PHILIPS Lighting



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

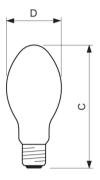
• High bay lighting, e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

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

		Chromaticity	Chromaticity	Luminous			Chromaticity	Chromaticity	Luminous
		Coordinate X	Coordinate Y	Efficacy			Coordinate X	Coordinate Y	Efficacy
Order Code	Full Product Name	(Nom)	(Nom)	(rated) (Nom)	Order Code	Full Product Name	(Nom)	(Nom)	(rated) (Nom)
928074309891	MASTER HPI Plus	367	374	80 lm/W	928076709891	MASTER HPI Plus	365	363	66 lm/W
	400W/645 BU E40					250W/645 BU E40			
	1SL/6					1SL/12			

Operating and Electrical

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

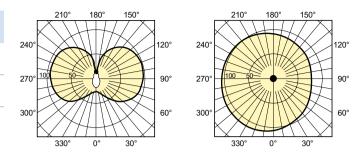
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	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

Approval and Application

MASTER HPI Plus

		Energy Consumption	Mercury (Hg)
Order Code	Full Product Name	kWh/1000 h	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





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www.lighting.philips.com 2023, August 2 - data subject to change