



# Product Description

## MASTER HPI-T Plus

Quartz metal halide lamps with clear outer bulb

### Benefits

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

### Features

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

### Application

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

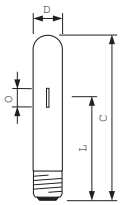
### Warnings and Safety

- 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
- For use with control gear designed for high-pressure mercury or sodium lamps

Related products

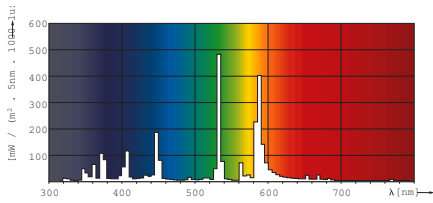


Dimensional drawing



Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T Plus 400W/645 E40	286	46.5	180	40
HPI-T Plus 250W/645 E40	255	46.5	158	29

Photometric data



MASTER HPI-T Plus

Compare table

Order code	Full product name	Bulb	Bulb Finish	Cap-Base	Burning Position	System Description	Colour Code	Colour Designation	Lamp Wattage	Lamp Voltage	Lamp Current EM
179906 15	MASTER HPI-T Plus 400W/645 E40 1SL	T46	Clear	GES	p20	na	645	Cool White	400	125	3.4
179890 15	MASTER HPI-T Plus 250W/645 E40 1SL	T46	Clear	GES	p20	na	645	Cool White	250	128	2.10

Compare table

Order code	Full product name	Dimmable	Chromaticity Coordinate X	Chromaticity Coordinate Y	Colour Rendering Index	Life to 10% failures	Life to 20% failures	Life to 5% failures	Life to 50% failures	Cap-Base Temperature	Bulb Temperature
179906 15	MASTER HPI-T Plus 400W/645 E40 1SL	no	361	372	65	7500	11000	5000	20000	250	600
179890 15	MASTER HPI-T Plus 250W/645 E40 1SL	no	365	377	65	7500	11000	5000	20000	250	550

Compare table

Order code	Full product name	Colour Temperature	Mercury (Hg) Content	Lum Efficacy Rated EM 25°C	LLMF EM 20000h Rated	LLMF EM 16000h Rated	LLMF EM 12000h Rated	LLMF EM 8000h Rated	LLMF EM 6000h Rated	LLMF EM 4000h Rated	LLMF EM 2000h Rated
179906 15	MASTER HPI-T Plus 400W/645 E40 1SL	4500	27	84	60	63	68	73	77	82	90
179890 15	MASTER HPI-T Plus 250W/645 E40 1SL	4500	33	84	60	63	68	73	77	82	90

Compare table

Order code	Full product name	Lamp Wattage EM 25°C, Rated	Luminous Flux EM 25°C, Rated	LSF EM 12000h Rated, 12h cycle	LSF EM 16000h Rated, 12h cycle	LSF EM 20000h Rated, 12h cycle	LSF EM 2000h Rated, 12h cycle	LSF EM 4000h Rated, 12h cycle	LSF EM 6000h Rated, 12h cycle	LSF EM 8000h Rated, 12h cycle	Lamp Wattage EM 25°C, Nominal
179906 15	MASTER HPI-T Plus 400W/645 E40 1SL	382	32000	76	63	50	99	96	93	88	400
179890 15	MASTER HPI-T Plus 250W/645 E40 1SL	245	20500	76	63	50	99	96	93	88	250



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[www.philips.com/lighting](http://www.philips.com/lighting)

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data subject to change