# Product Description

## MASTER HPI Plus

Quartz metal halide lamps with opalized outer bulb

**Benefits**
- High safety and comfort level, maintained over life
- Minimal maintenance cost
- Initial investment saving options with "Plus"-concept and "S" and "P"-types
- Adjustable atmosphere creation by using appropriate colour temperature

**Features**
- Ovoid, internally white coated outer bulb
- Unique 3-band technology resulting in high luminous efficacy, both initially and over long lifetime
- Available in cool white and daylight colour appearance demonstrating good colour stability
- "S"-type for direct retrofit for HPL lamps
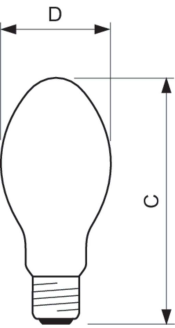- "P"-type for use without protective front shield

**Application**
- High bay lighting, e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

**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 Plus

## Dimensional drawing



| Product | D (max) | C (max) |
|---|---|---|
| MASTER HPI Plus 250W/645 BU E40 1SL/12 | 91 mm | 226 mm |
| MASTER HPI Plus 400W/645 BU E40 1SL/6 | 122 mm | 290 mm |

### General Information

| | |
|---|---|
| Cap-Base | E40 |
| Operating Position | H15 |

### Light Technical

| | |
|---|---|
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4500 K |
| Color rendering index (CRI) | 65 |

### Controls and Dimming

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

### Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Coated glass |

## Light Technical

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Luminous Efficacy (rated) (Nom) |
|---|---|---|---|---|
| 928074309891 | MASTER HPI Plus 400W/645 BU E40 1SL/6 | 367 | 374 | 80 lm/W |

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Luminous Efficacy (rated) (Nom) |
|---|---|---|---|---|
| 928076709891 | MASTER HPI Plus 250W/645 BU E40 1SL/12 | 365 | 363 | 66 lm/W |

## Operating and Electrical

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|---|---|---|---|
| 928074309891 | MASTER HPI Plus 400W/645 BU E40 1SL/6 | 125 V | 405 W |

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|---|---|---|---|
| 928076709891 | MASTER HPI Plus 250W/645 BU E40 1SL/12 | 128 V | 256 W |

## Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|---|---|---|
| 928074309891 | MASTER HPI Plus 400W/645 BU E40 1SL/6 | BD120 |

| Order Code | Full Product Name | Bulb Shape |
|---|---|---|
| 928076709891 | MASTER HPI Plus 250W/645 BU E40 1SL/12 | BD90 |

## Approval and Application

# MASTER HPI Plus

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|---|---|---|---|
| 928074309891 | MASTER HPI Plus 400W/645 BU E40 1SL/6 | 446 kWh | 67 mg |
| 928076709891 | MASTER HPI Plus 250W/645 BU E40 1SL/12 | 282 kWh | 47 mg |

www.lighting.philips.com

2023, August 2 – data subject to change