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"
- 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

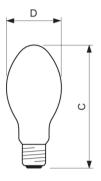
• High bay lighting, e.g. industrial workshops, exhibition halls, hypermarkets, shopping malls, DIY stores, churches, airports and train stations

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) |
|--|---------|---------|
| 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 |
| Operating Position | H15 |
| | |
| Controls and Dimming | |
| Dimmable | No |
| | |
| Mechanical and Housing | |
| Bulb Finish | Coated glass |

Light Technical

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

Operating and Electrical

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

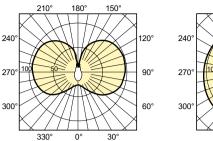
Mechanical and Housing

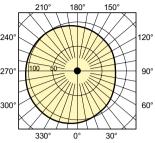
| Order Code | Full Product Name | Bulb Shape | Order Code | Full Product Name | Bulb Shape |
|--------------|---------------------------------------|------------|--------------|--|------------|
| 928074309891 | MASTER HPI Plus 400W/645 BU E40 1SL/6 | BD120 | 928076709891 | MASTER HPI Plus 250W/645 BU E40 1SL/12 | BD90 |
| 928074409894 | MASTER HPI Plus 400W/667 BU E40 1SL/6 | BD120 | 928076809894 | MASTER HPI Plus 250W/667 BU E40 1SL/12 | BD90 |
| | | | | | |

MASTER HPI Plus

Approval and Application

| | | Energy | | |
|--------------|--------------------------|------------------|---------------|--|
| | | Consumption kWh/ | Mercury (Hg) | |
| Order Code | Full Product Name | 1000 h | Content (Nom) | |
| 928074309891 | MASTER HPI Plus 400W/645 | 446 kWh | 67 mg | |
| | BU E40 1SL/6 | | | |
| 928074409894 | MASTER HPI Plus 400W/667 | 434 kWh | 67 mg | |
| | BU E40 1SL/6 | | | |
| 928076709891 | MASTER HPI Plus 250W/645 | 282 kWh | 47 mg | |
| | BU E40 1SL/12 | | | |
| 928076809894 | MASTER HPI Plus 250W/667 | 278 kWh | 47 mg | |
| | BU E40 1SL/12 | | | |







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.

www.lighting.philips.com 2023, May 11 - data subject to change