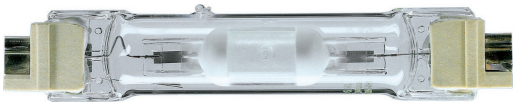


# MHN-TD

## MHN-TD 250W/842 FC2 1CT/12

Double-envelope, single- or double-ended Metal halide lamps

### Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

### Product data

| General information | |
|---|---|
| **Cap base** | FC2 [ FC2] |
| **Burning Position** | P45 [ Parallel +/-45D or Horizontal(HOR)] |
| **Life to 5% failures (min.)** | 4000 h |
| **Life to 5% failures (nom.)** | 5000 h |
| **Life to 20% failures (min.)** | 5800 h |
| **Life to 20% failures (nom.)** | 7000 h |
| **Life to 50% failures (min.)** | 7500 h |
| **Life to 50% failures (nom.)** | 9000 h |
| **ANSI code HID** | - |
| **Footnotes HID 1** | Color characteristics may vary somewhat from one lamp type to another. Time should be allowed for the lamp to stabilize in color when it is turned on for the first time or if for any reason its operating position is changed. This may require several hours' operation, with more than one start. Lamp color and output may change temporarily if the lamp is subjected to excess vibration or shock. Lamp color characteristics may change after long accumulate operating time. |
| **Footnotes HID 2** | Performance may not be satisfactory unless operated within specified operating positions. (374) |

| Light technical | |
|---|---|
| **Colour Code** | 842 [ CCT of 4,200 K] |
| **Lamp Luminous Flux (Min)** | 18000 lm |
| **Lamp Luminous Flux (Nom)** | 20000 lm |
| **Colour Designation** | Cool White (CW) |
| **Lumen maintenance 10,000 hours (min.)** | 50 % |
| **Lumen maintenance 10,000 hours (nom.)** | 60 % |
| **Lumen maintenance 2,000 hours (min.)** | 69 % |
| **Lumen maintenance 2,000 hours (nom.)** | 75 % |
| **Lumen maintenance 5,000 hours (min.)** | 63 % |
| **Lumen maintenance 5,000 hours (nom.)** | 70 % |
| **Chromaticity coordinate X (nom.)** | 370 |

# MHN-TD

| | |
|---|---|
| **Chromaticity coordinate Y (nom.)** | 365 |
| **Colour Temperature, horizontal (Nom)** | 4200 K |
| **Lamp Luminous Efficacy EM (Nom)** | 80 lm/W |
| **Colour Rendering Index,horiz (Nom)** | 85 |

| **Operating and electrical** | |
|---|---|
| **Power (Rated) (Nom)** | 250.0 W |
| **Lamp current run-up (max.)** | 4.5 A |
| **Lamp current (EM) (nom.)** | 3 A |
| **Ignition supply voltage (max.)** | 198 V |
| **Ignition peak voltage (max.)** | 3500 V |
| **Ignition supply voltage (min.)** | 198 V |
| **Voltage (Max)** | 110 V |
| **Voltage (Min)** | 85 V |
| **Voltage (Nom)** | 95 V |

| **Controls and dimming** | |
|---|---|
| **Dimmable** | No |

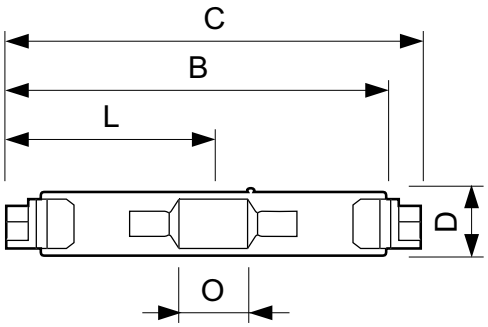
| **Mechanical and housing** | |
|---|---|
| **Lamp Finish** | Clear |
| **Cap-base information** | na [ -] |
| **Bulb shape** | T27 [ T 27mm] |

| **Approval and application** | |
|---|---|
| **Energy Efficiency Class** | G |
| **Mercury (Hg) content (nom.)** | 16 mg |
| **Energy consumption kWh/1,000 hours** | 277 kWh |

| **Luminaire design requirements** | |
|---|---|
| **Bulb temperature (max.)** | 650 °C |
| **Pinch temperature (max.)** | 280 °C |

| **Product data** | |
|---|---|
| **Full product code** | 871150073400615 |
| **Order product name** | MHN-TD 250W/842 FC2 1CT/12 |
| **EAN/UPC – product** | 8711500734006 |
| **Order code** | 928078605121 |
| **SAP numerator – quantity per pack** | 1 |
| **Numerator – packs per outer box** | 12 |
| **SAP material** | 928078605121 |
| **Copy Net Weight (Piece)** | 0.054 kg |
| **ILCOS code** | MD-250/42/1B-H-FC2-/H |

## Dimensional drawing

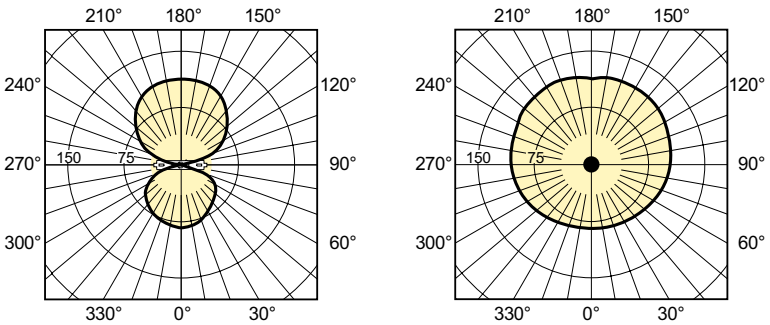



**MHN-TD 250W/842 FC2 1CT/12**

| Product | D (max) | D | O | C (max) |
|---|---|---|---|---|
| MHN-TD 250W/842 FC2 1CT/12 | 27.5 mm | 1.08 in | 27 mm | 161.6 mm |

# MHN-TD

## Photometric data




LDLD_MHN-TD-Light distribution diagram

## Lifetime