

PRODUCT DATASHEET

HQI-BT 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	400 W
Construction wattage	430.00 W
Nominal voltage	115 V
Ignition voltage	4.0/5.0 kVp ¹⁾
Operating mode	Conventional control gear (CCG) and ignitor
Nominal current	4 A
PFC capacitor at 50 Hz	45 µF

1) Minimum / Maximum

Photometrical data

Luminous flux	39000 lm
Luminous efficacy	91 lm/W
Color temperature	3900 K
Color rendering index Ra	≤ 69
Light color	639
Rated LLMF at 2,000 h	0.92
Rated LLMF at 4,000 h	0.90
Rated LLMF at 6,000 h	0.87
Rated LLMF at 8,000 h	0.85
Rated LLMF at 12,000 h	0.81
UV protection	Yes



384078_HQI_T_N_E40

Dimensions & Weight

Overall length	290.00 mm
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Light center length (LCL)	175,0 mm
Diameter	62.00 mm
Product weight	220.00 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	0.96
Rated lamp survival factor at 4,000 h	0.94
Rated lamp survival factor at 6,000 h	0.93
Rated lamp survival factor at 8,000 h	0.88
Rated lamp survival factor at 12,000 h	0.81
Lifespan B50	12000 h

Additional product data

Base (standard designation)	E40
Mercury content	69.0 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	430.00 kWh/1000h

Country-specific categorizations

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

Energy labelling regulation data acc EU 2019/2015




Lighting technology used	MH
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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	290.00 mm
Height	62.00 mm
Width	62.00 mm
Chromaticity coordinate x	0,390
Chromaticity coordinate y	0,395
Beam angle correspondence	SPHERE_360
EPREL ID	546565
Model number	AC34339

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 Lamp UI
	Declarations of conformity	EC Declaration of Conformity - 2021 9C1-4077886-EN-00 - HQI
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
4008321792341	Sleeve 1	52 mm x 52 mm x 260 mm	206.00 g	0.70 dm ³
4008321792358	Shipping box 12	216 mm x 166 mm x 272 mm	2636.00 g	9.75 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.