# 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)




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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 2000 W |
| Nominal voltage | 190 V |
| Ignition voltage | 4.0/36 kVp [1)] |
| 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

| | |
|---|---|
| Lifespan | 4500 h |
| Rated lamp survival factor at 2,000 h | 0.94 |


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| | |
|---|---|
| Rated lamp survival factor at 4,000 | 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

| | DOWNLOAD DATA |
|---|---|
| PDF | User instruction |
| PDF | Certificates |
| PDF | Certificates |
| PDF | Declarations Of Conformity CE |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|


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| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4050300271682 | Folding box<br>1 | 75 mm x 75 mm x 240 mm | 139.83 g | 1.35 $dm^3$ |
| 4050300271699 | Shipping box<br>10 | 395 mm x 165 mm x 265 mm | 1436.00 g | 17.27 $dm^3$ |

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

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