

PHILIPS

Lighting



Product Description

MASTER HPI-T Plus

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

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

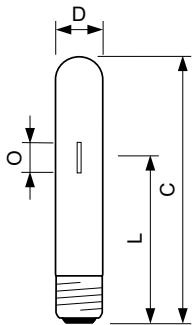
- Sports lighting, floodlighting of buildings and monuments, area lighting e.g. harbours and building sites, canopy lighting e.g. petrol stations, horticultural lighting

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 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.

MASTER HPI-T Plus

Dimensional drawing



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

| General Information | |
|------------------------|-----------------|
| Cap-Base | E40 |
| Nominal lifetime | 15,000 hour(s) |
| Operating Position | P20 |
| Light Technical | |
| Color Designation | Cool White (CW) |
| Controls and Dimming | |
| Dimmable | No |
| Mechanical and Housing | |
| Bulb Finish | Clear |
| Bulb Shape | T46 |

Light Technical

| Order Code | Full Product Name | Chromaticity | | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|------------|---------------------------------------|--------------------|--------------------|------------------------------------|-----------------------------|---------------------------------|
| | | Coordinate X (Nom) | Coordinate Y (Nom) | | | |
| 17989015 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 338 | 371 | 4500 K | 58 | 73 lm/W |
| 17990615 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 373 | 368 | 4200 K | 65 | 83 lm/W |

Operating and Electrical

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption | Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|------------|---------------------------------------|---------------|-------------------|------------|---------------------------------------|---------------|-------------------|
| 17989015 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 128 V | 247 W | 17990615 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 125 V | 385 W |

Approval and Application

| Order Code | Full Product Name | Energy Consumption | Mercury (Hg) |
|------------|---------------------------------------|--------------------|---------------|
| | | kWh/1000 h | Content (Nom) |
| 17989015 | MASTER HPI-T Plus 250W/645 E40 1SL/12 | 272 kWh | 36 mg |
| 17990615 | MASTER HPI-T Plus 400W/645 E40 1SL/12 | 424 kWh | 29.5 mg |

