

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

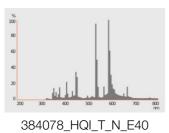
Electrical data

| 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 |



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Dimensions & Weight

| Overall length | 290.00 mm |
|----------------|-----------|
| Diameter | 120,0 mm |

| 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 Burning position h45 Enclosed luminaire required Yes Hot restart No Cortificates & Standards G Energy efficiency class G Energy consumption 450.00 kWh/1000h Country-specific categorizations ILCOS Order reference HQI-E 400/N COA | | | |
|---|---|----------------------------------|--|
| Maximum permitted base edge temperature 500 °C Maximum permitted base edge temperature 250 °C Lifespan | Product weight | 249.2 g | |
| Maximum permitted base edge temperature 250 ℃ Lifespan Reted lamp survival factor at 2,000 h Pated lamp survival factor at 4,000 h Bated lamp survival factor at 6,000 h Lifespan BS0 Additional product data Base (standard designation) Mercury content Base (standard designation) Mercury content Boo,0 mg Coated Product remark With NAV® control gear Capabilities Dimmable No Burning position H45 Hot restart No Certificates & Standards Energy efficiency class Energy consumption Country-specific categorizations LiCOS MEAUB-400/637-H/E/SL-E40-120/290 Order reference Energy labelling regulation data acc EU 2019/2015 Lighting technology used Mais or non-mains Muls Light source cap-type (or other electric interface) E40 0.97 0.99 0.90 | Temperatures & operating conditions | | |
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| Rated lamp survival factor at 6,000 h 9000 h | Rated lamp survival factor at 2,000 h | 0.97 | |
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| Mains or non-mains NMLS Light source cap-type (or other electric interface) E40 | Lighting technology used | МН | |
| Light source cap-type (or other electric interface) | Non-directional or directional | NDLS | |
| | Mains or non-mains | NMLS | |
| Connected light source (CLS) No | 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.