PHILIPS

Lighting



HPI-T

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

Quartz metal halide lamps with clear outer bulb

Product data

General Information	
Cap base	E40 [E40]
Operating 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 4600K]
Luminous flux (rated) (min.)	182000 lm
Luminous flux (rated) (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
Correlated colour temperature (nom.)	4200 K
Luminous efficacy (rated) (nom.)	96 lm/W
Color rendering index (nom.)	63

Operating and Electrical	
Lamp supply voltage	220 V [220]
Power (Rated) (Nom)	1960.0 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

Controls and Dimming	
Dimmable	no

Mechanical and Housing	
Bulb finish	Clear (CL)

Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	155 mg
Energy Consumption kWh/1000 h	2156 kWh

Luminaire Design Requirements	
Bulb temperature (max.)	600 °C
Cap base temperature (max.)	300 °C

HPI-T

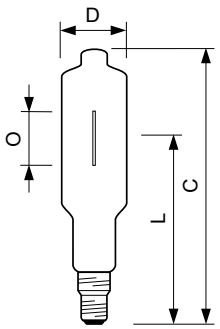
Product Data	
Full product code	871150018376745
Order product name	HPI-T 2000W/646 E40 220V CRP/4
EAN/UPC – product	8711500183767
Order code	18376745
Local Code	2000HPIT
Numerator – quantity per pack	1

Numerator – packs per outer box	4
Material no. (12NC)	928073609231
Net weight (piece)	569.000 g
ILCOS Code	MT-2000/46/2B-H-E40-/H

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.

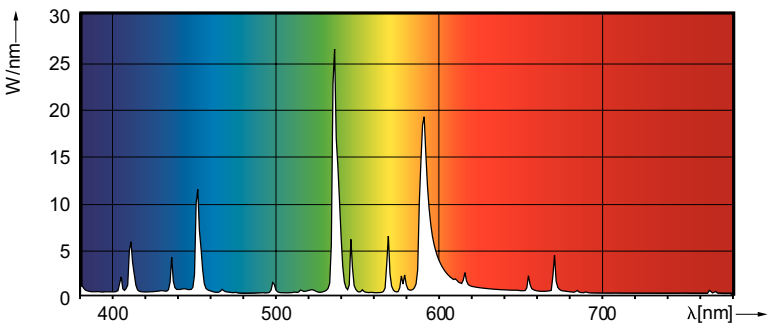
Dimensional drawing



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





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www.lighting.philips.com
2017, July 25 - data subject to change