MHN-TD

MHN-TD 70W/842 Rx7s 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	RX7S [RX7s]
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)	6500 h
Life to 20% Failures (Nom)	8000 h
Life to 50% Failures (Min)	8500 h
Life to 50% Failures (Nom)	10500 h
ANSI Code HID	M85/E
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	Supply volts must be +/- 5% of rated ballast line volts for reactor type and +/- 10% for CWA or electronic ballasts.

Light Technical	
Color Code	842 [CCT of 4200K]
Luminous Flux (Rated) (Min)	5220 lm
Luminous Flux (Rated) (Nom)	5800 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Min)	40 %
Lumen Maintenance 10000 h (Nom)	75 %
Lumen Maintenance 2000 h (Min)	79 %
Lumen Maintenance 2000 h (Nom)	85 %
Lumen Maintenance 5000 h (Min)	68 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	370

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Chromaticity Coordinate Y (Nom)	370
Correlated Color Temperature (Nom)	4200 K
Luminous Efficacy (Rated) (Min)	67 lm/W
Luminous Efficacy (rated) (Nom)	75 lm/W
Color Rendering Index (Nom)	80

Operating and Electrical

Power (Nom)	77 W
Lamp Current Run-Up (Max)	1.35 A
Lamp Current (EM) (Nom)	1.0 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Peak Voltage (Min)	1800 V
Voltage (Max)	100 V
Voltage (Min)	80 V
Voltage (Nom)	90 V

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Cap-Base Information	-

Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	11 mg
Energy Consumption kWh/1000 h	85 kWh

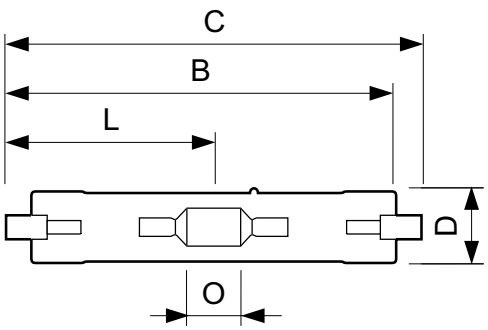
Luminaire Design Requirements

Bulb Temperature (Max)	500 °C
Pinch Temperature (Max)	280 °C

Product Data

Full product code	871150021104000
Order product name	MHN-TD 70W/842 Rx7s 1CT/12
EAN/UPC - Product	8711500211040
Order code	928070205193
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928070205193
Net Weight (Piece)	0.020 kg
ILCOS Code	MD/UB-70/842-H-RX7s-22/117.6

Dimensional drawing



MHN-TD 70W/842 RX7s

Product	D (max)	D	O	C (max)
MHN-TD 70W/842 Rx7s 1CT/12	19.5 mm	0.75 in	7.7 mm	117.6 mm

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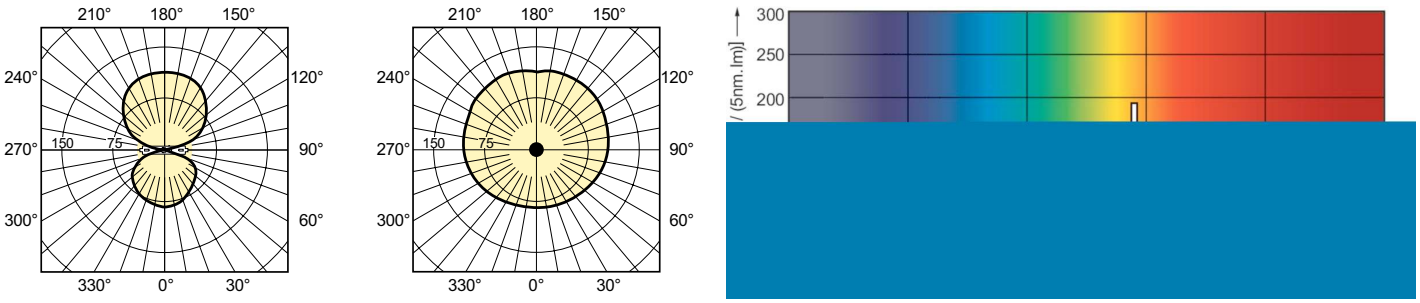
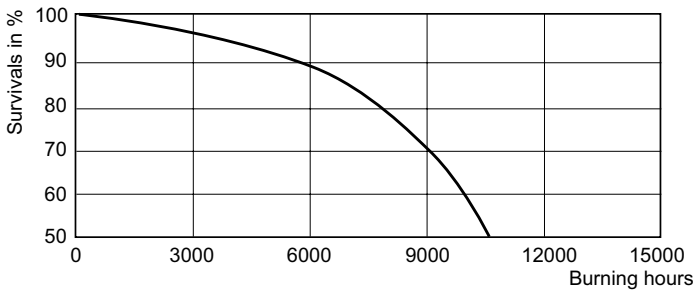
Photometric data

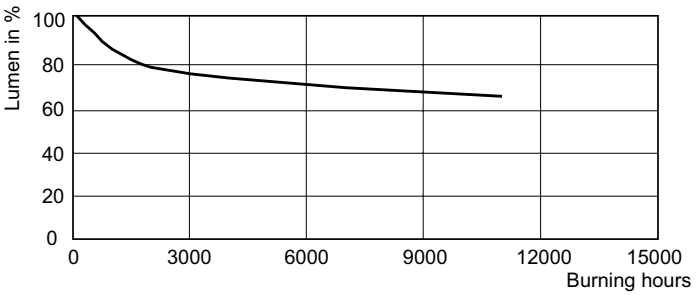


LDLD_MHN-TD-Light distribution diagram

Lifetime



LDLE_MHN-TD_70W_150W_842-Life expectancy diagram



LDLM_MHN-TD_70W_150W_842-Lumen maintenance diagram