



# 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"
- Adjustable atmosphere creation by using appropriate color 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 color appearance demonstrating good color stability
- "S"-type for direct retrofit for HPL lamps

### Application

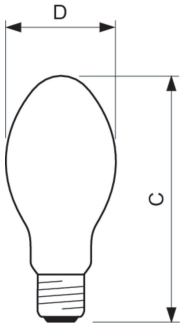
- High bay lighting, e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

### 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)
HPI PLUS 250W/645 BU E40 1CT/12	91 mm	226 mm
HPI PLUS 250W/645 BU E40 1SL/12	91 mm	226 mm
HPI PLUS 400W/645 BU E40 1SL/6	122 mm	290 mm
HPI PLUS 400W/645 BUS E40 1SL/6	122 mm	290 mm
HPI Plus 400W/645 BU E40 1CT/6	122 mm	290 mm
MASTER HPI Plus 250W/645 BU E40 1SL/12	91 mm	226 mm
MASTER HPI Plus 250W/667 BU E40 1SL/12	91 mm	226 mm
MASTER HPI Plus 400W/645 BU E40 1SL/6	122 mm	290 mm
MASTER HPI Plus 400W/667 BU E40 1SL/6	122 mm	290 mm

### General Information

Cap-Base E40

### Controls and Dimming

Dimmable No

### Mechanical and Housing

Bulb Finish Coated glass

## General Information

Order Code	Full Product Name	Operating Position
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	H15
928074409894	MASTER HPI Plus 400W/667 BU E40 1SL/6	H15
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	H15
928076809894	MASTER HPI Plus 250W/667 BU E40 1SL/12	H15
928481100094	HPI PLUS 400W/645 BU E40 1SL/6	H

Order Code	Full Product Name	Operating Position
928481100096	HPI Plus 400W/645 BU E40 1CT/6	H
928481200093	HPI PLUS 400W/645 BUS E40 1SL/6	H
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	H
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	H

## Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	367	374	Cool White (CW)	4500 K	65	80 lm/W
928074409894	MASTER HPI Plus 400W/667 BU E40 1SL/6	310	341	Daylight	6700 K	60	80 lm/W
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	365	363	Cool White (CW)	4500 K	65	66 lm/W
928076809894	MASTER HPI Plus 250W/667 BU E40 1SL/12	308	318	Daylight	6700 K	69	72 lm/W
928481100094	HPI PLUS 400W/645 BU E40 1SL/6	367	374	Cool White (CW)	4500 K	65	80 lm/W
928481100096	HPI Plus 400W/645 BU E40 1CT/6	367	374	Cool White (CW)	4500 K	65	80 lm/W
928481200093	HPI PLUS 400W/645 BUS E40 1SL/6	367	374	Cool White (CW)	4500 K	65	79 lm/W
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	359	354	Cool White (CW)	4500 K	65	66 lm/W
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	359	354	Cool White (CW)	4500 K	65	66 lm/W

## Operating and Electrical

# MASTER HPI Plus

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	125 V	405 W
928074409894	MASTER HPI Plus 400W/667 BU E40 1SL/6	125 V	405 W
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	128 V	256 W
928076809894	MASTER HPI Plus 250W/667 BU E40 1SL/12	128 V	253.0 W
928481100094	HPI PLUS 400W/645 BU E40 1SL/6	125 V	405 W

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928481100096	HPI Plus 400W/645 BU E40 1CT/6	125 V	405 W
928481200093	HPI PLUS 400W/645 BUS E40 1SL/6	125 V	405 W
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	128 V	256 W
928481400096	HPI PLUS 250W/645 BU E40 1CT/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
928074409894	MASTER HPI Plus 400W/667 BU E40 1SL/6	BD120
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	BD90
928076809894	MASTER HPI Plus 250W/667 BU E40 1SL/12	BD90
928481100094	HPI PLUS 400W/645 BU E40 1SL/6	BD120

Order Code	Full Product Name	Bulb Shape
928481100096	HPI Plus 400W/645 BU E40 1CT/6	BD120
928481200093	HPI PLUS 400W/645 BUS E40 1SL/6	BD120
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	BD90
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	BD90

## Approval and Application

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
928074409894	MASTER HPI Plus 400W/667 BU E40 1SL/6	434 kWh	67 mg
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	282 kWh	47 mg
928076809894	MASTER HPI Plus 250W/667 BU E40 1SL/12	278 kWh	47 mg
928481100094	HPI PLUS 400W/645 BU E40 1SL/6	434 kWh	67 mg
928481100096	HPI Plus 400W/645 BU E40 1CT/6	434 kWh	67 mg
928481200093	HPI PLUS 400W/645 BUS E40 1SL/6	434 kWh	67 mg

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	278 kWh	47 mg
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	278 kWh	47 mg

