



MASTER HPI Plus

MASTER HPI Plus 250W/645 BU E40 1SL/12

Quartz metal halide lamps with opalized outer bulb

Product data

General Information

Cap-Base	E40 [E40]
Operating Position	H [Hanging or Base Up (BU)]
Life To 5% Failures (Nom)	5000 h
Life To 20% Failures (Nom)	10000 h
Life To 50% Failures (Min)	10000 h
Life To 50% Failures (Nom)	20000 h
System Description	Base-Up

Light Technical

Color Code	645 [CCT of 4500K]
Luminous Flux (Rated) (Min)	17000 lm
Luminous Flux (Rated) (Nom)	18000 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Nom)	75 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	90 %
Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	359
Chromaticity Coordinate Y (Nom)	354
Correlated Color Temperature (Nom)	4500 K

Luminous Efficacy (rated) (Nom)	72 lm/W
Color Rendering Index (Nom)	65

Operating and Electrical

Power (Rated) (Min)	253.0 W
Power (Rated) (Nom)	250 W
Lamp Current Run-Up (Max)	3.9 A
Lamp Current (EM) (Nom)	2.2 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	750 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	10 s
Voltage (Max)	138 V
Voltage (Min)	118 V
Voltage (Nom)	128 V

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

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

Approval and Application

Energy Efficiency Label (EEL)	A
-------------------------------	---

MASTER HPI Plus

Mercury (Hg) Content (Nom)	47 mg
Energy Consumption kWh/1000 h	278 kWh

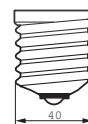
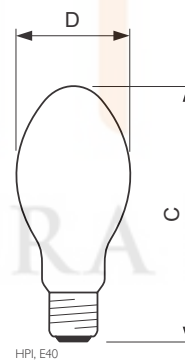
Luminaire Design Requirements

Bulb Temperature (Max)	350 °C
Cap-Base Temperature (Max)	250 °C

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

Dimensional drawing



HPI Plus 250W/645 BU E40

Product	D	C
MASTER HPI Plus 250W/645 BU E40 1SL/12	91 mm	226 mm

Product Data

Full product code	871150020343415
Order product name	MASTER HPI Plus 250W/645 BU E40 1SL/12
EAN/UPC - Product Order code	8711500203434
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928481400092
Net Weight (Piece)	0.185 kg

- 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.

PHILIPS