



HPI-T High Wattage

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		Chromaticity Coordinate Y (Nom)	
Cap-Base	E40 [E40]	Chromaticity Coordinate Y (Nom)	385
Operating Position	P75 [Parallel +/-75D or Horizontal(HOR)]	Correlated Color Temperature (Nom)	4200 K
Life to 5% Failures (Nom)	3000 h	Luminous Efficacy (rated) (Nom)	95 lm/W
Life To 10% Failures (Nom)	5500 h	Color Rendering Index (Nom)	63
Life to 20% Failures (Nom)	8000 h	Operating and electrical	
Life to 50% Failures (Nom)	12000 h	Lamp supply voltage	220 V [220]
System Description	-	Power (Nom)	1980 W
Light technical		Lamp Current Run-Up (Max)	28.4 A
Color Code	646 [CCT of 4600K]	Lamp Current (EM) (Nom)	16.5 A
Luminous Flux (Rated) (Min)	182000 lm	Ignition Peak Voltage (Max)	5000 V
Luminous Flux (Rated) (Nom)	189000 lm	Ignition Supply Voltage (Min)	198 V
Color Designation	Cool White (CW)	Ignition Time (Max)	30 s
Lumen Maintenance 10000 h (Nom)	60 %	Voltage (Max)	140 V
Lumen Maintenance 2000 h (Nom)	77 %	Voltage (Min)	120 V
Lumen Maintenance 5000 h (Nom)	67 %	Voltage (Nom)	130 V
Chromaticity Coordinate X (Nom)	375		

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Controls and dimming

Dimmable	No
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Mechanical and housing

Bulb Finish	Clear
Bulb Shape	T100 [T 100mm]

Approval and application

Mercury (Hg) Content (Nom)	155 mg
Energy Consumption kWh/1000 h	2178 kWh

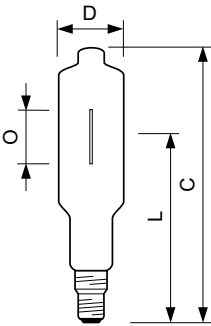
Luminaire design requirements

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
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	928073609231
Net Weight (Piece)	569.000 g
ILCOS Code	MT-2000/46/2B-H-E40-/H

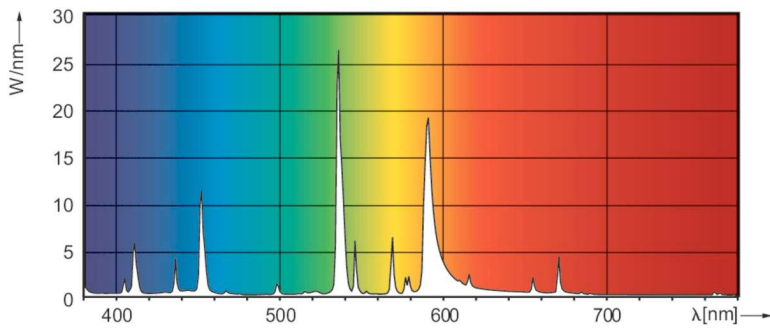
Dimensional drawing



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

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

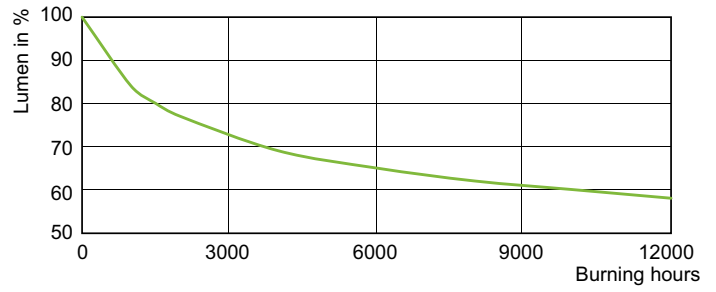
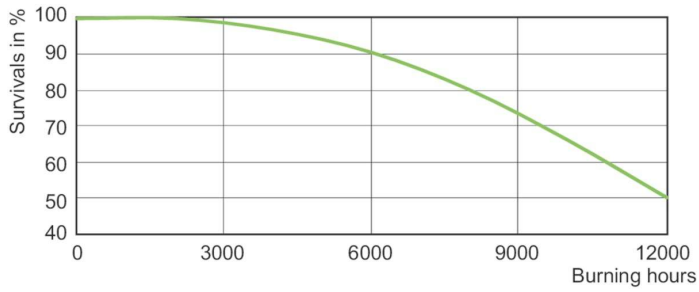
Photometric data



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

