



MASTER HPI-T Plus

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

Quartz metal halide lamps with clear outer bulb

Product data

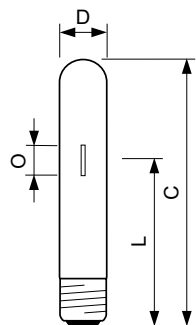
General Information	
Cap base	E40 [E40]
Burning Position	P20 [Parallel +/-20D or Horizontal(HOR)]
Life to 5% failures (nom.)	5000 h
Life to 10% failures (nom.)	7500 h
Life to 20% failures (nom.)	11000 h
Life to 50% failures (nom.)	20000 h
System description	Horizontal [Horizontal Operating Position]
Light Technical	
Colour Code	645 [CCT of 4,500 K]
Lamp Luminous Flux (Min)	30000 lm
Lamp Luminous Flux (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
Colour Temperature, horizontal (Nom)	4500 K
Lamp Luminous Efficacy EM (Nom)	83 lm/W
Colour Rendering Index,horiz (Nom)	65

Operating and Electrical	
Power (Rated) (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
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	424 kWh
Luminaire Design Requirements	
Bulb temperature (max.)	600 °C
Cap base temperature (max.)	250 °C

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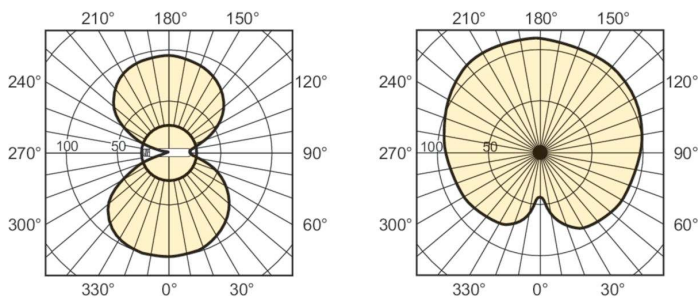
Product Data	
Full product code	871150017990615
Order product name	MASTER HPI-T Plus 400W/645 E40 1SL/12
EAN/UPC – product	8711500179906
Order code	928481600096
Numerator – quantity per pack	1

Dimensional drawing



HPI-T Plus 400W/645 E40

Photometric data



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