

HQI-T 400 W/D PRO E40

POWERSTAR HQI-T | Metal halide lamps with quartz technology for enclosed luminaires



- Factories and workshops
- Sports halls and multi-purpose halls
- Industrial installations
- Docks and port facilities
- Marshaling yards, container transshipment facilities
- Approved only for use in enclosed luminaires

Product benefits

- Output of up to 400 W
- High efficiency
- Different light colors
- Long life time
- High color saturation (up to 66 %) in blue, green and magenta
- 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
- UV filter technology
- Light colors: neutral white (N), daylight (D)
- Colored lamps



Technical data

Electrical data

Nominal wattage	400 W
PFC capacitor at 50 Hz	45 μ F ¹⁾
Lamp current	4 A
Rated wattage	420 W
Rated lamp efficacy (standard condition)	81 lm/W

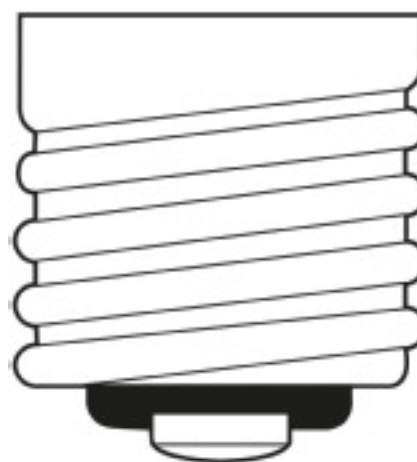
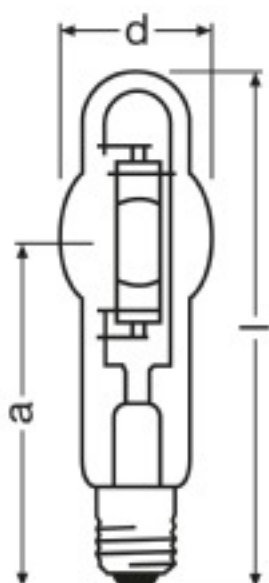
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

Light technical data

Nominal luminous flux	35000 lm
Color temperature	5500 K
Rated luminous flux	34000 lm
Color rendering group	1A
Color rendering index Ra	92
Luminance	650 cd/cm ²
Rated LLMF at 2,000 h	0.83
Rated LLMF at 4,000 h	0.76
Rated LLMF at 6,000 h	0.70
Rated LLMF at 8,000 h	0.65
Rated LLMF at 12,000 h	0.55

Dimensions & weight

Diameter	62.0 mm
Length	285.0 mm
Light center length (LCL)	175.0 mm



E40
IEC 7004-24
DIN 40625

Product line drawing with letters

Base

Colors & materials

Mercury-free	No
Lamp mercury content	59.0 mg

Temperatures

Maximum permitted outer bulb temperature	400 °C
Maximum permitted base edge temperature	250 °C

Lifespan

Lifespan B50	12000 h
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
Rated lamp survival factor at 12,000 h	0.80

Lifespan

Operation mode LLMF/LSF	50 Hz
-------------------------	-------

Additional product data

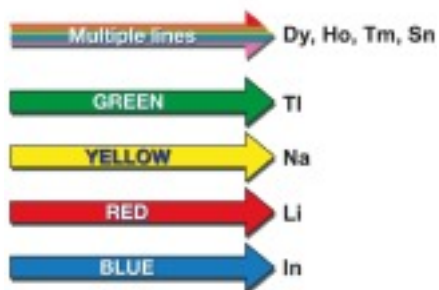
Base (standard designation)	E40
Design / version	Clear
Footnote used only for product	With NAV control gear

Capabilities

Dimmable	No
Burning position	Any

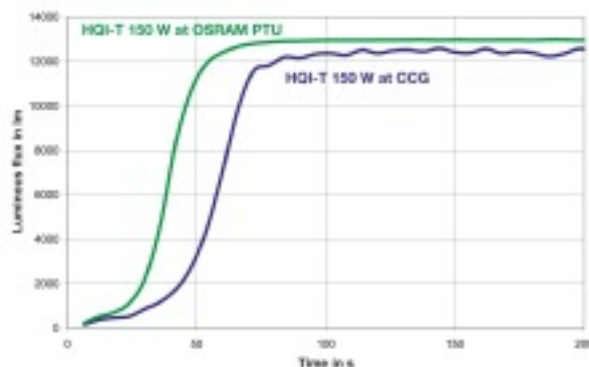
Country specific categorizations

ILCOS	MC/UB-400/52=59/1A-H-E40-62/285
-------	---------------------------------



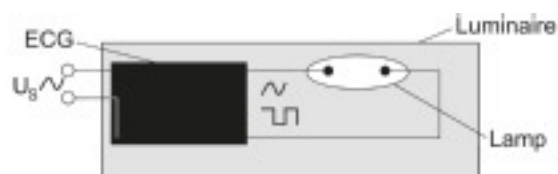
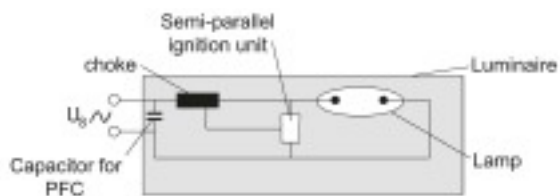
Variation possibilities of the Colour Temperature

		T_n	CRI
Daylight	D	> 5300 K	≥90
Neutral White	N	ca. 4000 K	60-69
Neutral White de luxe	NDL	4200 K	≥80
Warm White de luxe	WDL	3000 K	≥80



Others graphics

Others graphics



Circuit diagram

Circuit diagram

Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
4008321677860	Sleeves 1	65 mm x 65 mm x 325 mm	260.00 g	1.37 dm ³
4008321677877	Shipping carton box 12	258 mm x 347 mm x 342 mm	3534.00 g	30.62 dm ³

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.