

**PHILIPS**

**Lighting**



# Product Description

## MHN-TD

Double-ended quartz Metal-halide lamp

### Benefits

- All types are UV-Block for reduced health and fading risks

### Features

- Quartz discharge tube containing high-pressure mercury and a mixture of dysprosium, holmium and thulium halides (4200 K) or tin iodide (3000 K), with sodium and thallium added for color correction and arc stabilization
- Double-ended lamps housed in a tubular clear UV-Block quartz evacuated outer envelope
- Restricted burning position

### Application

- Indoors - accent lighting, general lighting in downlighters, e.g. in shops and malls
- Downlighters, uplighters and wall-washers, e.g. in shops and malls
- Outdoors - floodlighting monuments, facades and billboards

### 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.

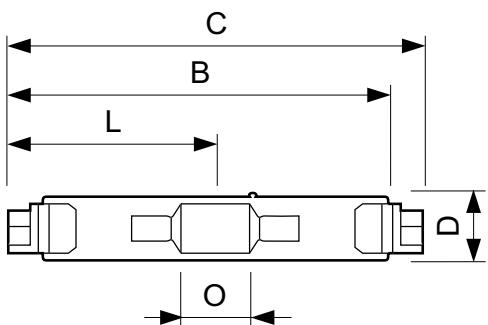
# MHN-TD

## Versions

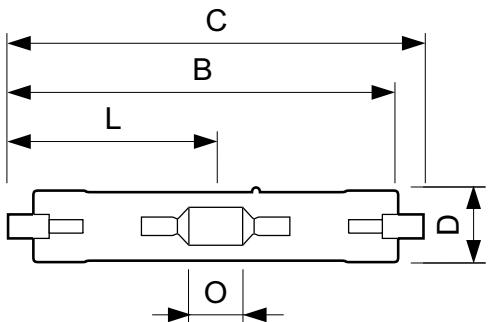


LPPR MHN-TD FC2

## Dimensional drawing



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



Product	D (max)	D	O	C (max)
MHN-TD 150W/730 RX7s 1CT/12	23.0 mm	0.89 inch	17.8 mm	135.4 mm
MHN-TD 150W/842 RX7s 1CT/12	23.0 mm	0.89 inch	17.8 mm	135.4 mm
MHN-TD 70W/730 RX7s 1CT/12	19.5 mm	0.75 inch	7.7 mm	117.6 mm
MHN-TD 70W/842 RX7s 1CT/12	19.5 mm	0.75 inch	7.7 mm	117.6 mm

### General Information

Operating Position	P45
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### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Bulb Finish	Clear
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## General Information

Order Code	Full Product Name	Cap-Base
928070205190	MHN-TD 70W/842 RX7s 1CT/12	RX7s
928076505190	MHN-TD 150W/842 RX7s 1CT/12	RX7s
928482400092	MHN-TD 70W/730 RX7s 1CT/12	RX7s

Order Code	Full Product Name	Cap-Base
928482500092	MHN-TD 150W/730 RX7s 1CT/12	RX7s
928078605121	MHN-TD 250W/842 FC2 1CT/12	FC2

## Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color			Luminous Efficacy (Rated) (Min)	Luminous Efficacy (rated) (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)	Correlated Color	Temperature (Nom)	rendering index (CRI)		
928070205190	MHN-TD 70W/842 RX7s 1CT/12	0.371	0.366	Cool White (CW)	4200 K	75	67 lm/W	75 lm/W
928076505190	MHN-TD 150W/842 RX7s 1CT/12	0.371	0.366	Cool White (CW)	4200 K	81	73 lm/W	81 lm/W
928482400092	MHN-TD 70W/730 RX7s 1CT/12	0.434	0.398	Warm White (WW)	3000 K	65	67 lm/W	75 lm/W
928482500092	MHN-TD 150W/730 RX7s 1CT/12	0.434	0.398	Warm White (WW)	3000 K	67	81 lm/W	90 lm/W
928078605121	MHN-TD 250W/842 FC2 1CT/12	370	365	Cool White (CW)	4200 K	85	-	80 lm/W

## Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux
928070205190	MHN-TD 70W/842 RX7s 1CT/12	5,800 lm
928076505190	MHN-TD 150W/842 RX7s 1CT/12	12,500 lm
928482400092	MHN-TD 70W/730 RX7s 1CT/12	5,800 lm

Order Code	Full Product Name	Luminous Flux
928482500092	MHN-TD 150W/730 RX7s 1CT/12	13,400 lm
928078605121	MHN-TD 250W/842 FC2 1CT/12	-

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928070205190	MHN-TD 70W/842 RX7s 1CT/12	90 V	77.0 W
928076505190	MHN-TD 150W/842 RX7s 1CT/12	98 V	155.0 W
928482400092	MHN-TD 70W/730 RX7s 1CT/12	90 V	77.0 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928482500092	MHN-TD 150W/730 RX7s 1CT/12	96 V	155.0 W
928078605121	MHN-TD 250W/842 FC2 1CT/12	95 V	250.0 W

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928070205190	MHN-TD 70W/842 RX7s 1CT/12	TD
928076505190	MHN-TD 150W/842 RX7s 1CT/12	TD
928482400092	MHN-TD 70W/730 RX7s 1CT/12	TD

Order Code	Full Product Name	Bulb Shape
928482500092	MHN-TD 150W/730 RX7s 1CT/12	TD
928078605121	MHN-TD 250W/842 FC2 1CT/12	T27

## Approval and Application

Order Code	Full Product Name	Energy	Mercury	Mercury (Hg)
		Consumption	(Hg) Content	Content
		kWh/1000 h	(Max)	(Nom)
928070205190	MHN-TD 70W/842 RX7s 1CT/12	77 kWh	11 mg	11 mg
928076505190	MHN-TD 150W/842 RX7s 1CT/12	155 kWh	12.3 mg	12.3 mg

Order Code	Full Product Name	Energy	Mercury	Mercury (Hg)
		Consumption	(Hg) Content	Content
		kWh/1000 h	(Max)	(Nom)
928482400092	MHN-TD 70W/730 RX7s 1CT/12	77 kWh	13.4 mg	13.4 mg
928482500092	MHN-TD 150W/730 RX7s 1CT/12	155 kWh	18 mg	18 mg

Order Code	Full Product Name	Energy	Mercury	Mercury (Hg)
		Consumption kWh/1000 h	(Hg) Content (Max)	Content (Nom)
928078605121	MHN-TD 250W/842 FC2 1CT/12	277 kWh	-	16 mg

