PRODUCT DATASHEET
HQI-T 400 W/N

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	440 W
Construction wattage	450.00 W
Nominal voltage	126 V
Ignition voltage	4.0/5.0 kVp [1]
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	3900 mA
PFC capacitor at 50 Hz	45 µF

[1] Minimum / Maximum

Photometrical data

Luminous flux	40000 lm
Luminous efficacy	89 lm/W
Color temperature	3700 K
Color rendering index Ra	60
Light color	637
Rated LLMF at 2,000 h	0.85
Rated LLMF at 4,000 h	0.79
Rated LLMF at 6,000 h	0.68
Rated LLMF at 8,000 h	0.65
Rated LLMF at 12,000 h	0.62
UV protection	Yes

384078_HQI_T_N_E40

Dimensions & Weight

Overall length	273.00 mm

Light center length (LCL)	175,0 mm
Diameter	46 mm
Product weight	179.4 g

Temperatures & operating conditions

Maximum permitted outer bulb temperature	500 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Rated lamp survival factor at 2,000 h	0.99
Rated lamp survival factor at 4,000 h	0.98
Rated lamp survival factor at 6,000 h	0.93
Rated lamp survival factor at 8,000 h	0.83
Rated lamp survival factor at 12,000 h	0.50
Lifespan B50	12000 h

Additional product data

Base (standard designation)	E40
Mercury content	60.0 mg
Design / version	Clear
Product remark	With NAV® control gear

Capabilities

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

Certificates & Standards

Energy efficiency class	G
Energy consumption	450.00 kWh/1000h

Country-specific categorizations

ILCOS	MT/UB-400/742-H/E/SL-E40-46/273/H
Order reference	HQI-T 400/N E40

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)	E40
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	273.00 mm
Height	46 mm
Width	46 mm
Chromaticity coordinate x	0,397
Chromaticity coordinate y	0,396
Beam angle correspondence	SPHERE_360
EPREL ID	546564
Model number	AC34338

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
PDF	User instruction / safety instructions	High Intensity Discharge Lamp UI
PDF	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4072118-EN-12 - HQI
PDF	Certificates	EAC RU C-DE.AYA46.B.16087_20 13.10.2020-12.10.2025 Rostest-Moskva - MH single capped
PDF	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	384078_HQI_T_N_E40

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075039766	Sleeve 1	30 mm x 30 mm x 298 mm	199.42 g	0.27 dm³
4058075039773	Shipping box 12	266 mm x 216 mm x 342 mm	2628.00 g	19.65 dm³

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.