

MHN-TD

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

Double-ended quartz Metal-halide lamp

Product data

• General Information

Cap-Base	FC2 [FC2]
Operating 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

Color Code	842 [CCT of 4200K]
Luminous Flux (Rated) (Min)	18000 lm
Luminous Flux (Rated) (Nom)	20000 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Min)	50 %
Lumen Maintenance 10000 h (Nom)	60 %
Lumen Maintenance 2000 h (Min)	69 %
Lumen Maintenance 2000 h (Nom)	75 %
Lumen Maintenance 5000 h (Min)	63 %
Lumen Maintenance 5000 h (Nom)	70 %
Chromaticity Coordinate X (Nom)	370
Chromaticity Coordinate Y (Nom)	370
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Nom)	85

• Operating and Electrical

Power (Rated) (Nom)	252.0 W
Lamp Current Run-Up (Max)	4.5 A

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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)	90 V
Voltage (Nom)	100 V

- Controls and Dimming

Dimmable	No

- Mechanical and Housing

Bulb Finish	Clear
Cap-Base Information	-

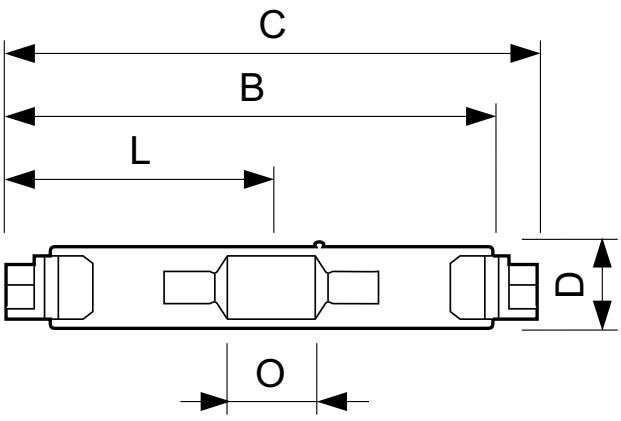
- Approval and Application

Energy Efficiency Label (EEL)	A+

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)

Dimensional drawing



MHN-TD, FC2

Mercury (Hg) Content (Nom)	16 mg
Energy Consumption kWh/1000 h	277 kWh

- Luminaire Design Requirements

Bulb Temperature (Max)	650 °C
Pinch Temperature (Max)	280 °C

- Product Data

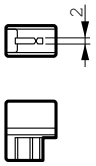
Full product code	871150073400615
Order product name	MHN-TD 250W/842 FC2 1CT/12
EAN/UPC - Product	8711500734006
Order code	928078605121
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928078605121
Net Weight (Piece)	0.054 kg
ILCOS Code	MD-250/42/1B-H-FC2-/H

- 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.

MHN-TD 250W/842 FC2

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

Dimensional drawing



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