



# MASTER HPI Plus

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

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]	Luminous Flux (Rated) (Min)	15300 lm
Operating Position	H15 [ Hanging +/-15D or Base Up (BU)]	Luminous Flux (Rated) (Nom)	17000 lm
Life to 5% Failures (Nom)	5000 h	Colour Designation	Cool White (CW)
Life To 10% Failures (Nom)	7500 h	Chromaticity Coordinate X (Nom)	365
Life to 20% Failures (Nom)	11000 h	Chromaticity Coordinate Y (Nom)	363
Life to 50% Failures (Nom)	20000 h	Colour Temperature, horizontal (Nom)	4500 K
System Description	Base-Up	Luminous Efficacy (rated) (Nom)	66 lm/W
LSF 2000 h Rated	99 %	Colour Rendering Index horiz (Nom)	65
LSF 4000 h Rated	96 %	Depreciation 2000 hrs	90 %
LSF 6000 h Rated	93 %	LLMF 4000 h Rated	82 %
LSF 8000 h Rated	88 %	Depreciation 5000 hrs	77 %
LSF 12000 h Rated	76 %	LLMF 8000 h Rated	73 %
LSF 16000 h Rated	63 %	LLMF 12000 h Rated	68 %
LSF 20000 h Rated	50 %	LLMF 16000 h Rated	63 %
		LLMF 20000 h Rated	60 %
		Ratio Scotopic/Photopic Lumens	1.50
Light Technical			
Colour Code	645 [ CCT of 4500K]		

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## Operating and Electrical

Power (Rated) (Nom)	256 W
Lamp Current Run-Up (Max)	3.9 A
Lamp Current (EM) (Nom)	2.2 A
Ignition Peak Voltage (Max)	5000 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	30 s
Voltage (Max)	138 V
Voltage (Min)	118 V
Voltage (Nom)	128 V

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Coated glass
Bulb Shape	BD90 [ BD 90mm]

## Approval and Application

Mercury (Hg) Content (Nom)	47 mg
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Energy Consumption kWh/1000 h	282 kWh
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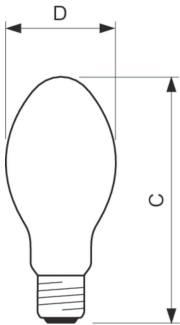
## Luminaire Design Requirements

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

## Product Data

Full product code	871150018114515
Order product name	MASTER HPI Plus 250W/645 BU E40 1SL/12
EAN/UPC - Product	8711500181145
Order code	18114515
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928076709891
Net Weight (Piece)	0.168 kg
ILCOS Code	ME-250/45/2A-H-E40-/V

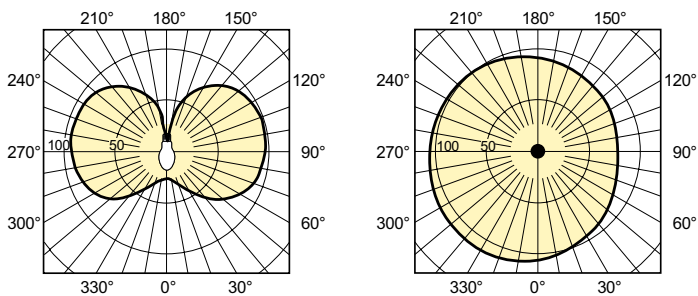
## Dimensional drawing



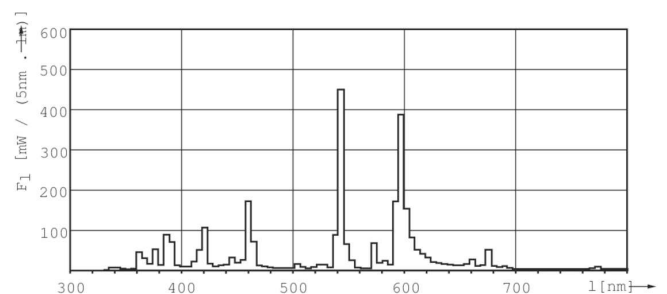
HPI Plus 250W/645 BU E40

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

## Photometric data



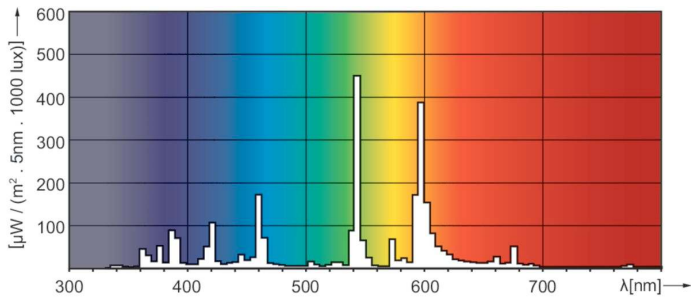
LDLD\_HPI-Light distribution diagram



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

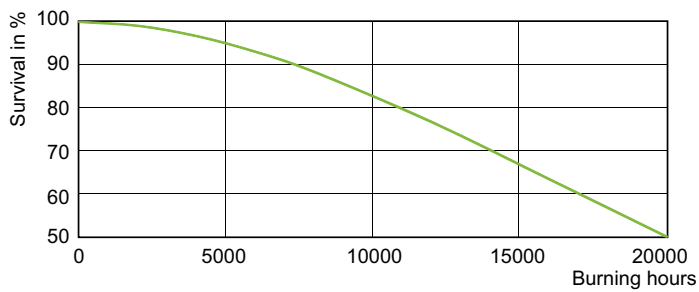
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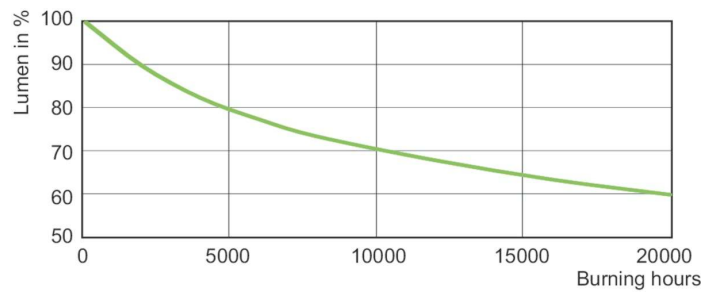


LDPO\_HPI\_Plus\_250W\_400W-Spectral power distribution Colour

## Lifetime



LDLE\_HPI\_250W\_400W-Life expectancy diagram



LDLM\_HPI\_250W\_400W-Lumen maintenance diagram

