

PRODUCT DATASHEET

HQI-T 400 W/N/SI

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



Areas of application

- Factories and workshops
- Sports halls and multi-purpose halls
- Industrial installations
- Docks and port facilities
- Marshaling yards, container transshipment facilities
- Buildings, monuments, bridges
- Approved only for use in enclosed luminaires
- Outdoor applications only in suitable luminaires

Product benefits

- E40 screw base for simple lamp handling
- UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter

Product features

- POWERSTAR® quartz technology
- Light colors: neutral white (N), daylight (D)



TECHNICAL DATA

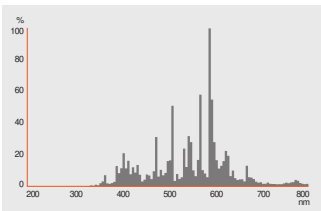
Electrical data

Nominal wattage	360 W
Construction wattage	360.00 W
Ignition voltage	0.75/1.3 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	3.42 A
PFC capacitor at 50 Hz	45 µF

1) Minimum / Maximum

Photometrical data

Luminous flux	31000 lm
Luminous efficacy	82 lm/W
Color temperature	4100 K
Color rendering index Ra	67
Light color	641
Rated LLMF at 2,000 h	0.76
Rated LLMF at 4,000 h	0.67
Rated LLMF at 6,000 h	0.60
Rated LLMF at 8,000 h	0.51
Rated lamp efficacy (standard co.)	82 lm/W
UV protection	Yes



502830_HQI_T_E_N_SI

Dimensions & Weight

Overall length	285.00 mm
Light center length (LCL)	160,0 mm

Diameter	57,0 mm
Maximum diameter	57 mm
Product weight	154.00 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	400 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.95
Rated lamp survival factor at 4,000 h	0.87
Rated lamp survival factor at 6,000 h	0.82
Rated lamp survival factor at 8,000 h	0.75
Lifespan B50	10000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Mercury content	55.2 mg
Mercury-free	No
Design / version	Clear
Product remark	With HQL® control gear

Capabilities

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

Certificates & Standards

Energy efficiency class	A
Energy consumption	440.00 kWh/1000h

Country-specific categorizations

ILCOS	MT/UB-400/637-H/S/SL-E40-57.2/248
Order reference	HQL-T CL 400W/N



Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E40
Length	285.00 mm
Height	57,0 mm
Width	57,0 mm

Safety advice

- 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
	User instruction / safety instructions	High-Intensity-Discharge lamps. Operation instructions
Photometric and lighting design files		Document name
	Spectral power distribution	502830_HQI_T_E_N_SI

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300376431	Folding box 1	251 mm x 61 mm x 61 mm	196.00 g	0.93 dm ³
4050300376448	Shipping box 10	361 mm x 170 mm x 305 mm	2447.33 g	18.72 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.