



# MASTER HPI-T Plus

MASTER HPI-T Plus 250W/645 E40 1SL

Quartz metal halide lamps with clear outer bulb

## Product data

### • General Characteristics

System Description	na [-]
Cap-Base	E40
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Operating Position	p20 [Parallel +/-20D or Horizontal(HOR)]
Life to 5% failures	5000 hr
Life to 10% failures	7500 hr
Life to 20% failures	11000 hr
Life to 50% failures	20000 hr
LSF EM 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	96 %
LSF EM 6000h Rated, 12h cycle	93 %
LSF EM 8000h Rated, 12h cycle	88 %
LSF EM 12000h Rated, 12h cycle	76 %
LSF EM 16000h Rated, 12h cycle	63 %
LSF EM 20000h Rated, 12h cycle	50 %

### • Light Technical Characteristics

Color Code	645 [CCT of 4500K]
Color Rendering Index	65 Ra8
Color Designation (text)	Cool White
Color Temperature	4500 K
Color Temperature Technical	4440 K

Luminous Flux EM 25°C, Rated	20500 Lm
Lum Efficacy Rated EM 25°C	84 Lm/W
LLMF EM 2000h Rated	90 %
LLMF EM 4000h Rated	82 %
LLMF EM 6000h Rated	77 %
LLMF EM 8000h Rated	73 %
LLMF EM 12000h Rated	68 %
LLMF EM 16000h Rated	63 %
LLMF EM 20000h Rated	60 %
Chromaticity Coordinate X	365 -
Chromaticity Coordinate Y	377 -

### • Electrical Characteristics

Lamp Wattage	250 W
Lamp Wattage EM 25°C, Nominal	250 W
Lamp Wattage EM 25°C, Rated	245 W
Lamp Voltage	128 V
Lamp Current EM	2.10 A
Ignition Time	30 (max) s
Dimmable	No
Ratio scotopic/ photopic lumens	1.50 -

**PHILIPS**

# MASTER HPI-T Plus

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	33 mg
Energy consumption kWh/1000h	269 kWh

## • Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	550 (max) C

## • Product Dimensions

Overall Length C	257 (max) mm
Diameter D	47 (max) mm
Light Center Length L	158 mm
Arc Length O	29 mm

## • Product Data

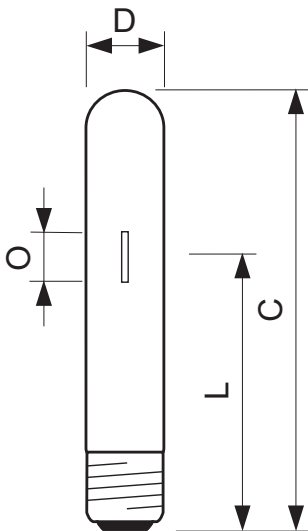
Order code	928076109299
Full product code	928076109299
Full product name	MASTER HPI-T Plus 250W/645 E40 1SL
Order product name	MASTER HPI-T Plus 250W/645 E40 1SL
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8710163146003
Bar code on outerbox - EAN3	8727900077759
Logistic code(s) - 12NC	928076109299
ILCOS code	MT-250/45/2B-H-E40-/H
Net weight per piece	0.184 kg

## 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

- 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.

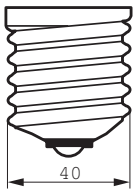
## Dimensional drawing



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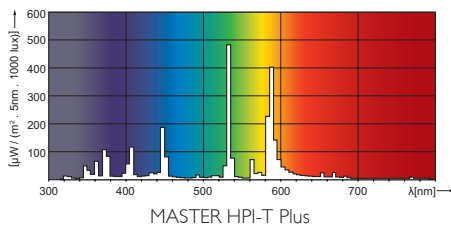
Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T Plus 250W/645 E40	257	47	158	29

## Dimensional drawing



E40

## Photometric data



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data subject to change