



# 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 colour appearance and good colour 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 |
|----------|----|

## 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) |
|--------------------|-----------------|

## Mechanical and Housing

|             |       |
|-------------|-------|
| Bulb Finish | Clear |
|-------------|-------|

## 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 | 2178 kWh                      | A+                            | 155 mg                     |
| 928074209228 | HPI-T 2000W/542 E40 380V 1SL/4 | 2178 kWh                      | A+                            | 256 mg                     |
| 928482600096 | 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) |
| 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         |

| Order Code   | Full Product Name         | Lamp               |               |               |               |
|--------------|---------------------------|--------------------|---------------|---------------|---------------|
|              |                           | Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
| 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 | 1980 W              |
| 928074209228 | HPI-T 2000W/542 E40 380V 1SL/4 | 1980 W              |

| Order Code   | Full Product Name         | Power (Rated) (Nom) |
|--------------|---------------------------|---------------------|
| 928482600096 | HPI-T 1000W/543 E40 1SL/4 | 990 W               |

## General Information

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

| Order Code   | Full Product Name         | Operating Position | System Description |
|--------------|---------------------------|--------------------|--------------------|
| 928482600096 | HPI-T 1000W/543 E40 1SL/4 | P                  | na                 |

## 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                 |

| Order Code   | Full Product Name         | Bulb Temperature (Max) |
|--------------|---------------------------|------------------------|
| 928482600096 | 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) |
| 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            |

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

## Light Technical (2/2)

| Order Code   | Full Product Name              | Colour Rendering Index (Nom) | Lumen Maintenance         |                          |                          | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (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 %                     | 95 lm/W                         | 182000 lm                   | 189000 lm                   |
| 928074209228 | HPI-T 2000W/542 E40 380V 1SL/4 | 59                           | 75 %                      | 90 %                     | 80 %                     | 101 lm/W                        | 180000 lm                   | 200000 lm                   |
| 928482600096 | 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 |
|--------------|--------------------------------|------------|
| 928073609231 | HPI-T 2000W/646 E40 220V CRP/4 | T100       |
| 928074209228 | HPI-T 2000W/542 E40 380V 1SL/4 | T100       |

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

