

PRODUCT DATASHEET

HQI-TS 400 W/NDL

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



AREAS OF APPLICATION

- Foyers, reception areas
- Factory and hall lighting with low-cost installations
- Exhibition halls and trade fairs
- Sports halls and multi-purpose halls
- Pedestrian zones, public squares
- Parks and gardens
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

PRODUCT BENEFITS

- High efficiency
- Uniform distribution of light
- Good to excellent color rendering
- Long lifetime
- Hot restrike capable
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

PRODUCT FEATURES

- POWERSTAR quartz technology
- Light colors: warm white (WDL), neutral white (NDL), daylight (D)



TECHNICAL DATA

Electrical data

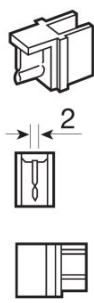
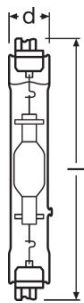
| | |
|------------------------|----------------------------|
| Rated wattage | 410.00 W |
| Lamp current | 4.1 A |
| PFC capacitor at 50 Hz | 45 µF ¹⁾ |
| Nominal wattage | 400.00 W |
| Nominal voltage | 118 V |
| Ignition voltage | 4.0 / 25 kVp ²⁾ |

¹⁾ At rated voltage and cos φ ≥ 0.9
²⁾ Minimum / Maximum

Photometrical data

| | |
|--|-----------------------|
| Rated lamp efficacy (standard condition) | 90 lm/W |
| Rated luminous flux | 36000 lm |
| Color temperature | 4200 K |
| Light color | 842 |
| Rated LLMF at 2,000 h | 0.70 |
| Rated LLMF at 4,000 h | 0.60 |
| Rated LLMF at 6,000 h | 0.55 |
| Rated LLMF at 8,000 h | 0.52 |
| Rated LLMF at 12,000 h | 0.50 |
| UV protection | Yes |
| Light color (designation) | Neutral White DE LUXE |
| Luminous flux | 36000 lm |
| Color rendering index Ra | 85 |

Dimensions & weight



| | |
|---------------------------|----------|
| Diameter | 33.0 mm |
| Length | 206.0 mm |
| Light center length (LCL) | 103.0 mm |

| | |
|----------------|---------|
| Product weight | 88.00 g |
|----------------|---------|

Temperatures & operating conditions

| | |
|--|--------|
| Maximum permitted outer bulb temperature | 750 °C |
| Maximum permitted pinch temperature | 300 °C |

Lifespan

| | |
|--|---------|
| Rated lamp survival factor at 2,000 h | 0.80 |
| Rated lamp survival factor at 4,000 h | 0.70 |
| Rated lamp survival factor at 6,000 h | 0.60 |
| Rated lamp survival factor at 8,000 h | 0.55 |
| Rated lamp survival factor at 12,000 h | 0.50 |
| Lifespan B50 | 12000 h |

Additional product data

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|-----------------------------|------------------------------------|
| Base (standard designation) | Fc2 |
| Product remark | Operate only with NAV control gear |
| Design / version | Clear |
| Mercury content | 30.0 mg |

Capabilities

| | |
|-----------------------------|-----|
| Dimmable | No |
| Burning position | p45 |
| Enclosed luminaire required | Yes |
| Hot restart | Yes |

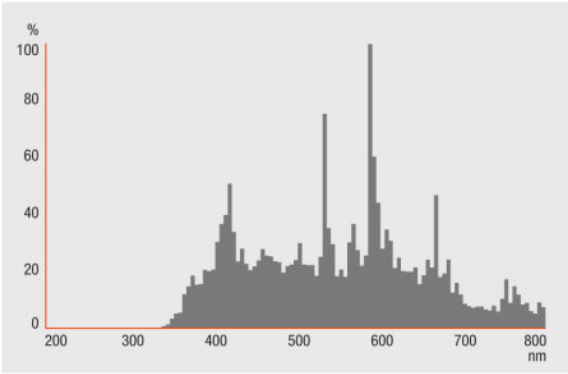
Certificates & standards

| | |
|-------------------------|---------------|
| Energy efficiency class | A+ |
| Energy consumption | 451 kWh/1000h |

Country-specific categorizations

| | |
|-------|-----------------------------------|
| ILCOS | MD/UB-400/842-H/E/SL-Fc2-25/162/H |
|-------|-----------------------------------|

Light Distribution



Spectral power distribution

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321689214 | Sleeves 1 | 260 mm x 51 mm x 65 mm | 119.00 g | 0.86 dm ³ |
| 4008321689221 | Shipping carton box 12 | 216 mm x 166 mm x 272 mm | 1464.00 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.