

MHN-TD

MHN-TD 250W/842 FC2 1CT

Double-ended quartz Metal-halide lamp

Product data

• General Characteristics

Cap-Base	FC2
Cap-Base Information	na [-]
Bulb	T27 [T 27mm]
Bulb Finish	Clear
Operating Position	p45 [Parallel +/-45D or Horizontal(HOR)]
Life to 5% failures	5000 hr
Life to 20% failures	7000 hr
Life to 50% failures	9000 hr

• Light Technical Characteristics

Color Code	842 [CCT of 4200K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4200 K
Luminous Flux Lamp EM	20000 Lm
Luminous Efficacy Lamp EM	80 Lm/W
Lumen Maintenance 2000h	75 %
Lumen Maintenance 5000h	70 %
Lumen Maintenance 10000h	60 %
Luminance Average EM	1000 cd/cm ²
Chromaticity Coordinate X	370 -
Chromaticity Coordinate Y	370 -

• Electrical Characteristics

Lamp Wattage	250 W
Lamp Wattage EM 25°C, Nominal	250.0 W
Lamp Wattage EM 25°C, Rated	252.0 W
Lamp Voltage	100 V
Lamp Current EM	3 A
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	16 mg
Energy consumption kWh/1000h	277 kWh

• Luminaire Design Requirements

Pinch Temperature	280 (max) C
Bulb Temperature	650 (max) C

• Product Dimensions

Insertion Length B	135.4 (max) mm
Overall Length C	161.6 (max) mm
Diameter D	27.5 (max) mm
Light Center Length L	69.5 mm
Arc Length O	27 mm
Light Center Length L [inch]	2.74 in
Overall Length C [inch]	6.36 (max) in
Diameter D [inch]	1.08 in

PHILIPS

• Footnotes

- Footnotes HID 372 [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 374 [Performance may not be satisfactory unless operated within specified operating positions. (374)]

• Product Data

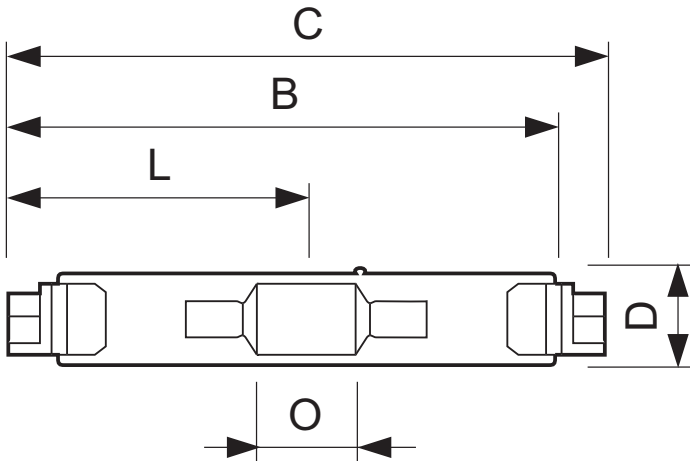
Order code	928078605121
Full product code	928078605121
Full product name	MHN-TD 250W/842 FC2 1CT
Order product name	MHN-TD 250W/842 FC2 1CT/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500734006
Bar code on outerbox - EAN3	8711500183712
Logistic code(s) - 12NC	928078605121
ILCOS code	MD-250/42/1B-H-FC2-/H
Net weight per piece	0.054 kg

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 250W/842 FC2 1CT

Product	C (Max)	D (Max)	O (Norm)
MHN-TD 250W/842 FC2	161.6	27.5	27



FC2



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data subject to change