# PRODUCT DATASHEET
# HQI-BT 400 W/N

POWERSTAR HQI®-T | Metal halide lamps with quartz technology for enclosed luminaires

## Areas of application

– Factories and workshops
– Sports halls and multi-purpose halls
– Industrial installations
– Docks and port facilities
– Marshaling yards, container transshipment facilities
– Buildings, monuments, bridges
– 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 (N), daylight (D)

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 400 W |
| Construction wattage | 430.00 W |
| Nominal voltage | 115 V |
| Ignition voltage | 4.0/5.0 kVp [1] |
| Operating mode | Conventional control gear (CCG) and ignitor |
| Nominal current | 4 A |
| PFC capacitor at 50 Hz | 45 µF |

[1] Minimum / Maximum

### Photometrical data

| | |
|---|---|
| Luminous flux | 39000 lm |
| Luminous efficacy | 91 lm/W |
| Color temperature | 3900 K |
| Color rendering index Ra | ≤ 69 |
| Light color | 639 |
| Rated LLMF at 2,000 h | 0.92 |
| Rated LLMF at 4,000 h | 0.90 |
| Rated LLMF at 6,000 h | 0.87 |
| Rated LLMF at 8,000 h | 0.85 |
| Rated LLMF at 12,000 h | 0.81 |
| UV protection | Yes |



384078_HQI_T_N_E40

### Dimensions & Weight

| | |
|---|---|
| Overall length | 290.00 mm |

| Light center length (LCL) | 175,0 mm |
|---|---|
| Diameter | 62.00 mm |
| Product weight | 220.00 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 | 0.96 |
|---|---|
| Rated lamp survival factor at 4,000 h | 0.94 |
| Rated lamp survival factor at 6,000 h | 0.93 |
| Rated lamp survival factor at 8,000 h | 0.88 |
| Rated lamp survival factor at 12,000 h | 0.81 |
| Lifespan B50 | 12000 h |

## Additional product data

| Base (standard designation) | E40 |
|---|---|
| Mercury content | 69.0 mg |
| Design / version | Clear |
| Product remark | With NAV® control gear |

## Capabilities

| Dimmable | No |
|---|---|
| Burning position | P45 |
| Enclosed luminaire required | Yes |
| Hot restart | No |

## Certificates & Standards

| Energy efficiency class | G |
|---|---|
| Energy consumption | 430.00 kWh/1000h |

## Country-specific categorizations

| ILCOS | MT/UB-400/742-H/E/SL-E40-46/273/H |
|---|---|
| Order reference | HQI-BT 400W/N P |

## 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 | SECOND |
| 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 | 62.00 mm |
| Width | 62.00 mm |
| Chromaticity coordinate x | 0,390 |
| Chromaticity coordinate y | 0,395 |
| Beam angle correspondence | SPHERE_360 |
| EPREL ID | 546565 |
| Model number | AC34339 |

## Safety advice

– 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 9C1-4077886-EN-00 - HQI |

| | 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 |
|---|---|---|---|---|
| 4008321792341 | Sleeve<br>1 | 52 mm x 52 mm x 260 mm | 206.00 g | 0.70 dm$^3$ |
| 4008321792358 | Shipping box<br>12 | 216 mm x 166 mm x 272 mm | 2636.00 g | 9.75 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.