



# MASTER HPI-T Plus

## MASTER HPI-T Plus 400W/645 E40 1SL/12

Quartz metal halide lamps with clear outer bulb

### Product data

General Information	
Cap-Base	E40 [ E40]
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	Horizontal Operating Position
Light Technical	
Color Code	645 [ CCT of 4500K]
Luminous Flux (Rated) (Min)	30000 lm
Luminous Flux (Rated) (Nom)	32000 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	90 %
Lumen Maintenance 20000 h	60 %
Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	361
Chromaticity Coordinate Y (Nom)	372
Correlated Color Temperature (Nom)	4500 K
Luminous Efficacy (Rated) (Nom)	84 lm/W

Color Rendering Index (Nom)	65
Operating and Electrical	
Power (Rated) (Nom)	382 W
Lamp Current Run-Up (Max)	6 A
Lamp Current (EM) (Nom)	3.4 A
Ignition Supply Voltage (Max)	198 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	10 s
Voltage (Max)	135 V
Voltage (Min)	115 V
Voltage (Nom)	125 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	29.5 mg
Energy Consumption kWh/1000 h	420 kWh

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## Luminaire Design Requirements

Bulb Temperature (Max)	600 °C
Cap-Base Temperature (Max)	250 °C

## Product Data

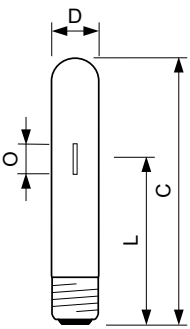
Full product code	871150020345815
Order product name	MASTER HPI-T Plus 400W/645 E40 1SL/12
EAN/UPC - Product	8711500203458

Order code	928481600092
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928481600092
Net Weight (Piece)	0.210 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.

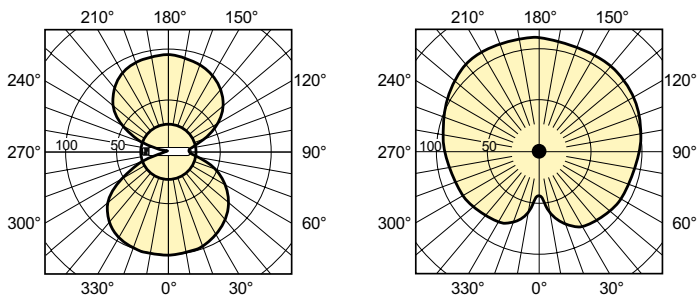
## Dimensional drawing



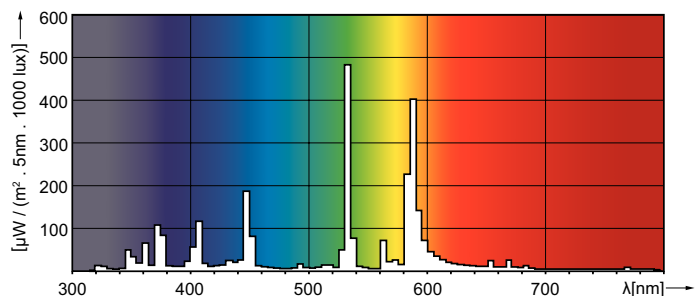
HPI-T Plus 400W/645 E40

Product	D (max)	O	L	C (max)
MASTER HPI-T Plus 400W/645 E40 1SL/12	47 mm	30.5 mm	168 mm	286 mm

## Photometric data



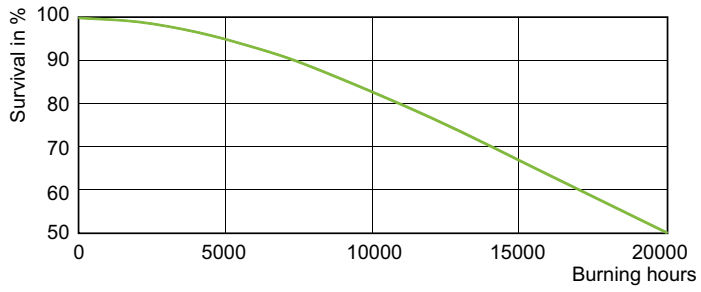
HPI-T



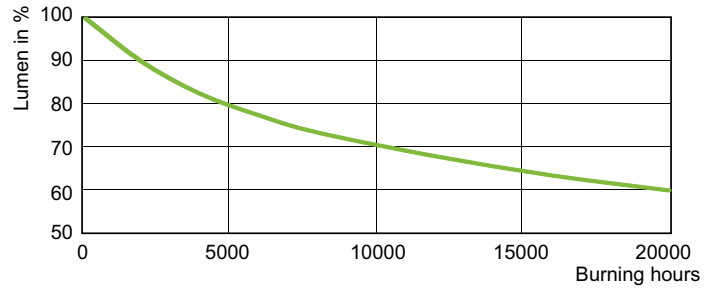
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# MASTER HPI-T Plus

## Lifetime



HPI-T Life Expectancy



HPI-T Lumen Maintenance

