

## PRODUCT DATASHEET

### HQI-TS 70 W/NDL

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



#### Areas of application

- Shop interiors, shop windows
- Shopping arcades
- Foyers, reception areas
- Buildings, monuments, bridges
- Museums, exhibitions
- Exhibition halls and trade fairs
- Pedestrian zones, public squares
- Parks and gardens
- 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
- 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), cool daylight (CD)



TECHNICAL DATA

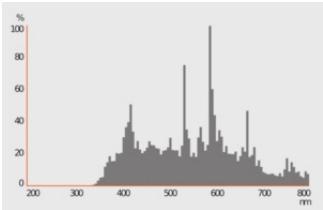
Electrical data

|                        |  |
|------------------------|--|
| Nominal wattage        | 70 W   |
| Construction wattage   | 82.30 W  |
| Nominal voltage        | 93 V   |
| Ignition voltage       | 13.3 kVp <sup>1)</sup>   |
| Operating mode         | Conventional control gear (CCG) and ignitor, Electronic control gear (ECG) |
| Nominal current        | 0.95 A   |
| PFC capacitor at 50 Hz | 12 µF  |

1) Minimum / Maximum

Photometrical data

|                          |         |
|--------------------------|---------|
| Luminous flux            | 6100 lm |
| Luminous efficacy        | 74 lm/W |
| Color temperature        | 4200 K  |
| Color rendering index Ra | ≤ 78    |
| Light color              | 742     |
| Rated LLMF at 2,000 h    | 0.92    |
| Rated LLMF at 4,000 h    | 0.90    |
| Rated LLMF at 6,000 h    | 0.85    |
| Rated LLMF at 8,000 h    | 0.78    |
| Rated LLMF at 12,000 h   | 0.73    |
| UV protection            | Yes     |



384074\_HQI\_TS\_NDL

Dimensions & Weight

|                           |           |
|---------------------------|-----------|
| Overall length            | 117.00 mm |
| Light center length (LCL) | 57,0 mm   |
| Diameter                  | 19,0 mm   |
| Product weight            | 17.00 g   |

### Temperatures & operating conditions

|  |        |
|--|--------|
| Maximum permitted outer bulb temperature | 500 °C |
| Maximum permitted pinch temperature      | 350 °C |

### Lifespan

|  |         |
|--|---------|
| Rated lamp survival factor at 2,000 h  | 0.95    |
| Rated lamp survival factor at 4,000 h  | 0.90    |
| Rated lamp survival factor at 6,000 h  | 0.85    |
| Rated lamp survival factor at 8,000 h  | 0.80    |
| Rated lamp survival factor at 12,000 h | 0.50    |
| Lifespan B50                           | 12000 h |

### Additional product data

|                             |         |
|-----------------------------|---------|
| Base (standard designation) | RX7s    |
| Mercury content             | 10.6 mg |
| Design / version            | Clear   |

### Capabilities

|                             |     |
|-----------------------------|-----|
| Dimmable                    | No  |
| Burning position            | P45 |
| Enclosed luminaire required | Yes |
| Hot restart                 | Yes |

### Certificates & Standards

|                         |                 |
|-------------------------|-----------------|
| Energy efficiency class | G               |
| Energy consumption      | 83.00 kWh/1000h |

### Country-specific categorizations

|                 |                                   |
|-----------------|-----------------------------------|
| ILCOS           | MD/UB-70/842-H/E/SL-RX7s-19/117/H |
| Order reference | HQI-TS 70W/NDL/                   |

### Energy labelling regulation data acc EU 2019/2015




|                          |    |
|--------------------------|----|
| Lighting technology used | MH |
|--------------------------|----|


|   |              |
|---|--------------|
| Non-directional or directional                      | NDLS         |
| Mains or non-mains                                  | NMLS         |
| Light source cap-type (or other electric interface) | RX7s         |
| Connected light source (CLS)                        | No           |
| Color-tuneable light source                         | No           |
| Envelope  | SECOND       |
| High luminance light source                         | No           |
| Anti-glare shield                                   | No           |
| Correlated colour temperature type                  | SINGLE_VALUE |
| Claim of equivalent power                           | No           |
| Length  | 117.00 mm    |
| Height  | 19,0 mm      |
| Width   | 19,0 mm      |
| Chromaticity coordinate x                           | 0,370        |
| Chromaticity coordinate y                           | 0,375        |
| Beam angle correspondence                           | SPHERE_360   |
| EPREL ID  | 546548       |
| Model number  | AC34322      |

### Safety advice

- Do not stare at the operating light source: The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 4 m is not expected.
- Disconnect mains before installation.
- Must not be used if outer bulb is defective.
- Lamp to be used only in a closed luminaire.

### DOWNLOAD DATA

|  | Documents and certificates | Document name  |
|--|----------------------------|--|
|  | Declarations of conformity | EC Declaration of Conformity - 2021 9C1-4072118-EN-12 - HQI                          |
|  | 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 | 384074_HQI_TS_NDL |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321678324 | Folding box<br>1             | 35 mm x 35 mm x 121 mm               | 30.00 g      | 0.15 dm <sup>3</sup> |
| 4008321678331 | Shipping box<br>12           | 149 mm x 116 mm x 135 mm             | 410.00 g     | 2.33 dm <sup>3</sup> |

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.