

MASTER HPI Plus

MASTER HPI Plus 250W/645 BU-P 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/Protected
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	
Colour code	645 [CCT of 4500K]
Luminous flux (rated) (nom.)	18000 lm
Colour designation	Cool White (CW)
Chromaticity coordinate X (nom.)	365
Chromaticity coordinate Y (nom.)	363
Correlated colour 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 supply voltage (max.)	198 V
Ignition peak voltage (max.)	5000 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

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Mechanical and Housing	
Bulb finish	Coated [Coated glass (CO)]

Approval and Application	
Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	46.5 mg
Energy Consumption kWh/1000 h	278 kWh

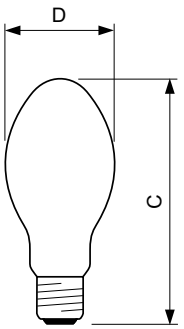
Luminaire Design Requirements	
Bulb temperature (max.)	260 °C
Cap base temperature (max.)	250 °C

Product Data	
Full product code	871150021147715
Order product name	MASTER HPI Plus 250W/645 BU-P E40 1SL/12
EAN/UPC – product	8711500211477
Order code	21147715
Numerator – quantity per pack	1
Numerator – packs per outer box	12
Material no. (12NC)	928410800027
Net weight (piece)	220.000 g
ILCOS Code	ME/S-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.

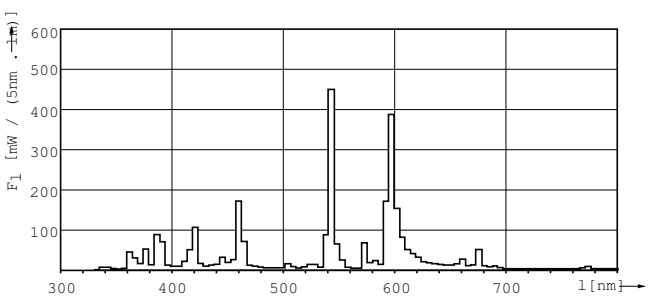
Dimensional drawing

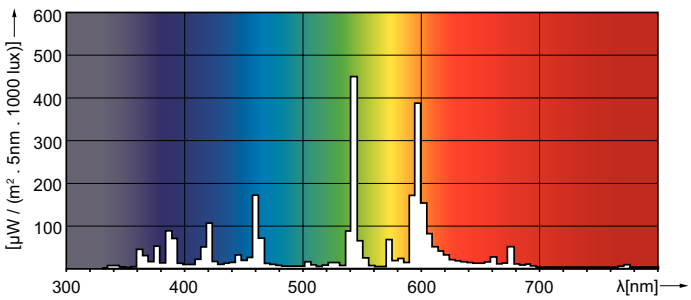


HPI Plus 250W/645 BU-P E40

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

Photometric data







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2017, May 11 - data subject to change