

HQI-T 400 W/N 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 voltage | 230 V |
| Nominal wattage | 400 W |
| PFC capacitor at 50 Hz | 45 μ F ¹⁾ |
| Lamp current | 4 A |
| Rated wattage | 437.9 W |
| Rated lamp efficacy (standard condition) | 92 lm/W |

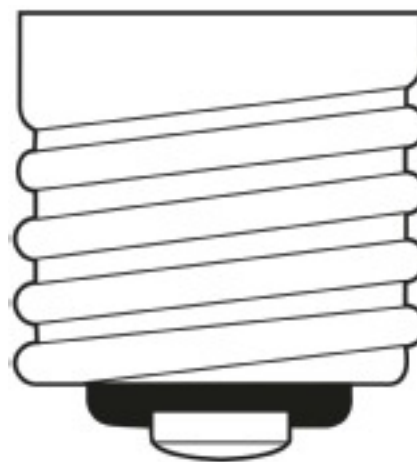
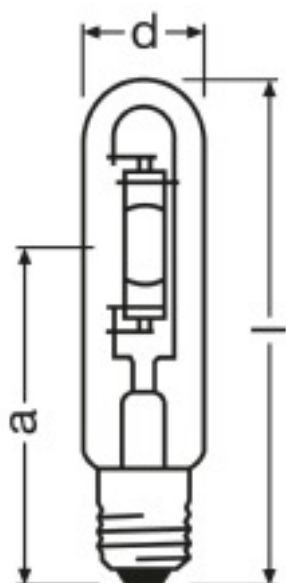
¹⁾ At rated voltage and $\cos \varphi \geq 0.9$

Light technical data

| | |
|--------------------------|----------|
| Nominal luminous flux | 42000 lm |
| Color temperature | 3400 K |
| Rated luminous flux | 40500 lm |
| Color rendering group | 2B |
| Color rendering index Ra | 64 |
| Rated LLMF at 2,000 h | 0.87 |
| Rated LLMF at 4,000 h | 0.79 |
| Rated LLMF at 6,000 h | 0.72 |
| Rated LLMF at 8,000 h | 0.64 |
| Rated LLMF at 12,000 h | 0.58 |

Dimensions & weight

| | |
|---------------------------|----------|
| Diameter | 46.0 mm |
| Length | 273.0 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 | 52.0 mg |

Temperatures

| | |
|--|--------|
| Maximum permitted outer bulb temperature | 500 °C |
| Maximum permitted base edge temperature | 250 °C |

Lifespan

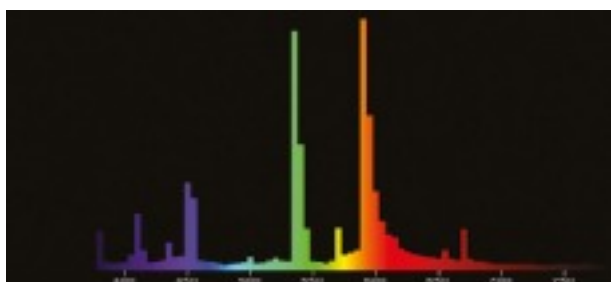
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|--|---------|
| Lifespan B50 | 12000 h |
| Rated lamp survival factor at 2,000 h | 0.99 |
| Rated lamp survival factor at 4,000 h | 0.99 |
| Rated lamp survival factor at 6,000 h | 0.96 |
| Rated lamp survival factor at 8,000 h | 0.90 |
| Rated lamp survival factor at 12,000 h | 0.50 |

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 |



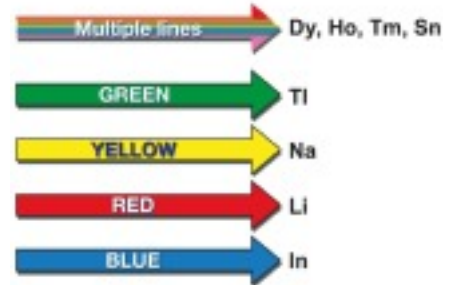
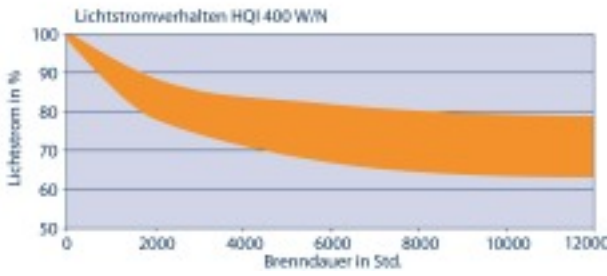
Spectral power distribution

Capabilities

| | |
|------------------|-----|
| Dimmable | No |
| Burning position | p45 |

Country specific categorizations

| | |
|-------|-------------------------------------|
| ILCOS | MT/UB-400/35=40/2B-H-E40-46/273/p45 |
|-------|-------------------------------------|

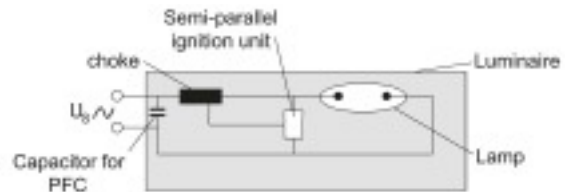
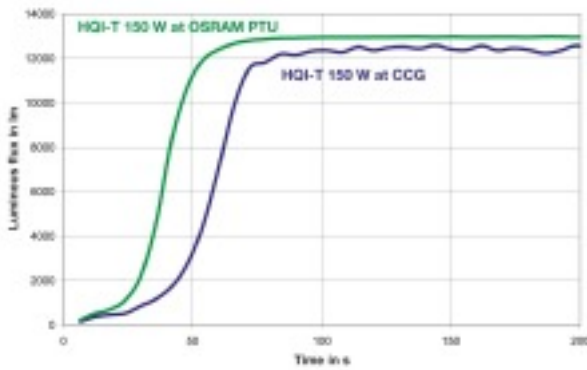


Variation possibilities of the Colour Temperature

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

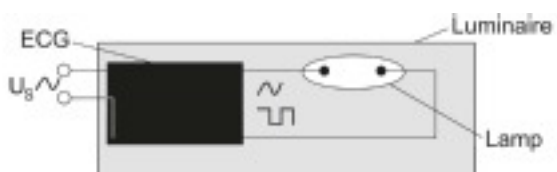
Others graphics

Others graphics



Others graphics

Circuit diagram



Circuit diagram

Logistical Data

| Product code | Packaging unit (Pieces/Unit) | Dimensions (height x width x length) | Gross weight | Volume |
|---------------|---------------------------------|---|--------------|-----------------------|
| 4008321526786 | Sleeves 1 | 52 mm x 52 mm x 298 mm | 199.36 g | 0.81 dm ³ |
| 4008321526793 | Shipping carton box 12 | 214 mm x 341 mm x 263 mm | 3007.00 g | 19.19 dm ³ |

Disclaimer

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