

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

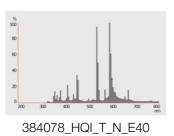
Electrical data

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



Dimensions & Weight

Overall length	273.00 mm
----------------	-----------

Light center length (LCL)	175,0 mm	
Diameter	46 mm	
Product weight	179.4 g	
Femperatures & operating conditions		
laximum 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 dm ³
4058075039773	Shipping box 12	266 mm x 216 mm x 342 mm	2628.00 g	19.65 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.