

## PRODUCT DATASHEET

### HQI-TS 2000 W/N/L

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



#### Areas of application

- Sports stadiums and floodlight systems
- 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

- Very high efficiency
- Very high luminous flux
- Ideal for compact floodlights
- Good positioning thanks to K12s base

#### Product features

- POWERSTAR® quartz technology



TECHNICAL DATA

Electrical data

|                        |   |
|------------------------|---|
| Nominal wattage        | 2000 W                                      |
| Nominal voltage        | 200 V                                       |
| Ignition voltage       | 4.0/36 kVp <sup>1)</sup>                    |
| Operating mode         | Conventional control gear (CCG) and ignitor |
| Nominal current        | 10400 mA                                    |
| PFC capacitor at 50 Hz | 60 µF                                       |

1) Minimum / Maximum

Photometrical data

|                                    |           |
|------------------------------------|-----------|
| Luminous flux                      | 230000 lm |
| Luminous efficacy                  | 107 lm/W  |
| Color temperature                  | 4100 K    |
| Color rendering index Ra           | 65        |
| Light color                        | 641       |
| Rated LLMF at 2,000 h              | 0.91      |
| Rated LLMF at 4,000 h              | 0.85      |
| Rated LLMF at 6,000 h              | 0.82      |
| Rated LLMF at 8,000 h              | 0.80      |
| Rated lamp efficacy (standard co.) | 107 lm/W  |
| UV protection                      | No        |

Light technical data

|               |       |
|---------------|-------|
| Starting time | 120 s |
|---------------|-------|

Dimensions & Weight

|                           |           |
|---------------------------|-----------|
| Overall length            | 274.00 mm |
| Length                    | 274.00 mm |
| Light center length (LCL) | 137,0 mm  |
| Diameter                  | 40 mm     |
| Product weight            | 88.7 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 | 0.95   |
| Rated lamp survival factor at 4,000 h | 0.83   |
| Rated lamp survival factor at 6,000 h | 0.67   |
| Rated lamp survival factor at 8,000 h | 0.50   |
| Lifespan B50                          | 8000 h |

### Additional product data

|                             |                          |
|-----------------------------|--------------------------|
| Base (standard designation) | K12s-36                  |
| Mercury content             | 220.0 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 | 2365.00 kWh/1000h |
|--------------------|-------------------|


### Country-specific categorizations

|                 |                                     |
|-----------------|-------------------------------------|
| ILCOS           | MN-2000/842-E/E/SL-K12s=36-40/274/H |
| Order reference | HQI-TS 2000W/N/                     |

### 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 |

| Documents and certificates   |              | Document name  |
|--|--------------|--|
|  | 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 | 502827_HQI_TS_N_L |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4008321530660 | Folding box<br>1             | 75 mm x 75 mm x 75 mm                | 178.51 g     | 0.42 dm³  |
| 4008321530677 | Shipping box<br>10           | 391 mm x 336 mm x 164 mm             | 2100.36 g    | 21.55 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.