

## PRODUCT DATASHEET

### HQI-T 2000 W/N/I

POWERSTAR HQI®-T 1000...2000 W | Metal halide lamps for enclosed luminaires



#### Areas of application

- Factories and workshops
- Sports halls and multi-purpose halls
- Industrial installations
- Airports
- Docks and port facilities
- Marshaling yards, container transshipment facilities
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

#### Product benefits

- High efficiency
- 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        | 2000 W                                          |
| Nominal voltage        | 235 V                                           |
| Ignition voltage       | 0.23 kVp                                        |
| Operating mode         | Conventional control gear (CCG) without ignitor |
| Nominal current        | 8.8 A                                           |
| PFC capacitor at 50 Hz | 37 µF                                           |

### Photometrical data

|                                    |               |
|------------------------------------|---------------|
| Luminous flux                      | 200000 lm     |
| Luminous efficacy                  | 103 lm/W      |
| Light color (designation)          | Neutral White |
| Color temperature                  | 4300 K        |
| Color rendering index Ra           | 60            |
| Light color                        | 643           |
| Rated LLMF at 2,000 h              | 0.91          |
| Rated LLMF at 4,000 h              | 0.84          |
| Rated LLMF at 6,000 h              | 0.80          |
| Rated LLMF at 8,000 h              | 0.76          |
| Rated lamp efficacy (standard co.) | 102 lm/W      |
| UV protection                      | Yes           |

### Dimensions & Weight

|                           |           |
|---------------------------|-----------|
| Overall length            | 430.00 mm |
| Length                    | 430.00 mm |
| Light center length (LCL) | 265,0 mm  |
| Diameter                  | 106.00 mm |
| Product weight            | 530.3 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 |
|---------------------------------------|------|

|                                       |        |
|---------------------------------------|--------|
| Rated lamp survival factor at 4,000 h | 0.95   |
| Rated lamp survival factor at 6,000 h | 0.82   |
| Rated lamp survival factor at 8,000 h | 0.62   |
| Lifespan B50                          | 9000 h |

#### Additional product data

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Base (standard designation) | E40                                                           |
| Mercury content             | 243.0 mg                                                      |
| Design / version            | Clear                                                         |
| Product remark              | Not for general lighting / Operation without external igniter |

#### Capabilities

|                             |     |
|-----------------------------|-----|
| Dimmable                    | No  |
| Burning position            | p30 |
| Enclosed luminaire required | Yes |
| Hot restart                 | No  |

#### Certificates & Standards

|                    |                   |
|--------------------|-------------------|
| Energy consumption | 2150.50 kWh/1000h |
|--------------------|-------------------|

#### Country-specific categorizations

|                 |                                   |
|-----------------|-----------------------------------|
| ILCOS           | MT-2000/42/2B-E/I-E40-100/430/P30 |
| Order reference | HQI-T 2000W/N/I                   |

#### 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              |
|  | 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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4008321665379 | Round wrap<br>1              | 465 mm x 130 mm x 130 mm             | 725.30 g     | 7.86 dm <sup>3</sup>  |
| 4008321665386 | Shipping box<br>4            | 275 mm x 270 mm x 525 mm             | 3525.20 g    | 38.98 dm <sup>3</sup> |

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.