

PRODUCT DATASHEET

HQI-TS 2000 W/D/S

POWERSTAR HQI®-TS | Short arc, no outer bulb for enclosed luminaires



Areas of application

- Sports stadiums and floodlight systems
- Sports halls and multi-purpose halls
- Airports
- Solar simulation, material testing
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- Excellent color rendering
- Excellent color stability
- Small loss of luminous flux over the life of the lamp
- Hot restrike capable
- Compact dimensions for small spotlights
- Good positioning thanks to K12s base

Product features

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



TECHNICAL DATA

Electrical data

| | |
|------------------------|---|
| Nominal wattage | 2000 W |
| Nominal voltage | 190 V |
| Ignition voltage | 4.0/36 kVp ¹⁾ |
| Operating mode | Conventional control gear (CCG) and ignitor |
| Nominal current | 11.3 A |
| PFC capacitor at 50 Hz | 60 µF |

1) Minimum / Maximum

Photometrical data

| | |
|------------------------------------|-----------|
| Luminous flux | 210000 lm |
| Luminous efficacy | 108 lm/W |
| Color temperature | 6100 K |
| Color rendering index Ra | 83 |
| Light color | 861 |
| Rated LLMF at 2,000 h | 0.95 |
| Rated LLMF at 4,000 h | 0.90 |
| Rated lamp efficacy (standard co.) | 108 lm/W |
| UV protection | No |

Dimensions & Weight

| | |
|---------------------------|-----------|
| Overall length | 187.00 mm |
| Length | 187.00 mm |
| Light center length (LCL) | 93,0 mm |
| Diameter | 41.00 mm |
| Maximum diameter | 41 mm |
| Product weight | 61.00 g |

Temperatures & operating conditions

| | |
|--|--------|
| Maximum permitted outer bulb temperature | 950 °C |
| Maximum permitted pinch temperature | 390 °C |

Lifespan

| | |
|---------------------------------------|------|
| Rated lamp survival factor at 2,000 h | 0.94 |
|---------------------------------------|------|

| | |
|---------------------------------------|--------|
| Rated lamp survival factor at 4,000 h | 0.61 |
| Lifespan B50 | 4500 h |

Additional product data

| | |
|-----------------------------|--------------------------|
| Base (standard designation) | K12s-36 |
| Mercury content | 180.0 mg |
| Design / version | Clear |
| Product remark | Not for general lighting |

Capabilities

| | |
|-----------------------------|-----|
| Dimmable | No |
| Burning position | p15 |
| Enclosed luminaire required | Yes |
| Hot restart | Yes |






Certificates & Standards

| | |
|--------------------|-------------------|
| Energy consumption | 2145.00 kWh/1000h |
|--------------------|-------------------|

Country-specific categorizations

| | |
|-----------------|-------------------------------------|
| ILCOS | MN-2000/961-E/E/SL-K12s=36-41/187/H |
| Order reference | HQI-TS 2000W/D/ |

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.16106_20 13.10.2020-12.10.2025 Rostest-Moskva - MH double 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 | 384073_HQI_TS_D_S_CABLE |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4050300271682 | Folding box 1 | 75 mm x 75 mm x 240 mm | 139.83 g | 1.35 dm³ |
| 4050300271699 | Shipping box 10 | 395 mm x 165 mm x 265 mm | 1436.00 g | 17.27 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.