



MASTER HPI-T Plus

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

Quartz metal halide lamps with clear outer bulb

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.

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)	83 lm/W
Color Rendering Index (Nom)	65

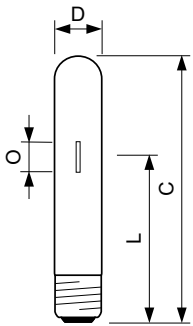
Operating and electrical	
Power (Nom)	385 W
Lamp Current Run-Up (Max)	6 A
Lamp Current (EM) (Nom)	3.4 A
Ignition Supply Voltage (Max)	198 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	10 s
Voltage (Max)	135 V
Voltage (Min)	115 V

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Voltage (Nom)	125 V
Controls and dimming	
Dimmable	No
Mechanical and housing	
Bulb Finish	Clear
Bulb Shape	T46 [T 46mm]
Approval and application	
Mercury (Hg) Content (Nom)	29.5 mg
Energy Consumption kWh/1000 h	424 kWh
Luminaire design requirements	
Bulb Temperature (Max)	600 °C

Cap-Base Temperature (Max)	250 °C
Product data	
Full product code	871150017990615
Order product name	MASTER HPI-T Plus 400W/645 E40 1SL/12
EAN/UPC - Product	8711500179906
Order code	928481600096
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928481600096
Net Weight (Piece)	0.153 kg

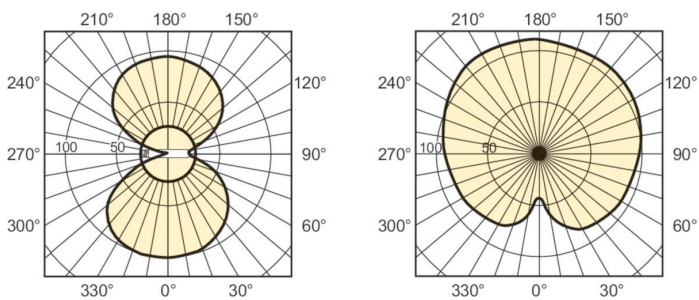
Dimensional drawing



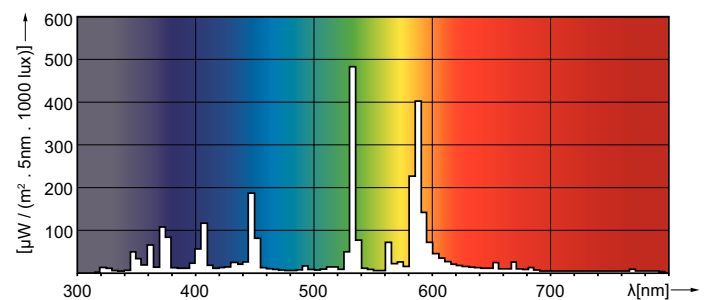
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Product	D (max)	O	L	C (max)
MASTER HPI-T Plus 400W/645 E40 1SL/12	47 mm	30.5 mm	168 mm	286 mm

Photometric data



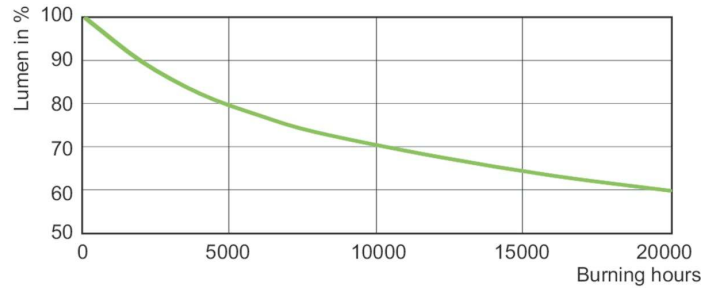
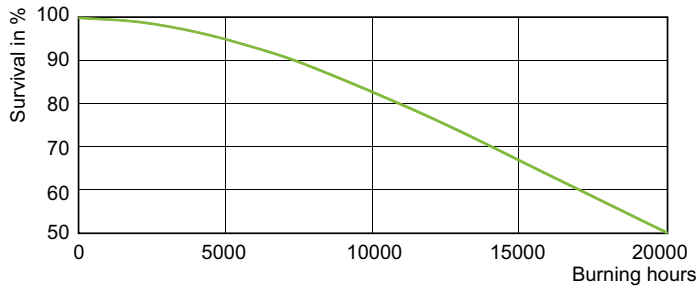
LDLD_HPI-T-Light distribution diagram



LDPO_HPI-T_Plus_250W_400W-Spectral power distribution Colour

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Lifetime



LDLE_HPI-T_0001-Life expectancy diagram

LDLM_HPI-T_0001-Lumen maintenance diagram

