



# Product Description

## HPI-T High Wattage

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.

# HPI-T High Wattage

## Versions

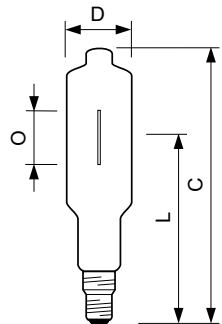
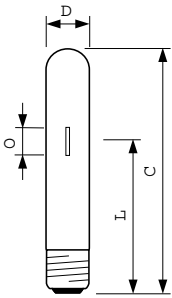


HPI-T, 2000W, E40



HPI-T, 1000W, E40

## Dimensional drawing



### Product

HPI-T 1000W/543 E40 1SL/4

HPI T 1000W 543 E40 220V 1SL/4

HPI-T 1000W/543 E40 1SL/4

### Product

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

HPI-T 2000W/542 E40 380V 1SL/4

# HPI-T High Wattage

## 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

Color 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)
928073609231	HPI-T 2000W/646 E40 220V CRP/4	2156 kWh	A+	155 mg
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	2151 kWh	A+	256 mg
928482600093	HPI-T 1000W/543 E40 1SL/4	1084 kWh	A	86 mg
928482600094	HPI T 1000W 543 E40 220V 1SL/4	1084 kWh	A	86 mg
928482600096	HPI-T 1000W/543 E40 1SL/4	1084 kWh	A	86 mg

## Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928073609231	HPI-T 2000W/646 E40 220V CRP/4	16.5 A	140 V	120 V	130 V
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	9.1 A	247 V	217 V	232 V
928482600093	HPI-T 1000W/543 E40 1SL/4	8.25 A	140 V	120 V	130 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928482600094	HPI T 1000W 543 E40 220V 1SL/4	8.25 A	140 V	120 V	130 V
928482600096	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)
928073609231	HPI-T 2000W/646 E40 220V CRP/4	1960.0 W
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	1955.0 W
928482600093	HPI-T 1000W/543 E40 1SL/4	985.0 W

Order Code	Full Product Name	Power (Rated) (Nom)
928482600094	HPI T 1000W 543 E40 220V 1SL/4	985.0 W
928482600096	HPI-T 1000W/543 E40 1SL/4	985.0 W

## General Information

Order Code	Full Product Name	Operating	System
		Position	Description
928073609231	HPI-T 2000W/646 E40 220V CRP/4	P75	-
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	P20	High Output

Order Code	Full Product Name	Operating	System
		Position	Description
928482600093	HPI-T 1000W/543 E40 1SL/4	P	-
928482600094	HPI T 1000W 543 E40 220V 1SL/4	P	-
928482600096	HPI-T 1000W/543 E40 1SL/4	P	-

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
928073609231	HPI-T 2000W/646 E40 220V CRP/4	600 °C
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	600 °C
928482600093	HPI-T 1000W/543 E40 1SL/4	555 °C

Order Code	Full Product Name	Bulb Temperature (Max)
928482600094	HPI T 1000W 543 E40 220V 1SL/4	555 °C
928482600096	HPI-T 1000W/543 E40 1SL/4	555 °C

## Light Technical (1/2)

## HPI-T High Wattage

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Temperature (Nom)
928073609231	HPI-T 2000W/646 E40 220V CRP/4	375	385	646	4200 K
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	387	403	542	3800 K
928482600093	HPI-T 1000W/543 E40 1SL/4	370	380	543	4300 K

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Code	Temperature (Nom)
928482600094	HPI T 1000W 543 E40 220V 1SL/4	370	380	543	4300 K
928482600096	HPI-T 1000W/543 E40 1SL/4	370	380	543	4300 K

### Light Technical (2/2)

Order Code	Full Product Name	Color	Lumen	Lumen	Lumen	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
		Rendering Index (Nom)	Maintenance 10000 h (Nom)	Maintenance 2000 h (Nom)	Maintenance 5000 h (Nom)			
928073609231	HPI-T 2000W/646 E40 220V CRP/4	63	60 %	77 %	67 %	96 lm/W	182000 lm	189000 lm
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	59	75 %	90 %	80 %	107 lm/W	195000 lm	210000 lm
928482600093	HPI-T 1000W/543 E40 1SL/4	57	75 %	87 %	80 %	86 lm/W	79000 lm	85000 lm
928482600094	HPI T 1000W 543 E40 220V 1SL/4	57	75 %	87 %	80 %	86 lm/W	79000 lm	85000 lm
928482600096	HPI-T 1000W/543 E40 1SL/4	57	75 %	87 %	80 %	86 lm/W	79000 lm	85000 lm

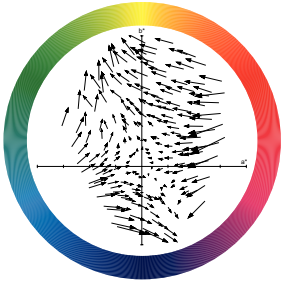
### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928073609231	HPI-T 2000W/646 E40 220V CRP/4	T100
928074209228	HPI-T 2000W/542 E40 380V 1SL/4	T100
928482600093	HPI-T 1000W/543 E40 1SL/4	T65

Order Code	Full Product Name	Bulb Shape
928482600094	HPI T 1000W 543 E40 220V 1SL/4	T65
928482600096	HPI-T 1000W/543 E40 1SL/4	T65

## HPI-T High Wattage

### Color Rendering Diagrams



LDCR\_HPI-THW\_1000W\_2000W-Colour  
rendering diagram

