



Products - Lamps: High intensity discharge... Metal halide lamps with... POWERSTAR HQI-T

POWERSTAR HQI-T



- Product benefits**
 - Output of up to 400 W
 - High efficiency
 - Long life time
 - E40 screw base for simple lamp handling
 - UV values significantly below the maximum permitted thresholds to IEC 61167 thanks to UV filter
- 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 [...] [Show all](#)

Product family: important data at a glance

400 W/N

HQI-T 400 W/N

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Energy Label

Technical data	
Electrical data	
Nominal wattage	400 W
Nominal voltage	126 V
Lamp current	3.9 A
PFC capacitor at 50 Hz	45 µF 1-0)
Ignition voltage	4.0 / 5.0 kVp 2-1)
Rated wattage	448.00 W
Rated lamp efficacy (standard condition)	90 lm/W
Energy consumption	493 kWh/1000h
Light technical data	
Rated luminous flux	40000 lm
Nominal luminous flux	40000 lm

Optical data	
Color temperature	3700 K
Color rendering index Ra	62
Color rendering group	2B
Light color	642
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

Diameter	46.0 mm
Length	273.0 mm
Light center length (LCL)	175.0 mm

Colors & materials

Lamp mercury content	52.0 mg
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Temperatures

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	9000 h

Additional product data

Base (standard designation)	E40
Design / version	Clear
Footnote only for product	With NAV control gear

Capabilities

Dimmable	No
Burning position	p45
Enclosed luminaire required	Yes

Certificates & standards

Certificates & standards

Energy efficiency class	A+
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Country specific categorizations

ILCOS	MT/UB-400/742-H/E/SL-E40-46/273/H
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Graphics and application images

Product line drawing	Environment	Base
Others graphics	Others graphics	Others graphics
Circuit diagram	Circuit diagram	

Downloads

Energy efficiency class

File	Type	Size
 Energy label, vertical EL-p-4008321526786	pdf	38.1 KB

General documents

File	Type	Size
Product Family Datasheet family POWERSTAR HQI-T 250W-400W	pdf	460.6 KB
Brochures High Intensity Discharge lamps. Technical information on reducing the wattage	pdf	741.1 KB
Brochures METAL HALIDE LAMPS (GB)	pdf	3.1 MB
Installation/Operation notice POWERSTAR HQI – Technical Guide	pdf	763.2 KB
Operating instructions OPERATION INSTRUCTIONS HIGH PRESSURE	pdf	57.4 KB

OPERATION INSTRUCTIONS HIGH-PRESSURE
DISCHARGE LAMPS (GB)

Packaging information

EAN code	Packaging unit Pieces per unit	Dimensions l x w x h	Gross weight	Volume
4008321526786	Sleeves 1	298 mm x 52 mm x 52 mm	199.36 g	0.81 dm³
4008321526793	Shipping carton box 12	263 mm x 341 mm x 214 mm	3007.00 g	19.19 dm³

1) At rated voltage and $\cos \phi \geq 0.9$

2) Minimum / Maximum