



# MASTER HPI Plus

MASTER HPI Plus 400W/645 BU E40 1SL

Quartz metal halide lamps with opalized outer bulb

## Product data

### • General Characteristics

System Description	Base-Up
Cap-Base	GES [GES]
Bulb	BD120 [BD 120mm]
Bulb Finish	Coated
Burning 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 2000h Rated, 12h cycle	99 %
LSF EM 4000h Rated, 12h cycle	96 %
LSF EM 6000h Rated, 12h cycle	93 %
LSF EM 8000h Rated, 12h cycle	88 %
LSF EM 12000h Rated, 12h cycle	76 %
LSF EM 16000h Rated, 12h cycle	63 %
LSF EM 20000h Rated, 12h cycle	50 %

### • Light Technical Characteristics

Colour Code	645 [CCT of 4500K]
Colour Rendering Index	65 Ra8
Colour Designation	Cool White
Colour Temperature	4500 K
Colour Temperature Technical	4370 K
Luminous Flux EM 25°C, Rated	32500 Lm

Lum Efficacy Rated EM 25°C	82 Lm/W
LLMF EM 2000h Rated	90 %
LLMF EM 4000h Rated	82 %
LLMF EM 6000h Rated	77 %
LLMF EM 8000h Rated	73 %
LLMF EM 12000h Rated	68 %
LLMF EM 16000h Rated	63 %
LLMF EM 20000h Rated	60 %
Chromaticity Coordinate X	367 -
Chromaticity Coordinate Y	374 -

### • Electrical Characteristics

Lamp Wattage	400 W
Lamp Wattage EM 25°C, Nominal	400.0 W
Lamp Wattage EM 25°C, Rated	395.0 W
Lamp Voltage	125 V
Lamp Current EM	3.4 A
Ignition Time	30 (max) s
Dimmable	no
Ratio scotopic/photopic lumens	1.50 -

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# MASTER HPI Plus

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	67 mg
Energy consumption kWh/1000h	434 kWh

## • Luminaire Design Requirements

Cap-Base Temperature	250 (max) C
Bulb Temperature	350 (max) C

## • Product Dimensions

Overall Length C	284 (max) mm
Diameter D	122 (max) mm

## • Product Data

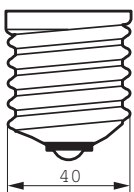
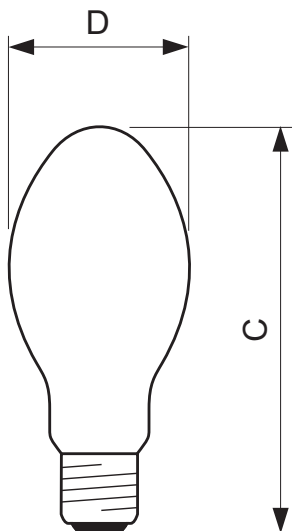
Order code	182524 10
Full product code	871150018252410
Full product name	MASTER HPI Plus 400W/645 BU E40 1SL
Order product name	MASTER HPI Plus 400W/645 BU E40 1SL/6
Pieces per pack	1
Packing configuration	6
Packs per outerbox	6
Bar code on pack - EAN1	8711500182524
Bar code on outerbox - EAN3	8711500182531
Logistic code(s) - 12NC	928074309891
ILCOS code	ME-400/45/2A-H-E40-/V
Net weight per piece	267.000 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

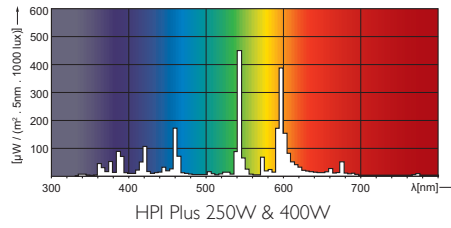
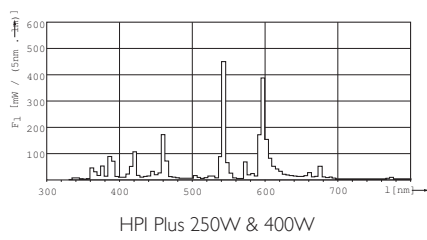


E40

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

Product	C (Max)	D (Max)
HPI Plus 400W/645 BU E40	284	121.5

## Photometric data



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2014, June 28  
data subject to change