

MHN-TD Low wattage

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MHN-TD RX7s

Product Description

- Doubled-ended lamps housed in a tubular clear UV-Block quartz evacuated outer envelop

Product Benefits

- High lamp efficacy results in low operating costs and low heat generation
- Compact size for smaller luminaire
- Different ambience by three color temperature (3000K, 4200K and 5200K)
- Long life time compare to incandescent and halogen lamps
- UV-Block for reduced aging of plastic components in luminaires

Application

- Shops and shop windows, offices and public buildings
- Decorative outdoor lighting, city beautification
- Billboard

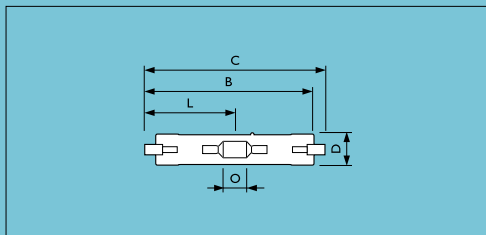
Luminaires

- It must be used in a luminaire with a hard-glass cover to protect against possible discharge tube shattering

Systems

- Must be used in combination with ballasts and ignitor
- Lamp is designed to operate on coventional SON system. For conventional gear, the lamp must only be used on SON 70W (reactor or constant wattage) ballast which comply with the lamp operating limits as defined in 60662-IEC-1020-2.
- The Mains voltage may only deviate by max. +6/-8% from the voltage indicated on the type plate. Operation of lamps beyond nominal line voltage and frequency for extended period of time (>25% of design life) can result in reduce lamp life.
- Warm restart time can be up to 15 minutes. If the lamp does not start (e.g. with T5 ignitors).

Dimensions in mm



Product ID	Overall length	Diameter	Light center length	Arc length	B
	C max.	D max.	L nom.	O nom.	
70W	139	24	64.9	17.8	132
150W	139	24	64.9	17.8	132
250W	161.6	27.5	69.5	27	135.4

Preferred selection

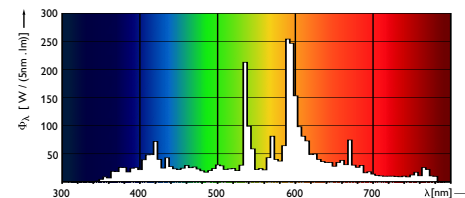
Product ID	Lamp Wattage EL (W)	Lamp Current EL (A)	Lamp Voltage (V)	Cap Base	Color Temperature (K)	Color Rendering Index (Ra)
MHN-TD 70W/730	70	0.98	90	R x 7s	3000	70
MHN-TD 150W/730	150	1.8	96	R x 7s	3000	70
MHN-TD 70W/842	70	0.98	90	R x 7s	4200	80
MHN-TD 150W/842	150	1.8	98	R x 7s	4200	85
MHN-TD 70W/852	70	0.98	98	R x 7s	5200	80
MHN-TD 150W/852	150	1.8	98	R x 7s	5200	85
MHN-TD Pro250W/842	250	3	100	R x 7s	4200	80

Product ID	Chromaticity Coordinate X	Chromaticity Coordinate Y	Bulb Finish	Luminous Flux Lamp (lm)	Luminous Efficacy (lm)	Operating Position
MHN-TD 70W/730	434	400	Clear	6200	80	Horizontal +/- 45°
MHN-TD 150W/730	434	400	Clear	13800	87	Horizontal +/- 45°
MHN-TD 70W/842	370	370	Clear	5700	75	Horizontal +/- 45°
MHN-TD 150W/842	370	370	Clear	12900	81	Horizontal +/- 45°
MHN-TD 70W/852	330	340	Clear	5000	65	Horizontal +/- 45°
MHN-TD 150W/852	330	340	Clear	11000	73	Horizontal +/- 45°
MHN-TD Pro250W/842	370	370	Clear	20000	80	Horizontal +/- 45°

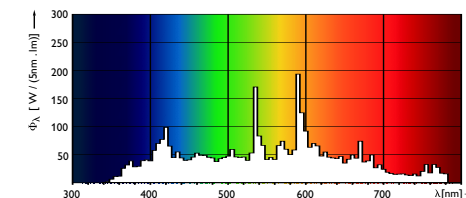
Product ID	Ignition Peak Voltage (V)	Cap-Base Temperature max. (°C)	Permitted Bulb Temperature max. (°C)	Net Weight Product (gr)	Comm Code
MHN-TD 70W/730	5000	280	500	20	MHN-TD70W/730
MHN-TD 150W/730	5000	280	650	30	MHN-TD150W/730
MHN-TD 70W/842	5000	280	500	20	MHN-TD70W/842
MHN-TD 150W/842	5000	280	650	30	MHN-TD150W/842
MHN-TD 70W/852	5000	280	500	20	MHN-TD70W/852
MHN-TD 150W/852	5000	280	650	30	MHN-TD150W/852
MHN-TD Pro250W/842	5000	280	650	54	MHN-TD250W/842

Spectral power distribution

MHN-TD 70/150W/730



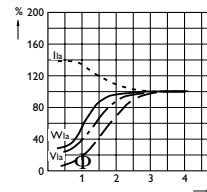
MHN-TD 70/150W/842



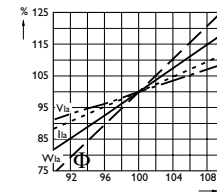
Performance diagrams

MHN-TD

Lamp performance during run up



Effects of mains voltage variations



I_{Lk} = Lamp current
 W_{Lk} = Lamp Wattage
 Φ = Luminous Flux
 V_{Lk} = Lamp Voltage