

PRODUCT DATASHEET

HQI-T 70 W/NDL UVS

POWERSTAR HQI®-T G12 | Metal halide lamps with quartz technology for enclosed luminaires



Areas of application

- Shopping arcades
- Exhibition halls and trade fairs
- Factories and workshops
- Pedestrian zones, public squares
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- High efficiency
- 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)



TECHNICAL DATA

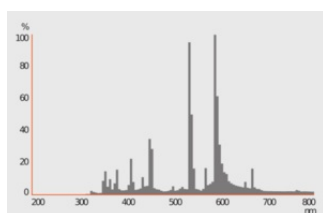
Electrical data

| | |
|------------------------|--|
| Nominal wattage | 70 W |
| Construction wattage | 74.00 W |
| Nominal voltage | 99 V |
| Ignition voltage | 3.6/5.0 kVp ¹⁾ |
| Operating mode | Conventional control gear (CCG) and ignitor, Electronic control gear (ECG) |
| Nominal current | 0.93 A |
| PFC capacitor at 50 Hz | 12 µF |

1) Minimum / Maximum

Photometrical data

| | |
|--------------------------|---------|
| Luminous flux | 5400 lm |
| Luminous efficacy | 73 lm/W |
| Color temperature | 4200 K |
| Color rendering index Ra | 80 |
| Light color | 842 |
| Rated LLMF at 2,000 h | 0.80 |
| Rated LLMF at 4,000 h | 0.74 |
| Rated LLMF at 6,000 h | 0.68 |
| Rated LLMF at 8,000 h | 0.60 |
| UV protection | Yes |



384077_HQI_T_NDL_G12

Dimensions & Weight

| | |
|----------------|----------|
| Overall length | 84.00 mm |
|----------------|----------|

| | |
|---------------------------|---------|
| Light center length (LCL) | 56,0 mm |
| Diameter | 25,0 mm |
| Product weight | 30.00 g |

Temperatures & operating conditions

| | |
|--|--------|
| Maximum permitted outer bulb temperature | 500 °C |
| Maximum permitted base edge temperature | 280 °C |

Lifespan

| | |
|---------------------------------------|--------|
| Rated lamp survival factor at 2,000 h | 0.87 |
| Rated lamp survival factor at 4,000 h | 0.85 |
| Rated lamp survival factor at 6,000 h | 0.80 |
| Rated lamp survival factor at 8,000 h | 0.60 |
| Lifespan B50 | 9000 h |

Additional product data

| | |
|-----------------------------|---------|
| Base (standard designation) | G12 |
| Mercury content | 13.0 mg |
| Design / version | Clear |

Capabilities

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

Certificates & Standards

| | |
|-------------------------|-----------------|
| Energy efficiency class | G |
| Energy consumption | 74.00 kWh/1000h |

Country-specific categorizations

| | |
|-----------------|-------------------------------|
| ILCOS | MT/UB-70/842-H/E/SL-G12-25/84 |
| Order reference | HQI-T 70W/NDL U |

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) | G12 |
| 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 | 84.00 mm |
| Height | 25,0 mm |
| Width | 25,0 mm |
| Chromaticity coordinate x | 0,372 |
| Chromaticity coordinate y | 0,369 |
| Beam angle correspondence | SPHERE_360 |
| EPREL ID | 666226 |
| Model number | AM42356 |

ADDITIONAL PRODUCT INFORMATION

– Burning position: In horizontal burning position of lamp, base pins must be positioned in such a way that they form a horizontal plane.

DOWNLOAD DATA

| Documents and certificates | | Document name |
|---|-------------------------------|--|
|  | User instruction | High Intensity Discharge Lamp UI |
|  | Declarations Of Conformity CE | EC Declaration of Conformity - 2021 9C1-4072118-EN-12 - HQI |
|  | Certificates | EAC RU C-DE.AYA46.B.16087_20 13.10.2020-12.10.2025 Rostest-Moskva - MH single 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 | 384077_HQI_T_NDL_G12 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321974327 | Folding box 1 | 42 mm x 42 mm x 111 mm | 40.00 g | 0.20 dm ³ |
| 4008321974334 | Shipping box 12 | 180 mm x 140 mm x 127 mm | 567.00 g | 3.20 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.