

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	H15 [Hanging +/-15D 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
LSF 2000 h Rated	99 %
LSF 4000 h Rated	96 %
LSF 6000 h Rated	93 %
LSF 8000 h Rated	88 %
LSF 12000 h Rated	76 %
LSF 16000 h Rated	63 %
LSF 20000 h Rated	50 %

Light Technical	
Color Code	645 [CCT of 4500K]
Luminous Flux (Rated) (Nom)	18000 lm
Color Designation	Cool White (CW)
Chromaticity Coordinate X (Nom)	365
Chromaticity Coordinate Y (Nom)	363
Correlated Color Temperature (Nom)	4500 K
Luminous Efficacy (Rated) (Nom)	72 lm/W
Color Rendering Index (Nom)	65
LLMF 2000 h Rated	90 %
LLMF 4000 h Rated	82 %
LLMF 6000 h Rated	77 %
LLMF 8000 h Rated	73 %
LLMF 12000 h Rated	68 %
LLMF 16000 h Rated	63 %
LLMF 20000 h Rated	60 %
Ratio Scotopic/Photopic Lumens	1.50

Operating and Electrical	
Power (Rated) (Nom)	253.0 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

Mechanical and Housing	
Bulb Finish	Coated glass

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Approval and Application	
Energy Efficiency Label (EEL)	A
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

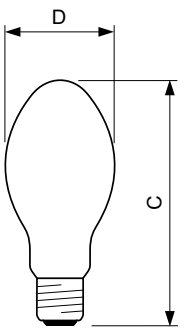
Product Data	
Full product code	871150018114515

Order product name	MASTER HPI Plus 250W/645 BU E40 1SL/12
EAN/UPC - Product	8711500181145
Order code	928076709891
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

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.

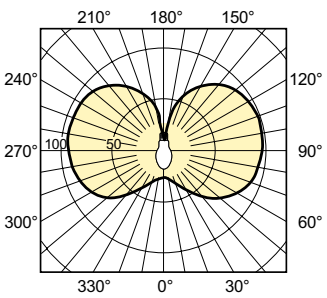
Dimensional drawing



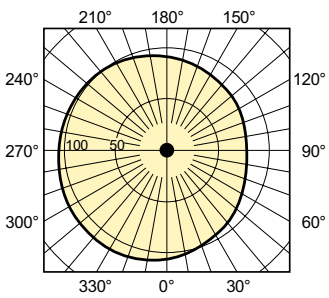
HPI Plus 250W/645 BU E40

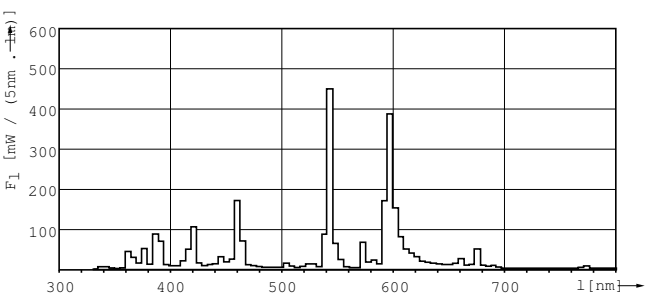
Product	D (max)	C (max)
MASTER HPI Plus 250W/645 BU E40 1SL/12	91 mm	226 mm

Photometric data



HPI

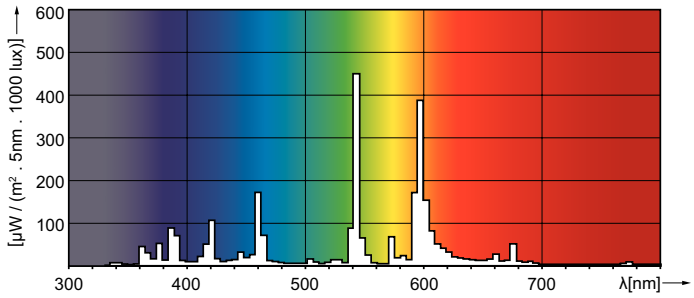




HPI Plus 250W & 400W

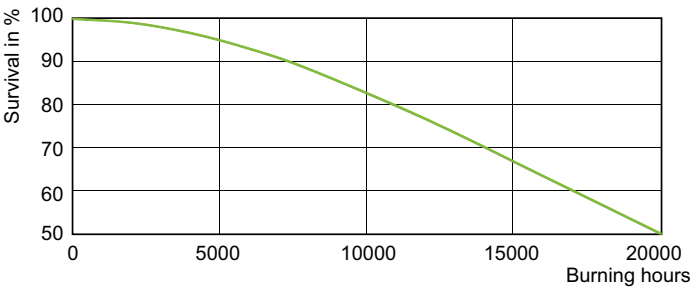
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Photometric data

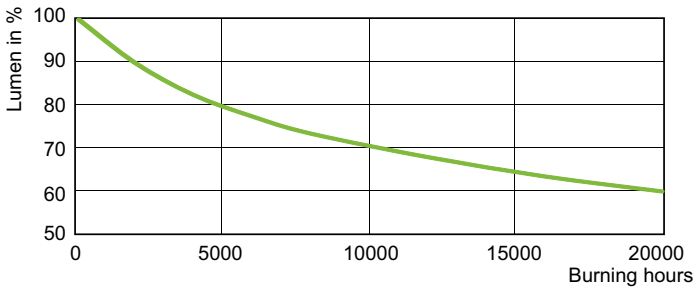


HPI Plus 250W & 400W

Lifetime



HPI 250 W, 400 W Life Expectancy



HPI 250 W, 400 W Lumen Maintenance

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