



MASTER HPI Plus

MASTER HPI Plus 250W/745 BU-P E40 1SL

Quartz metal halide lamps with opalized outer bulb

Product data

• General Characteristics

System Description	Base-Up/Protected
Cap-Base	E40
Bulb	ED-28
Bulb Finish	Coated
Operating Position	h15 [Hanging +/-15D or Base Up (BU)]
Life to 5% failures	5000 hr
Life to 10% failures	7500 hr
Life to 20% failures	11000 hr
Life to 50% failures	20000 hr
LSF EM 20000h	50 %
Rated,12h cycle	
LSF EM 16000h	63 %
Rated,12h cycle	
LSF EM 12000h	76 %
Rated,12h cycle	
LSF EM 8000h Rated, 12h cycle	88 %
LSF EM 6000h Rated, 12h cycle	93 %
LSF EM 4000h Rated, 12h cycle	96 %
LSF EM 2000h Rated, 12h cycle	99 %

• Light Technical Characteristics

Color Code	745 [CCT of 4500K]
Color Rendering Index	69 Ra8
Color Designation (text)	Cool White
Color Temperature	4500 K
Color Temperature Technical	4380 K

Chromaticity Coordinate X	365 -
Chromaticity Coordinate Y	363 -
Lum Efficacy Rated EM 25°C	72 Lm/W
LLMF EM 20000h	60 %
Rated	
LLMF EM 16000h	63 %
Rated	
LLMF EM 12000h	68 %
Rated	
LLMF EM 8000h	73 %
Rated	
LLMF EM 6000h	77 %
Rated	
LLMF EM 4000h	82 %
Rated	
LLMF EM 2000h	90 %
Rated	
Luminous Flux EM 25°C, Rated	18000 Lm

• Electrical Characteristics

Lamp Wattage	250 W
Lamp Voltage	128 V
Lamp Current EM	2.2 A
Dimmable	No
Lamp Wattage EM 25°C, Rated	253 W
Lamp Wattage EM 25°C, Nominal	250 W

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MASTER HPI Plus

• Environmental Characteristics

Mercury (Hg) Content	47 mg
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• Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	260 (max) C

• Product Dimensions

Overall Length C	226 (max) mm
Diameter D	91 (max) mm

• Product Data

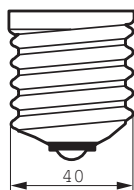
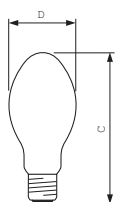
Order code	928410800027
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Full product code	928410800027
Full product name	MASTER HPI Plus 250W/745 BU-P E40 1SL
Order product name	MASTER HPI Plus 250W/745 BU-P E40 1SL/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500211477
Bar code on outerbox - EAN3	8711500211484
Logistic code(s) - 12NC	928410800027
ILCOS code	ME/S-250/45/2A-H-E40-/V
Net weight per piece	256.170 gr

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

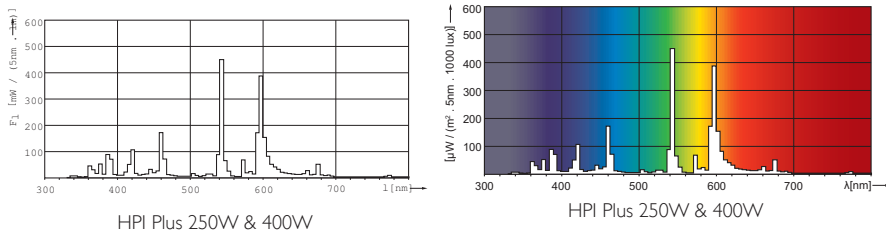
Dimensional drawing



HPI, E40

Product	C (Max)	D (Max)
HPI Plus 250W/745 BU-P E40	218	90

Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

- a) Nominal and rated lamp wattage;
- b) Nominal and rated lamp luminous flux;
- c) Rated lamp efficacy at 100 h in standard conditions.
- d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
- f) Lamp mercury content as XX mg;
- g) Colour Rendering Index (Ra) of the lamp;
- h) Colour temperature of the lamp;
- i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

For more information see <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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data subject to change