



# MASTER HPI Plus

## MASTER 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		Operating and electrical	
Cap-Base	E40 [ E40]	Luminous Flux (Rated) (Nom)	32500 lm
Operating Position	H15 [ Hanging +/-15D or Base Up (BU)]	Color Designation	Cool White (CW)
Life to 5% Failures (Nom)	5000 h	Chromaticity Coordinate X (Nom)	367
Life To 10% Failures (Nom)	7500 h	Chromaticity Coordinate Y (Nom)	374
Life to 20% Failures (Nom)	11000 h	Correlated Color Temperature (Nom)	4500 K
Life to 50% Failures (Nom)	20000 h	Luminous Efficacy (rated) (Nom)	80 lm/W
System Description	Base-Up	Color Rendering Index (Nom)	65
LSF 2000 h Rated	99 %	LLMF 2000 h Rated	90 %
LSF 4000 h Rated	96 %	LLMF 4000 h Rated	82 %
LSF 6000 h Rated	93 %	LLMF 6000 h Rated	77 %
LSF 8000 h Rated	88 %	LLMF 8000 h Rated	73 %
LSF 12000 h Rated	76 %	LLMF 12000 h Rated	68 %
LSF 16000 h Rated	63 %	LLMF 16000 h Rated	63 %
LSF 20000 h Rated	50 %	LLMF 20000 h Rated	60 %
		Ratio Scotopic/Photopic Lumens	1.50
Color Code	645 [ CCT of 4500K]	Power (Nom)	405 W

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Lamp Current Run-Up (Max)	6 A
Lamp Current (EM) (Nom)	3.4 A
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	30 s
Voltage (Max)	135 V
Voltage (Min)	115 V
Voltage (Nom)	125 V

## Controls and dimming

Dimmable	No
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## Mechanical and housing

Bulb Finish	Coated glass
Bulb Shape	BD120 [ BD 120mm]

## Approval and application

Mercury (Hg) Content (Nom)	67 mg
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Energy Consumption kWh/1000 h	446 kWh
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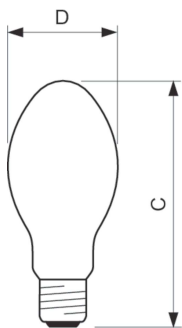
## Luminaire design requirements

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

## Product data

Full product code	871150018252410
Order product name	MASTER HPI Plus 400W/645 BU E40 1SL/6
EAN/UPC - Product	8711500182524
Order code	928074309891
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	928074309891
Net Weight (Piece)	259.000 g
ILCOS Code	ME-400/45/2A-H-E40-/V

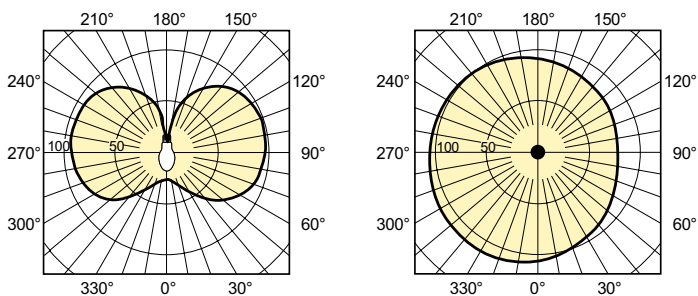
## Dimensional drawing



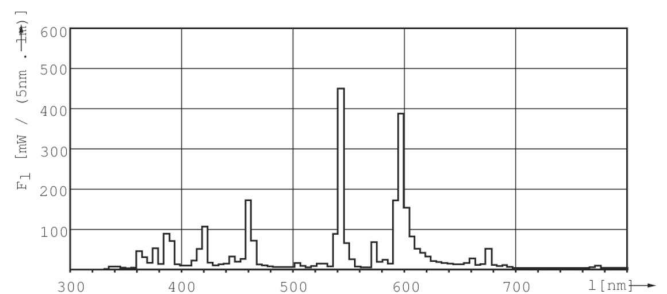
MASTER HPI Plus 400W/645 BU E40 1SL/6

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

## Photometric data



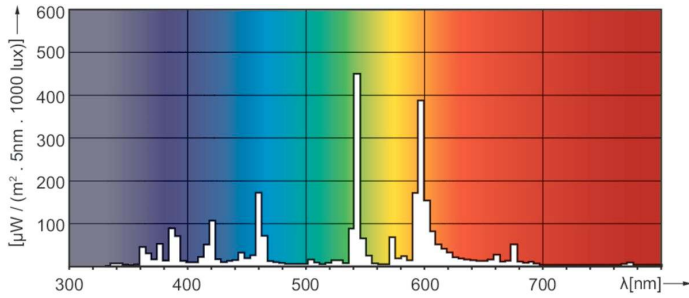
LDLD\_HPI-Light distribution diagram



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

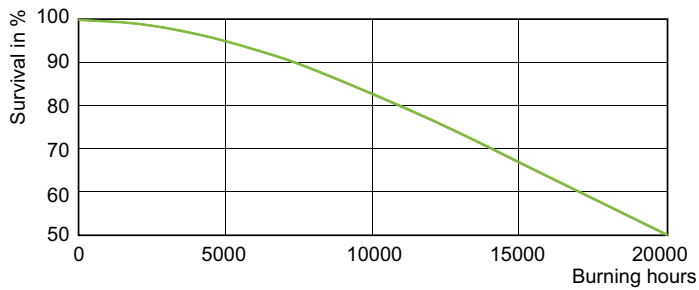
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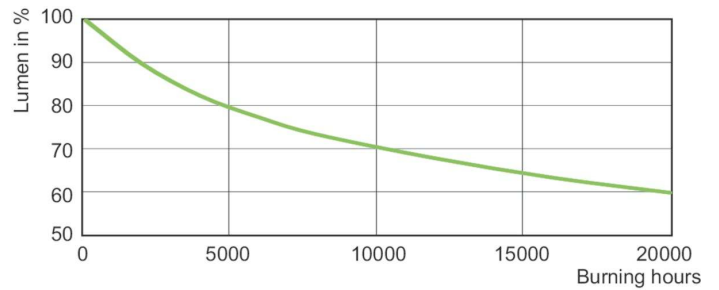


LDPO\_HPI\_Plus\_250W\_400W-Spectral power distribution Colour

## Lifetime



LDLE\_HPI\_250W\_400W-Life expectancy diagram



LDLM\_HPI\_250W\_400W-Lumen maintenance diagram

