

PRODUCT DATASHEET

HQI-E 1000 W/N

POWERSTAR HQI®-E coated 1000 W | 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

- 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	1000 W
Nominal voltage	125 V
Ignition voltage	4.0/5.0 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	9500 mA
PFC capacitor at 50 Hz	85 µF

1) Minimum / Maximum

Photometrical data

Luminous flux	100000 lm
Luminous efficacy	94 lm/W
Color temperature	3700 K
Color rendering index Ra	62
Light color	637
Rated LLMF at 2,000 h	0.85
Rated LLMF at 4,000 h	0.74
Rated LLMF at 6,000 h	0.67
Rated LLMF at 8,000 h	0.63
Rated lamp efficacy (standard co.)	94 lm/W
UV protection	Yes

Dimensions & Weight

Overall length	380.00 mm
Length	380.00 mm
Diameter	165 mm
Product weight	395.00 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	0.99
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Rated lamp survival factor at 4,000 h	0.98
Rated lamp survival factor at 6,000 h	0.92
Rated lamp survival factor at 8,000 h	0.77
Lifespan B50	9000 h

Additional product data

Base (standard designation)	E40
Mercury content	105.0 mg
Design / version	Coated
Product remark	Not for general lighting

Capabilities

Dimmable	No
Burning position	h45
Enclosed luminaire required	Yes
Hot restart	No

Certificates & Standards

Energy consumption	1171.50 kWh/1000h
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Country-specific categorizations



ILCOS	ME/UB-1000/638-H/E/SL-E40-165/380/V
Order reference	HQI-E 1000W/N C


Safety advice

- Do not stare at the operating light source: The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 4 m is not expected.
- Disconnect mains before installation.
- Must not be used if outer bulb is defective.
- Lamp to be used only in a closed luminaire.

DOWNLOAD DATA

	Documents and certificates	Document name
	User instruction / safety instructions	High Intensity Discharge Lamp UI
	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4082707-EN-00 - HQI 1000W-2000W

Documents and certificates		Document name
	Certificates	EAC RU C-DE.AYA46.B.16087_20 13.10.2020-12.10.2025 Rostest-Moskva - MH single capped
	Certificates	EAC N RU D-DE.MU62.B.00932_20 06.03.2020-05.03.2025 Prommash Test - MH

Photometric and lighting design files		Document name
	Spectral power distribution	384078_HQI_T_N_E40

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321528261	Round wrap 1	750 mm x 400 mm	583.00 g	
4008321528278	Shipping box 6	545 mm x 365 mm x 435 mm	4619.00 g	86.53 dm ³

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.