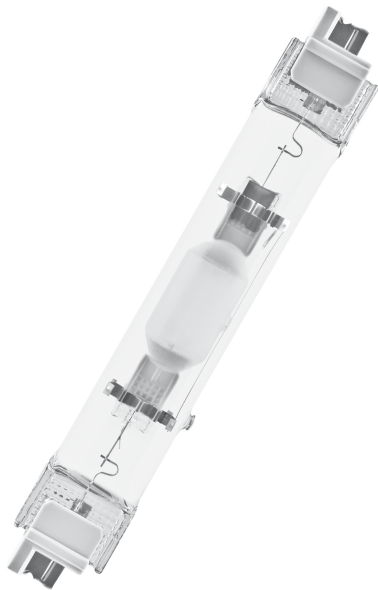


## PRODUCT DATASHEET

### 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
- 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

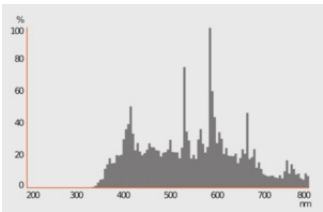
Electrical data

|                        |                                             |
|------------------------|---------------------------------------------|
| Nominal wattage        | 400 W                                       |
| Construction wattage   | 410.00 W                                    |
| Nominal voltage        | 118 V                                       |
| Ignition voltage       | 4.0/25 kVp <sup>1)</sup>                    |
| Operating mode         | Conventional control gear (CCG) and ignitor |
| Nominal current        | 4.1 A                                       |
| PFC capacitor at 50 Hz | 45 µF                                       |

1) Minimum / Maximum

Photometrical data

|                                    |                       |
|------------------------------------|-----------------------|
| Luminous flux                      | 36000 lm              |
| Luminous efficacy                  | 90 lm/W               |
| Light color (designation)          | Neutral White DE LUXE |
| Color temperature                  | 4200 K                |
| Color rendering index Ra           | 85                    |
| 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                  |
| Rated lamp efficacy (standard co.) | 90 lm/W               |
| UV protection                      | Yes                   |



384074\_HQL\_TS\_NDL

## Dimensions &amp; Weight

|                           |           |
|---------------------------|-----------|
| Overall length            | 206.00 mm |
| Light center length (LCL) | 103,0 mm  |
| Diameter                  | 33,0 mm   |
| Maximum diameter          | 33 mm     |
| Product weight            | 88.00 g   |

## Temperatures &amp; 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 |
| Operation mode LLMF/LSF                | 50 Hz   |

## Additional product data

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

## Capabilities

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

## Certificates &amp; Standards

|                         |                  |
|-------------------------|------------------|
| Energy efficiency class | G                |
| Energy consumption      | 451.00 kWh/1000h |

## Country-specific categorizations

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

|                 |                 |
|-----------------|-----------------|
| Order reference | HQI-TS 400W/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) | Fc2          |
| 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                                              | 206.00 mm    |
| Height                                              | 33,0 mm      |
| Width                                               | 33,0 mm      |
| Chromaticity coordinate x                           | 0.372        |
| Chromaticity coordinate y                           | 0.370        |
| Beam angle correspondence                           | SPHERE_360   |
| EPREL ID                                            | 1535172      |
| Model number                                        | AM09905      |

DOWNLOAD DATA

| 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               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321689214 | Sleeve<br>1                  | 260 mm x 51 mm x 65 mm               | 119.00 g     | 0.86 dm <sup>3</sup> |
| 4008321689221 | Shipping box<br>12           | 216 mm x 166 mm x 272 mm             | 1464.00 g    | 9.75 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.