PRODUCT DATASHEET
HQI-E 400 W/N CO

POWERSTAR HQI®-E coated 250…400 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
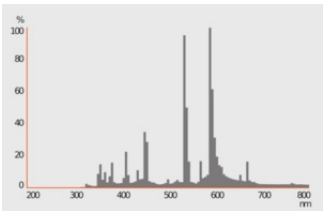– Light colors: neutral white (NDL), daylight (D)

TECHNICAL DATA

Electrical data

Nominal wattage	440 W
Construction wattage	450.00 W
Nominal voltage	127 V
Ignition voltage	4.0/5.0 kVp [1]
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	3800 mA
PFC capacitor at 50 Hz	45 μF

[1] Minimum / Maximum

Photometrical data

Luminous flux	40000 lm
Luminous efficacy	89 lm/W
Color temperature	3800 K
Color rendering index Ra	60
Light color	638
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

384078_HQI_T_N_E40

Dimensions & Weight

Overall length	290.00 mm
Diameter	120,0 mm

Product weight	249.2 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
Mercury content	60.0 mg
Design / version	Coated
Product remark	With NAV® control gear

Capabilities

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

Certificates & Standards

Energy efficiency class	G
Energy consumption	450.00 kWh/1000h

Country-specific categorizations

ILCOS	ME/UB-400/637-H/E/SL-E40-120/290
Order reference	HQI-E 400/N COA

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	MH
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	E40
Connected light source (CLS)	No

Color-tuneable light source	No
Envelope	NON_CLEAR
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	290.00 mm
Height	120,0 mm
Width	120,0 mm
Chromaticity coordinate x	0,380
Chromaticity coordinate y	0,398
Beam angle correspondence	SPHERE_360
EPREL ID	546561
Model number	AC34335

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 that 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
PDF	User instruction / safety instructions	High Intensity Discharge Lamp UI
PDF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4072118-EN-12 - HQI
PDF	Certificates	EAC RU C-DE.AYA46.B.16087_20 13.10.2020-12.10.2025 Rostest-Moskva - MH single capped
PDF	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
4058075039803	Round wrap 1	1,050 mm x 380 mm	343.67 g	
4058075039810	Shipping box 12	545 mm x 410 mm x 410 mm	5815.00 g	91.61 dm³

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.