MH/HPI Metal halide

HPI-T Plus

HPI-T

Product Description

- Quartz metal halide lamps with clear outer bulb

Product Feature

- Clear tubular outer bulb
- Unique 3-band technology resulting in high luminous efficacy, both initially and over long lifetime
- Renders a natural white color appearance and good color stability

Product Benefits

- High safety and comfort level, maintained over life
- Minimal maintenance cost
- Initial investment saving options with "Plus"-concept

Application

- Sports lighting. floodlighting of buildings and monuments, area lighting e.g. harbours and building sites, canopy lighting e.g. petrol stations, horticultural lighting

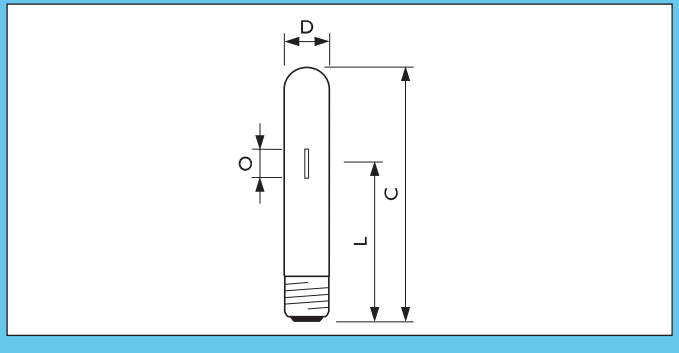
Luminaires

- HPI-T Plus lamps require a protective front glass

System

- Can be run on HPI-gear as well as on SON-gear ("Plus"-concept). The results in both light output and color temperature are different.

Dimensions in mm



	Overall length	Diameter	Light center length	Arc length
Product ID	C max.	D max.	L nom.	O nom.
250W	257	47	155	29
400W	286	47	172	40

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Preferred selection

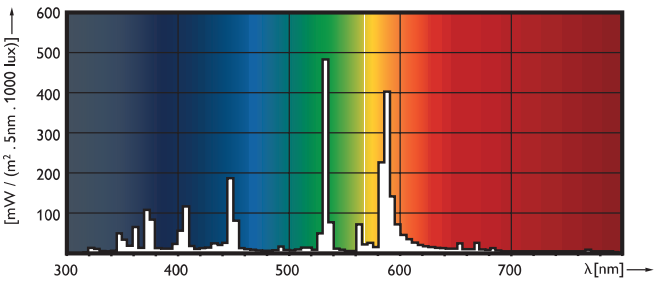
Product ID	Rated Lamp Wattage (W)	Lamp Wattage EL (W)	Lamp Current EL (A)	Lamp Voltage (V)	Mains Voltage Stable Operation (V)	Cap Base	Color Temperature HPL system (K)
MASTER HPI-T Plus 250W/645 E40 SLV	250	245	2.1/2.5	128	198	E40	4500
MASTER HPI-T Plus 400W/645 E40 SLV	400	382	3.4/3.8	125	198	E40	4500

Product ID	Color Rendering Index (R_a)	Chromaticity Coordinate X	Chromaticity Coordinate Y	Bulb Finish	Luminous Flux Lamp EM/CuFe HPL/SON (lm)	Luminous Efficacy Lamp (lm/W)	Lamp Current Run-Up (A)
MASTER HPI-T Plus 250W/645 E40 SLV	65	362	373	Clear	18000/25000	84	3.9
MASTER HPI-T Plus 400W/645 E40 SLV	65	362	370	Clear	35000/42500	89	6

Product ID	Ignition Peak Voltage HPL/SON (V)	Ignition Supply Voltage min. (V)	Cap-Base Temperature (C)	Bulb Temperature (C)	Nett Weight Product In Grams (gr)
MASTER HPI-T Plus 250W/645 E40 SLV	750	198	250	550	180
MASTER HPI-T Plus 400W/645 E40 SLV	5000	198	250	600	185

Spectral power distribution

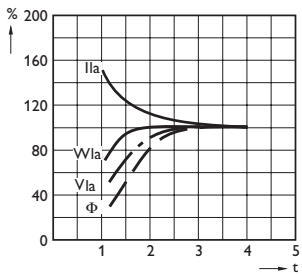
HPI-T Plus



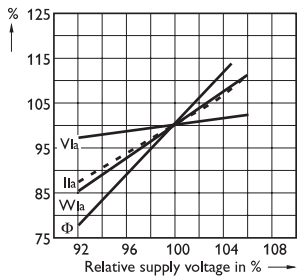
Performance diagrams

HPI-T Plus

Lamp performance during run up



Effects of mains voltage variations



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