



# MASTER HPI Plus

## HPI PLUS 400W/645 BU E40 1SL/6

Quartz metal halide lamps with opalized outer bulb

### 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.

### 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 10% Failures (Nom)	7500 h
Life to 20% Failures (Nom)	11000 h
Life to 50% Failures (Nom)	20000 h
System Description	Base-Up

Light Technical	
Color Code	645 [ CCT of 4500K]
Luminous Flux (Rated) (Min)	30000 lm
Luminous Flux (Rated) (Nom)	32500 lm
Color Designation	Cool White (CW)
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	90 %
Lumen Maintenance 20000 h	60 %

Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	80 %
Chromaticity Coordinate X (Nom)	367
Chromaticity Coordinate Y (Nom)	374
Correlated Color Temperature (Nom)	4500 K
Luminous Efficacy (rated) (Nom)	80 lm/W
Color Rendering Index (Nom)	65

Operating and Electrical	
Power (Nom)	405 W
Lamp Current Run-Up (Max)	6 A
Lamp Current (EM) (Nom)	3.4 A
Ignition Supply Voltage (Max)	198 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	10 s
Voltage (Max)	135 V
Voltage (Min)	115 V

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Voltage (Nom)	125 V
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Coated glass
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## Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	67 mg
Energy Consumption kWh/1000 h	434 kWh

## Luminaire Design Requirements

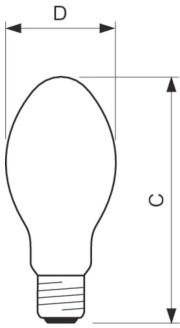
Bulb Temperature (Max)	350 °C
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Cap-Base Temperature (Max)	250 °C
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## Product Data

Full product code	692059027270700
Order product name	HPI PLUS 400W/645 BU E40 1SL/6
EAN/UPC - Product	6920590272707
Order code	928481100094
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	928481100094
Net Weight (Piece)	0.252 kg

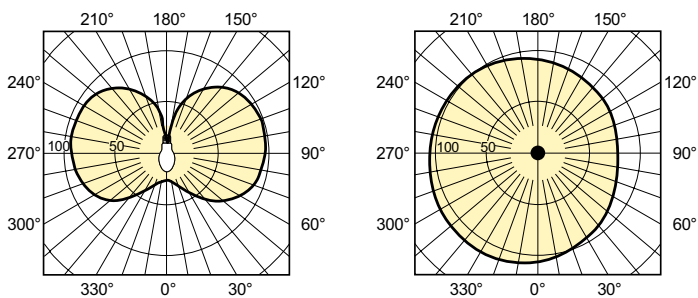
## Dimensional drawing



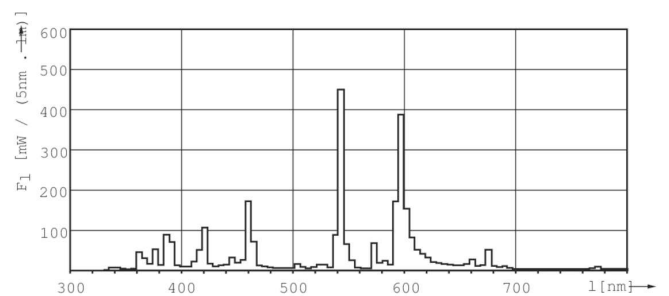
HPI Plus 400W/645 BU E40

Product	D (max)	C (max)
HPI PLUS 400W/645 BU E40 1SL/6	122 mm	290 mm

## Photometric data



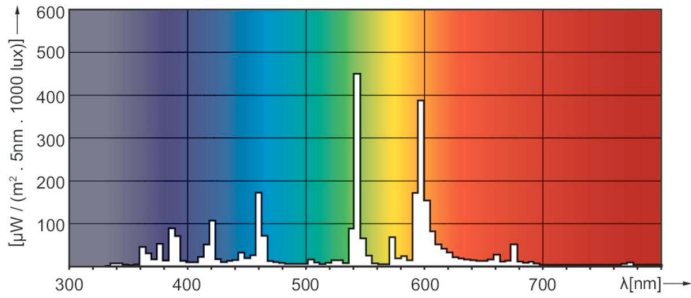
LDLD\_HPI-Light distribution diagram



LDPB\_HPI\_Plus\_250W\_400W-Spectral power distribution B/W

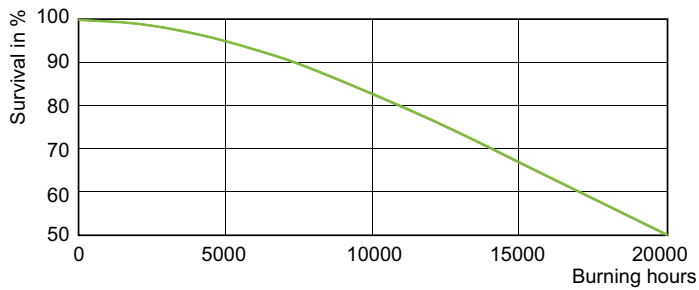
# MASTER HPI Plus

## Photometric data

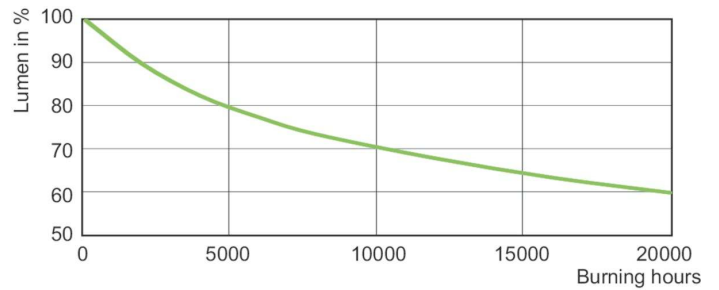


LDPO\_HPI\_Plus\_250W\_400W-Spectral power distribution Colour

## Lifetime



LDLE\_HPI\_250W\_400W-Life expectancy diagram



LDLM\_HPI\_250W\_400W-Lumen maintenance diagram

