

MHN-TD

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

Double-ended quartz Metal-halide lamp

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]		color characteristics may change after long accumulate operating time.
Operating position	P45 [Parallel +/-45D or Horizontal(HOR)]	Footnotes HID 2	Performance may not be satisfactory unless operated within specified operating positions. (374)
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		
Light Technical			
Colour Code	842 [CCT of 4,200 K]		
Luminous flux (rated) (min.)	18000 lm		
Luminous flux (rated) (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 %		

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Chromaticity coordinate X (nom.)	370
Chromaticity coordinate Y (nom.)	365
Correlated Colour Temperature (Nom)	4200 K
Luminous efficacy (rated) (nom.)	80 lm/W
Colour rendering index (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
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Mechanical and Housing

Lamp Finish	Clear
Cap-base information	na [-]

Bulb shape	T27 [T 27mm]
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Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (nom.)	16 mg
Energy consumption kWh/1,000 hours	277 kWh

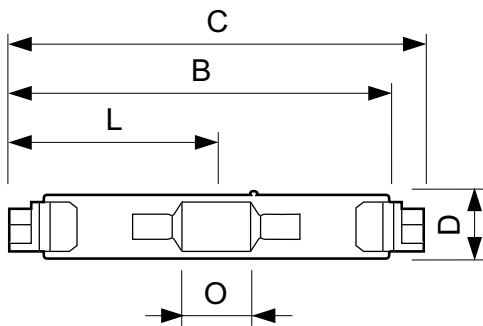
Luminaire Design Requirements

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	73400615
SAP numerator – quantity per pack	1
Numerator – packs per outer box	12
SAP material	928078605121
SAP net weight (piece)	0.054 kg
ILCOS code	MD-250/42/1B-H-FC2-/H

Dimensional drawing

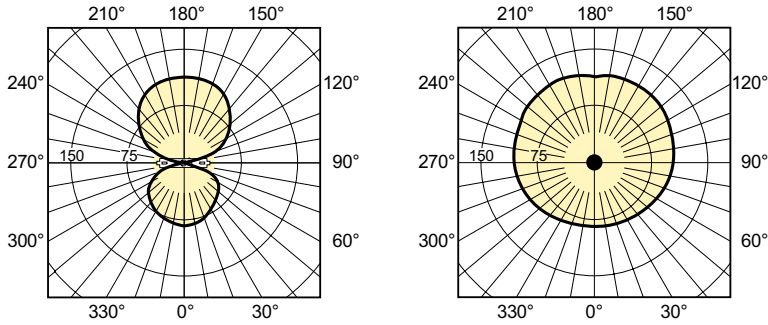


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Product	D (max)	D	O	C (max)
MHN-TD 250W/842 FC2 1CT/12	27.5 mm	1.08 in	27 mm	161.6 mm

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Photometric data



LDLD_MHN-TD-Light distribution diagram

Lifetime

