



# MASTER HPI-T Plus

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

Quartz metal halide lamps with clear outer bulb

## Product data

### • General Information

Cap-Base	E40 [ E40]
Bulb Shape	T46 [ T 46mm]
Operating Position	P20 [ Parallel +/-20D or Horizontal(HOR)]
Life To 5% Failures (Nom)	5000 h
Life To 10% Failures (Nom)	7500 h
Life To 20% Failures (Nom)	11000 h
Life To 50% Failures (Nom)	20000 h
System Description	-
LSF 2000 h Rated	99 %
LSF 4000 h Rated	96 %
LSF 6000 h Rated	93 %
LSF 8000 h Rated	88 %
LSF 12000 h Rated	76 %
LSF 16000 h Rated	63 %
LSF 20000 h Rated	50 %

### • Light Technical

Color Code	645 [ CCT of 4500K]
Luminous Flux (Rated) (Nom)	20500 lm
Color Designation	Cool White (CW)
Chromaticity Coordinate X (Nom)	365
Chromaticity Coordinate Y (Nom)	377
Correlated Color Temperature (Nom)	4500 K
Luminous Efficacy (rated) (Nom)	84 lm/W

Color Rendering Index (Nom)	65
LLMF 2000 h Rated	90 %
LLMF 4000 h Rated	82 %
LLMF 6000 h Rated	77 %
LLMF 8000 h Rated	73 %
LLMF 12000 h Rated	68 %
LLMF 16000 h Rated	63 %
LLMF 20000 h Rated	60 %

### • Operating and Electrical

Power (Rated) (Nom)	245.0 W
Lamp Current Run-Up (Max)	3.9 A
Lamp Current (EM) (Nom)	2.10 A
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	30 s
Voltage (Max)	138 V
Voltage (Min)	118 V
Voltage (Nom)	128 V

### • Controls and Dimming

Dimmable	No
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### • Mechanical and Housing

Bulb Finish	Clear
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# PHILIPS

# MASTER HPI-T Plus

## • Approval and Application

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

## • Luminaire Design Requirements

Bulb Temperature (Max)	550 °C
Cap-Base Temperature (Max)	250 °C

## • Product Data

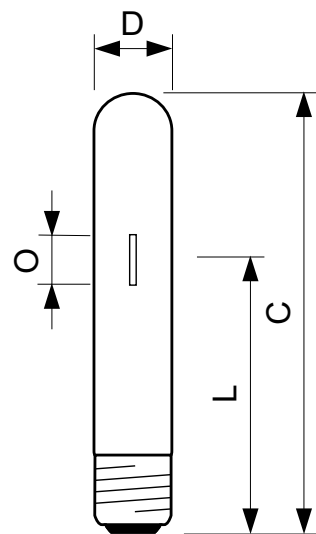
Full product code	871016314600300
Order product name	MASTER HPI-T Plus 250W/645 E40 1SL
EAN/UPC - Product	8710163146003
Order code	928076109299
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928076109299
Net Weight (Piece)	0.184 kg
ILCOS Code	MT-250/45/2B-H-E40-/H

## Warnings and Safety

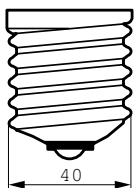
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury or sodium lamps

- 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



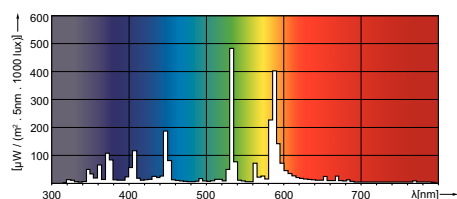
HPI-T Plus, E39/E40



## HPI-T Plus 250W/645 E40

Product	D	O	L	C
MASTER HPI-T Plus 250W/645 E40 1SL	47 mm	29 mm	158 mm	257 mm

## Photometric data



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data subject to change