



HPI-T

HPI-T 2000W/646 E40 220V CRP/4

Quartz metal halide lamps with clear outer bulb

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
- 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.

Product data

General Information	
Cap base	E40 [E40]
Burning Position	P75 [Parallel +/-75D or Horizontal(HOR)]
Life to 5% failures (nom.)	3000 h
Life to 10% failures (nom.)	5500 h
Life to 20% failures (nom.)	8000 h
Life to 50% failures (nom.)	12000 h
System description	na [-]
Light Technical	
Colour Code	646 [CCT of 4,600 K]
Lamp Luminous Flux (Min)	182000 lm
Lamp Luminous Flux (Nom)	189000 lm
Colour Designation	Cool White (CW)
Lumen maintenance 10,000 hours (nom.)	60 %
Lumen maintenance 2,000 hours (nom.)	77 %
Lumen maintenance 5,000 hours (nom.)	67 %
Chromaticity coordinate X (nom.)	375

Chromaticity coordinate Y (nom.)	385
Colour Temperature, horizontal (Nom)	4200 K
Lamp Luminous Efficacy EM (Nom)	95 lm/W
Colour Rendering Index,horiz (Nom)	63

Operating and Electrical	
Lamp supply voltage	220 V [220]
Power (Rated) (Nom)	1980 W
Lamp current run-up (max.)	28.4 A
Lamp current (EM) (nom.)	16.5 A
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Ignition time (max.)	30 s
Voltage (Max)	140 V
Voltage (Min)	120 V
Voltage (Nom)	130 V

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
Bulb shape	T100 [T 100mm]

Approval and Application

Mercury (Hg) content (nom.)	155 mg
Energy consumption kWh/1,000 hours	2178 kWh

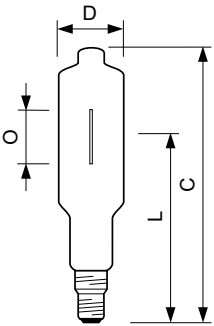
Luminaire Design Requirements

Bulb temperature (max.)	600 °C
Cap-base temperature (max.)	300 °C

Product Data

Full product code	871150018376745
Order product name	HPI-T 2000W/646 E40 220V CRP/4
EAN/UPC – product	8711500183767
Order code	928073609231
SAP numerator – quantity per pack	1
Numerator – packs per outer box	4
SAP material	928073609231
SAP net weight (piece)	569.000 g
ILCOS code	MT-2000/46/2B-H-E40-/H

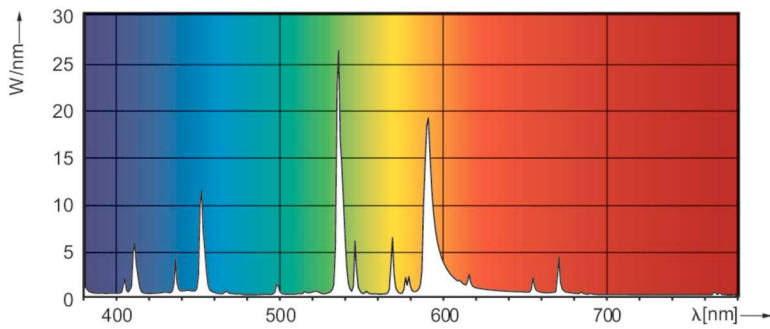
Dimensional drawing



HPI-T 2000W/646 E40 220V

Product	D (max)	O	L	C (max)
HPI-T 2000W/646 E40 220V CRP/4	101.5 mm	89 mm	290 mm	430 mm

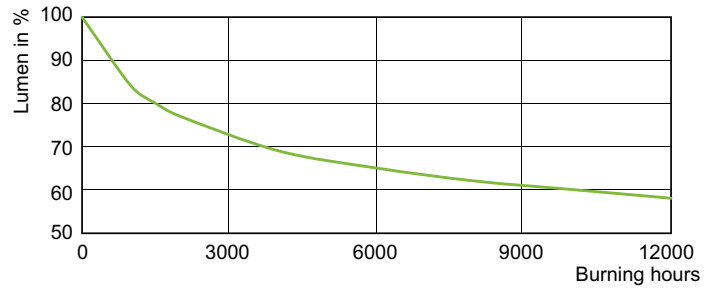
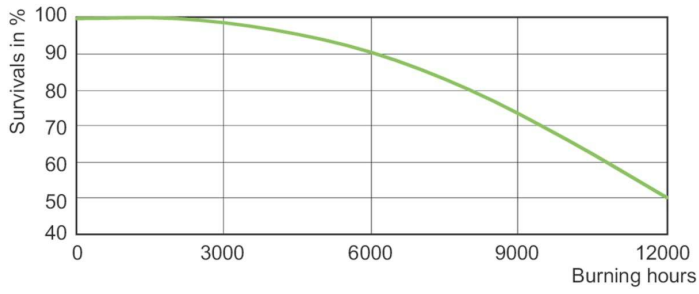
Photometric data



LDPO_HPI-THW-Spectral power distribution Colour

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Lifetime



LDLE_HPI-THW_0003-Life expectancy diagram

LDLM_HPI-THW_0001-Lumen maintenance diagram

