



# Product Description

## HPI-T

Quartz metal halide lamps with clear outer bulb

### Benefits

- High safety and comfort level, maintained over life
- Minimal maintenance cost

### Features

- Clear tubular outer bulb
- Unique 3-band technology resulting in high luminous efficacy, both initially and over long lifetime
- Renders a natural white color appearance and good color stability

### Application

- Sports lighting, floodlighting of buildings and monuments, area lighting e.g. harbours and building sites

### 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.

## Controls and Dimming

Dimmable	No
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## General Information

Cap-Base	E40
Life To 10% Failures (Nom)	5500 h
Life To 20% Failures (Nom)	8000 h
Life To 50% Failures (Nom)	12000 h
Life To 5% Failures (Nom)	3000 h

## Light Technical

Colour Designation	Cool White (CW)
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## Mechanical and Housing

Bulb Finish	Clear
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## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
18376745	HPI-T 2000W/646 E40 220V CRP/4	2178 kWh	A+	155 mg
20235245	HPI-T 2000W/542 E40 380V 1SL/4	2178 kWh	A+	256 mg
18373645	HPI-T 1000W/543 E40 1SL/4	1089 kWh	A	86 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
18376745	HPI-T 2000W/646 E40 220V CRP/4	16.5 A	140 V	120 V	130 V
20235245	HPI-T 2000W/542 E40 380V 1SL/4	9.1 A	247 V	217 V	232 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
18373645	HPI-T 1000W/543 E40 1SL/4	8.25 A	140 V	120 V	130 V

## Operating and Electrical (2/2)

Order Code	Full Product Name	Power (Rated) (Nom)
18376745	HPI-T 2000W/646 E40 220V CRP/4	1980 W
20235245	HPI-T 2000W/542 E40 380V 1SL/4	1980 W

Order Code	Full Product Name	Power (Rated) (Nom)
18373645	HPI-T 1000W/543 E40 1SL/4	990 W

## General Information

Order Code	Full Product Name	Operating	
		Position	System Description
18376745	HPI-T 2000W/646 E40 220V CRP/4	P75	na
20235245	HPI-T 2000W/542 E40 380V 1SL/4	P20	High Output (HO)

Order Code	Full Product Name	Operating	
		Position	System Description
18373645	HPI-T 1000W/543 E40 1SL/4	P	na

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
18376745	HPI-T 2000W/646 E40 220V CRP/4	600 °C
20235245	HPI-T 2000W/542 E40 380V 1SL/4	600 °C

Order Code	Full Product Name	Bulb Temperature (Max)
18373645	HPI-T 1000W/543 E40 1SL/4	555 °C

## Light Technical (1/2)

## HPI-T

Order Code	Full Product Name	Chromaticity		Correlated Colour Temperature	
		Coordinate X (Nom)	Coordinate Y (Nom)	Colour Code	Temperature (Nom)
18376745	HPI-T 2000W/646 E40 220V CRP/4	375	385	646	4200 K
20235245	HPI-T 2000W/542	387	403	542	3800 K

Order Code	Full Product Name	Chromaticity		Correlated Colour Temperature	
		Coordinate X (Nom)	Coordinate Y (Nom)	Colour Code	Temperature (Nom)
	E40 380V 1SL/4				
18373645	HPI-T 1000W/543 E40 1SL/4	370	380	543	4300 K

### Light Technical (2/2)

Order Code	Full Product Name	Colour			Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)	
		Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 2000 h (Nom)				Lumen Maintenance 5000 h (Nom)
18376745	HPI-T 2000W/646 E40 220V CRP/4	63	60 %	77 %	67 %	95 lm/W	182000 lm	189000 lm
20235245	HPI-T 2000W/542 E40 380V 1SL/4	59	75 %	90 %	80 %	101 lm/W	180000 lm	200000 lm
18373645	HPI-T 1000W/543 E40 1SL/4	57	75 %	87 %	80 %	83 lm/W	73890 lm	82100 lm

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
18376745	HPI-T 2000W/646 E40 220V CRP/4	T100
20235245	HPI-T 2000W/542 E40 380V 1SL/4	T100

Order Code	Full Product Name	Bulb Shape
18373645	HPI-T 1000W/543 E40 1SL/4	T65

