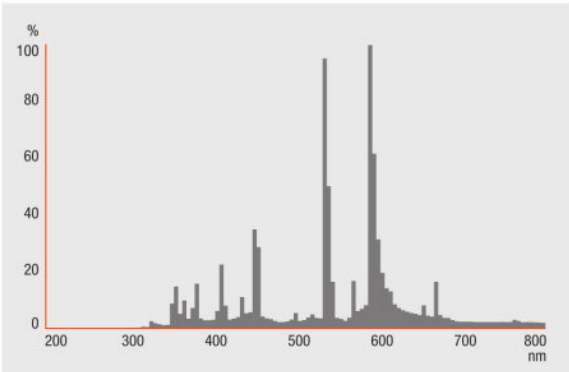
Certificates & standards

Energy efficiency class	A+
Energy consumption	484 kWh/1000h

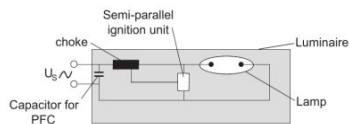
Country specific categorizations

ILCOS	ME/UB-400/637-H/E/SL-E40-120/290
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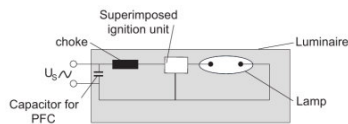
Light Distribution



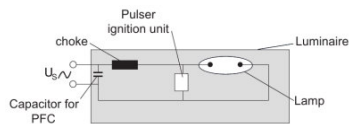
Spectral power distribution



Circuit diagram

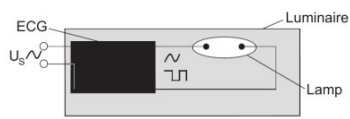


Circuit diagram



Circuit diagram

Product datasheet



Circuit diagram

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321526724	HQI-E 400 W/N CO	Shipping carton box 12 Pieces Round wrap	545 mm x - x -	91.61 dm ³	4760.40 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.