PHILIPS

MASTER HPI Plus

DHPIP



Product Description

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

Applications

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

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

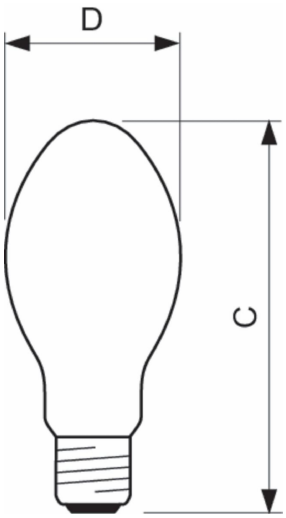
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury or sodium lamps
- A lamp breaking is extremely unlikely to have any 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

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 1CT/6	122 mm	290 mm
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

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

General Information

Order Code	Full Product Name	Operating Position
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	H15
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	H15
928481100096	HPI Plus 400W/645 BU E40 1CT/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)	Luminous Efficacy (rated) (Nom)
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	367	374	80 lm/W
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	365	363	66 lm/W
928481100096	HPI Plus 400W/645 BU E40 1CT/6	367	374	80 lm/W
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	359	354	66 lm/W
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	359	354	66 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	405 W	125 V
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	256 W	128 V
928481100096	HPI Plus 400W/645 BU E40 1CT/6	405 W	125 V
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	256 W	128 V
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	256 W	128 V

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	BD120
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	BD90
928481100096	HPI Plus 400W/645 BU E40 1CT/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	Mercury (Hg) Content (Nom)	Energy Consumption kWh/1000 h
928074309891	MASTER HPI Plus 400W/645 BU E40 1SL/6	67 mg	446 kWh
928076709891	MASTER HPI Plus 250W/645 BU E40 1SL/12	47 mg	282 kWh
928481100096	HPI Plus 400W/645 BU E40 1CT/6	67 mg	434 kWh
928481400094	HPI PLUS 250W/645 BU E40 1SL/12	47 mg	278 kWh
928481400096	HPI PLUS 250W/645 BU E40 1CT/12	47 mg	278 kWh

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