



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 [Horizontal Operating Position]
Light Technical	
Colour code	645 [CCT of 4500K]
Luminous flux (rated) (min.)	30000 lm
Luminous flux (rated) (nom.)	32000 lm
Colour designation	Cool White (CW)
Lumen maintenance 10,000 hours (nom.)	70 %
Lumen maintenance 2,000 hours (min.)	75 %
Lumen maintenance 2,000 hours (nom.)	90 %
Lumen maintenance 20,000 hours	60 %
Lumen maintenance 5,000 hours (min.)	65 %
Lumen maintenance 5,000 hours (nom.)	80 %
Chromaticity coordinate X (nom.)	361
Chromaticity coordinate Y (nom.)	372
Correlated colour 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 (CL)
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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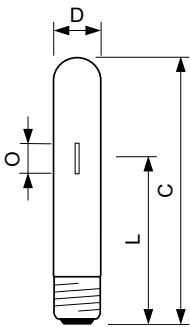
Luminaire Design Requirements	
Bulb temperature (max.)	600 °C
Cap base temperature (max.)	250 °C
Product Data	
Full product code	871150017990615
Order product name	MASTER HPI-T Plus 400W/645 E40 1SL/12
EAN/UPC – product	8711500179906

Order code	17990615
Local Code	400HPITPLUS
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928481600096
Net weight (piece)	0.153 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.

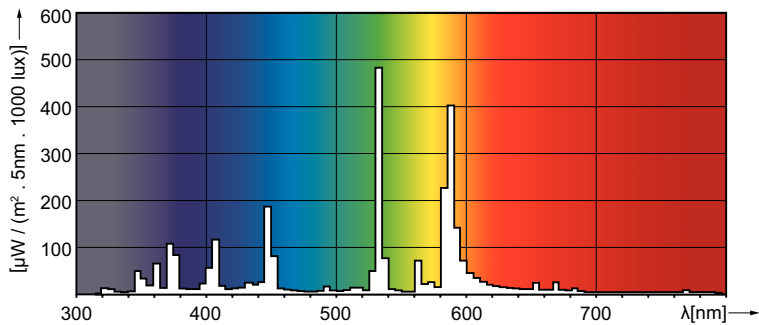
Dimensional drawing



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



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