PHILIPS

# MASTER HPI-T Plus

DHPITP



## Product Description

Quartz metal halide lamps with clear outer bulb

### Benefits

- High safety and comfort level, maintained over life
- Minimal maintenance cost
- Initial investment saving options with "Plus"-concept

### Applications

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

### 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
- 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

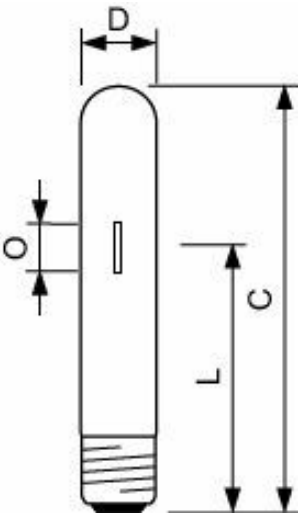
- For use with control gear designed for high-pressure mercury or sodium lamps
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

## Versions



LPPR HPI-T

## Dimensional drawing




| Product | D (max) | O | L | C (max) |
|---|---|---|---|---|
| HPI-T Plus 250W/645 E40 1SL/12 | 47 mm | 29 mm | 155 mm | 255 mm |
| HPI-T Plus 400W/645 E40 1SL/12 | 47 mm | 30.5 mm | 168 mm | 286 mm |
| MASTER HPI-T Plus 250W/645 E40 1SL | 47 mm | 29 mm | 155 mm | 255 mm |
| MASTER HPI-T Plus 250W/645 E40 1SL/12 | 47 mm | 29 mm | 155 mm | 255 mm |
| MASTER HPI-T Plus 250W/645 E40 1SL/12 | 47 mm | 29 mm | 155 mm | 255 mm |
| MASTER HPI-T Plus 400W/643 CL 1SL | 47 mm | 30.5 mm | 168 mm | 286 mm |
| MASTER HPI-T Plus 400W/643 E39 1SL | 47 mm | 30.5 mm | 165 mm | 283 mm |
| MASTER HPI-T Plus 400W/645 E40 1SL/12 | 47 mm | 30.5 mm | 168 mm | 286 mm |
| MASTER HPI-T Plus 400W/645 E40 1SL/12 | 47 mm | 30.5 mm | 168 mm | 286 mm |

### General Information

| | |
|---|---|
| Operating Position | P20 [Parallel +/-20D or Horizontal(HOR)] |
| Nominal lifetime | 15,000 hour(s) |

### Light Technical

| | |
|---|---|
| Color Designation | Cool White (CW) |

### Controls and Dimming

| | |
|---|---|
| Dimmable | No |

### Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Clear |
| Bulb Shape | T46 |

## General Information

| Order Code | Full Product Name | Cap-Base |
|---|---|---|
| 928076109299 | MASTER HPI-T Plus 250W/645 E40 1SL | E40 |
| 928473709299 | MASTER HPI-T Plus 400W/643 CL 1SL | E40 |
| 928481300096 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | E40 |
| 928481300097 | HPI-T Plus 250W/645 E40 1SL/12 | E40 |
| 928481300098 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | E40 |
| 928481600094 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | E40 |
| 928481600095 | HPI-T Plus 400W/645 E40 1SL/12 | E40 |
| 928481600096 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | E40 |
| 928483500191 | MASTER HPI-T Plus 400W/643 E39 1SL | E39 |

## Light Technical

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Color rendering index (CRI) |
|---|---|---|---|---|---|---|
| 928076109299 | MASTER HPI-T Plus 250W/645 E40 1SL | 365 | 377 | 4500 K | 84 lm/W | 65 |
| 928473709299 | MASTER HPI-T Plus 400W/643 CL 1SL | 369 | 375 | 4300 K | 90 lm/W | 65 |
| 928481300096 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 338 | 371 | 4500 K | 73 lm/W | 58 |
| 928481300097 | HPI-T Plus 250W/645 E40 1SL/12 | 338 | 371 | 4500 K | 73 lm/W | 58 |
| 928481300098 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 338 | 371 | 4500 K | 73 lm/W | 58 |
| 928481600094 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 373 | 368 | 4200 K | 83 lm/W | 65 |
| 928481600095 | HPI-T Plus 400W/645 E40 1SL/12 | 373 | 368 | 4200 K | 83 lm/W | 65 |
| 928481600096 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 373 | 368 | 4200 K | 83 lm/W | 65 |
| 928483500191 | MASTER HPI-T Plus 400W/643 E39 1SL | 361 | 372 | 4500 K | 83 lm/W | 69 |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption | Voltage (Nom) |
|---|---|---|---|
| 928076109299 | MASTER HPI-T Plus 250W/645 E40 1SL | 245 W | 128 V |
| 928473709299 | MASTER HPI-T Plus 400W/643 CL 1SL | 390 W | 125 V |
| 928481300096 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 247 W | 128 V |
| 928481300097 | HPI-T Plus 250W/645 E40 1SL/12 | 247 W | 128 V |
| 928481300098 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 247 W | 128 V |
| 928481600094 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 385 W | 125 V |
| 928481600095 | HPI-T Plus 400W/645 E40 1SL/12 | 385 W | 125 V |
| 928481600096 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 385 W | 125 V |
| 928483500191 | MASTER HPI-T Plus 400W/643 E39 1SL | 385 W | 125 V |

## Approval and Application

| Order Code | Full Product Name | Mercury (Hg) Content (Nom) | Energy Consumption kWh/1000 h |
|---|---|---|---|
| 928076109299 | MASTER HPI-T Plus 250W/645 E40 1SL | 33 mg | 269 kWh |
| 928473709299 | MASTER HPI-T Plus 400W/643 CL 1SL | - | 429 kWh |
| 928481300096 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 36 mg | 272 kWh |
| 928481300097 | HPI-T Plus 250W/645 E40 1SL/12 | 36 mg | 272 kWh |
| 928481300098 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 36 mg | 272 kWh |
| 928481600094 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 29.5 mg | 424 kWh |
| 928481600095 | HPI-T Plus 400W/645 E40 1SL/12 | 29.5 mg | 424 kWh |
| 928481600096 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 29.5 mg | 424 kWh |
| 928483500191 | MASTER HPI-T Plus 400W/643 E39 1SL | 29.5 mg | 420 kWh |

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