

PRODUCT DATASHEET

HQI-BT 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	400 W
Construction wattage	392.60 W
Nominal voltage	220 V
Nominal current	3250 mA
PFC capacitor at 50 Hz	45 µF

Photometrical data

Luminous flux	33700 lm
Luminous efficacy	82 lm/W
Color temperature	4000 K
Color rendering index Ra	66
Light color	640
Rated LLMF at 2,000 h	0.77
Rated LLMF at 4,000 h	0.70
Rated LLMF at 6,000 h	0.60
Rated LLMF at 8,000 h	0.56
Rated lamp efficacy (standard co.)	100 lm/W

Dimensions & Weight

Overall length	285.00 mm
Light center length (LCL)	160,0 mm
Diameter	67.00 mm
Product weight	200.00 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	0.99
Rated lamp survival factor at 4,000 h	0.98
Rated lamp survival factor at 6,000 h	0.95
Rated lamp survival factor at 8,000 h	0.90
Lifespan B50	9000 h
Operation mode LLMF/LSF	50 Hz

Additional product data

Base (standard designation)	E40
Mercury content	60.7 mg
Mercury-free	No
Design / version	Clear

Capabilities

Dimmable	No
Burning position	Any
Enclosed luminaire required	Yes

Country-specific categorizations

Order reference	HQI-BT 400W/N/S
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E40
Length	285.00 mm
Height	67.00 mm
Width	67.00 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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321278425	1	63 mm x 63 mm x 325 mm	238.00 g	1.29 dm ³
4008321278432	Shipping box 12	314 mm x 246 mm x 359 mm	3451.00 g	27.73 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.