



MASTER HPI-T Plus

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

Quartz metal halide lamps with clear outer bulb

Product data

• General Characteristics

System Description	Horizontal [Horizontal Operating Position]
Cap-Base	GES [GES]
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Burning Position	p20 [Parallel +/-20D or Horizontal(HOR)]
Life to 5% failures	5000 hr
Life to 10% failures	7500 hr
Life to 20% failures	11000 hr
Life to 50% failures	20000 hr

• Light Technical Characteristics

Colour Code	645 [CCT of 4500K]
Colour Rendering Index	65 Ra8
Colour Designation	Cool White
Colour Temperature	4500 K
Lamp Luminous Flux EM	20500 Lm
Lamp Luminous Efficacy EM	84 Lm/W
Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	80 %
Lumen Maintenance 10000h	70 %
Lumen Maintenance 20000h	60 %
Chromaticity Coordinate X	365 -
Chromaticity Coordinate Y	377 -

• Electrical Characteristics

Lamp Wattage	250 W
Lamp Wattage EM	245 W
Lamp Voltage	128 V
Lamp Current EM	2.1 A
Ignition Time	10 (max) s
Dimmable	no

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	36 mg
Energy consumption kWh/1000h	269 kWh

• Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	550 (max) C

• Product Dimensions

Overall Length C	255 (max) mm
Diameter D	47 (max) mm
Light Center Length L	155 mm
Arc Length O	29 mm

• Product Data

Order code	179890 15
Full product code	871150017989015

PHILIPS

MASTER HPI-T Plus

Full product name MASTER HPI-T Plus 250W/645 E40 1SL
 Order product name MASTER HPI-T Plus 250W/645 E40 1SL/12
 Pieces per pack 1
 Packing configuration 12
 Packs per outerbox 12

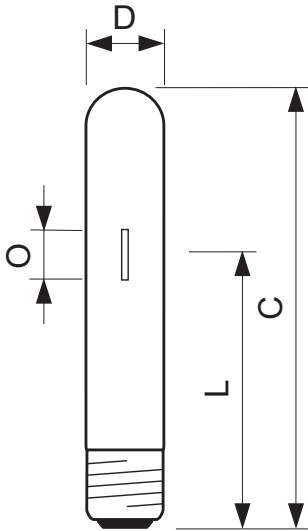
Bar code on pack - EAN1 8711500179890
 Bar code on outerbox - EAN3 8711500182975
 Logistic code(s) - 12NC 928481300098
 Net weight per piece 0.190 kg

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)

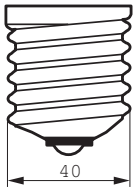
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury or sodium lamps

Dimensional drawing



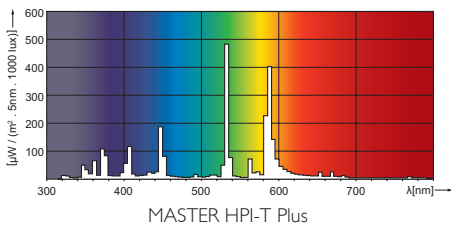
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Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T Plus 250W/645 E40	255	47	155	29



E40

Photometric data





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data subject to change