



HPI-T

HPI-T 2000W/642 E40 380V CRP

Quartz metal halide lamps with clear outer bulb

Product data

• General Characteristics

System Description	High Output
Cap-Base	E40
Bulb	T100 [T 100mm]
Bulb Finish	Clear
Operating 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	2000 W
Lamp Wattage EM	1955 W
Voltage	380 V
Lamp Voltage	232 V
Lamp Current EM	9.1 A
Dimmable	No

• Environmental Characteristics

Mercury (Hg) Content	256 mg
----------------------	--------

• Light Technical Characteristics

Color Code	642 [CCT of 4200K]
Color Rendering Index	65 Ra8
Color Designation (text)	Cool White
Color Temperature	3800 K
Color Temperature Technical	3800 K

Chromaticity Coordinate X	397 -
Chromaticity Coordinate Y	403 -
Luminous Flux Lamp EM	210000 Lm
Luminous Efficacy Lamp EM	107 Lm/W
Lumen Maintenance 2000h	90 %
Lumen Maintenance 5000h	80 %
Lumen Maintenance 10000h	75 %
Luminance Average EM	930 cd/cm2
Lumen Maintenance 1500h	92 %

• Product Dimensions

Overall Length C	430 (max) mm
Diameter D	101.5 (max) mm
Light Center Length L	267 mm
Arc Length O	120 mm

• Luminaire Design Requirements

Cap-Base Temperature	300 (max) C
Bulb Temperature	600 (max) C

• Product Data

Order code	928074209204
Full product code	928074209204

HPI-T

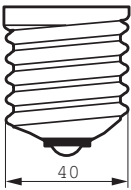
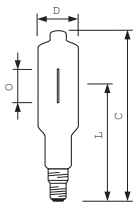
Full product name HPI-T 2000W/642 E40 380V CRP
Order product name HPI-T 2000W/642 E40 380V CRP
Pieces per pack 1
Packing configuration 4
Packs per outerbox 4
Bar code on pack - EAN1 8711500202352

Bar code on outerbox - EAN3 8711500202369
Logistic code(s) - 12NC 928074209204
ILCOS code MT-2000/42/2B-H-E40-/H
Net weight per piece 0.616 kg

Warnings and Safety

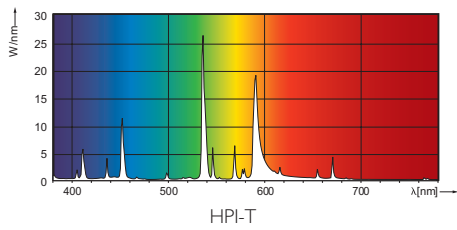
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury lamps

Dimensional drawing



Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T 2000W/642 HO E40 380V	430	101.5	267	120

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>



© 2011 Koninklijke Philips Electronics N.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com/lighting

2011, June 7
data subject to change