



HPI-T

HPI-T 1000W/643 E40 220V 1SL

Quartz metal halide lamps with clear outer bulb

Product data

• Product Data

Order code	183736 45
Full product code	871150018373645
Full product name	HPI-T 1000W/643 E40 220V 1SL
Order product name	HPI-T 1000W/643 E40 220V 1SL
Pieces per pack	1
Packing configuration	4
Packs per outerbox	4
Bar code on pack - EAN1	8711500183736
Bar code on outerbox - EAN3	8711500183743
Logistic code(s) - 12NC	928074009231
ILCOS code	MT-1000/43/2B-H-E40-/H
Net weight per piece	0.433 kg

• General Characteristics

System Description	-
Cap-Base	GES [GES]
Bulb	T65 [T 65mm]
Bulb Finish	Clear
Burning Position	p20 [Parallel +/-20D or Horizontal(HOR)]
Life to 5% failures	3000 hr
Life to 10% failures	5500 hr
Life to 20% failures	8000 hr
Life to 50% failures	12000 hr

• Electrical Characteristics

Lamp Wattage	1000 W
Lamp Wattage EM	985.0 W
Voltage	220 V
Lamp Voltage	130 V
Lamp Current EM	8.25 A

Dimmable no

• Environmental Characteristics

Mercury (Hg) Content 68 mg

• Light Technical Characteristics

Colour Code	643 [CCT of 4300K]
Colour Rendering Index	65 Ra8
Colour Designation	Cool White
Colour Temperature	4300 K
Colour Temperature Technical	4300 K
Chromaticity Coordinate X	370 -
Chromaticity Coordinate Y	380 -
Lamp Luminous Flux EM	85000 Lm
Lamp Luminous Efficacy EM	86 Lm/W
Lumen Maintenance 2000h	87 %
Lumen Maintenance 5000h	80 %
Lumen Maintenance 10000h	75 %
Average Luminance EM	710 cd/cm ²
Lumen Maintenance 1500h	90 %

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sense and simplicity

• Product Dimensions

Overall Length C	382 mm
Diameter D	66 mm
Light Center Length L	240 mm
Arc Length O	80 mm

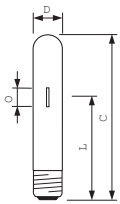
• Luminaire Design Requirements

Cap-Base Temperature	300 C
Bulb Temperature	555 C

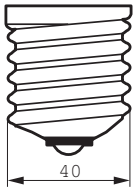
Warnings and Safety

- 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 lamps

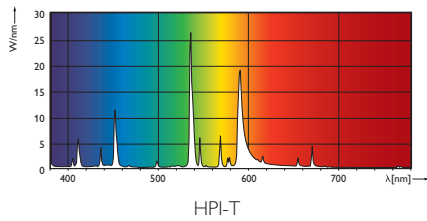
Dimensional drawing



Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T 1000W/643 E40 220V	382	66	240	80



Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
- b) Nominal and rated lamp luminous flux;
- c) Rated lamp efficacy at 100 h in standard conditions.
- d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- f) Lamp mercury content as XX mg;
- g) Colour Rendering Index (Ra) of the lamp;
- h) Colour temperature of the lamp;
- i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

For more information see <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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2011, April 11
data subject to change