**Product datasheet**

**OSRAM**

# 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

- Output of up to 2,000 W
- High efficiency
- E40 screw base for simple lamp handling
- Long lifetime
- 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)

# Product datasheet

### Electrical data

| | |
|---|---|
| **Nominal wattage** | 2000.00 W |
| **Rated wattage** | 1950.00 W |
| **Lamp current** | 8.9 A |
| **PFC capacitor at 50 Hz** | 37 µF [1] |
| **Nominal voltage** | 235 V |
| **Ignition voltage** | 0.23 kVp |
| **Rated lamp efficacy (standard condition)** | 102 lm/W |
| **Rated luminous flux** | 200000 lm |

[1] At rated voltage and cos $\varphi \geq 0.9$

### Photometrical data

| | |
|---|---|
| **Color rendering index Ra** | 60 |
| **Color temperature** | 4300 K |
| **Light color** | 642 |
| **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 |
| **UV protection** | Yes |

### Dimensions & weight
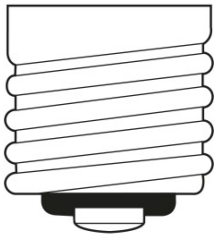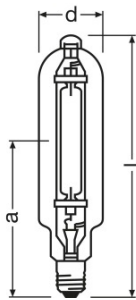


E40
IEC 7004-24
DIN 49625

| | |
|---|---|
| **Diameter** | 100.0 mm |
| **Length** | 430.0 mm |
| **Light center length (LCL)** | 265.0 mm |
| **Product weight** | 530.30 g |

# Product datasheet

## 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 |
| **Product remark** | Operation without external igniter |
| **Design / version** | Clear |
| **Lamp mercury content** | 243.0 mg |

## Capabilities

| | |
|---|---|
| **Burning position** | p30 |
| **Enclosed luminaire required** | Yes |

## Certificates & standards

| | |
|---|---|
| **Energy efficiency class** | A+ |
| **Energy consumption** | 2151 kWh/1000h |

## Country specific categorizations

| | |
|---|---|
| **ILCOS** | MT/UB-2000/642-E/I/SL-E40-100/430/H |

# Product datasheet

**Light Distribution**

---



---
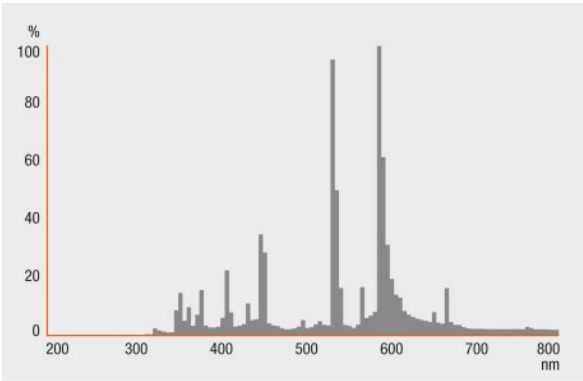
Spectral power distribution

---

## Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4008321665379 | HQI-T 2000 W/N/I | Shipping carton box 4 | 525 mm x 270 mm x 275 mm | 38.98 dm³ | 3525.20 g |

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.