



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	E40
Bulb	BD120 [BD 120mm]
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 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

Color Code	645 [CCT of 4500K]
Color Rendering Index	65 Ra8
Color Designation (text)	Cool White
Color Temperature	4500 K
Color 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 -

PHILIPS

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

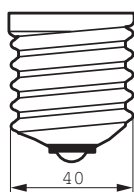
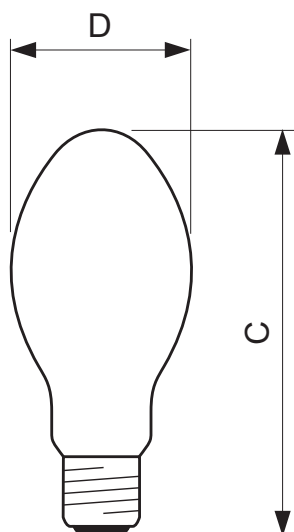
Order code	928074309891
Full product code	928074309891
Full product name	MASTER HPI Plus 400W/645 BU E40 1SL
Order product name	MASTER HPI Plus 400W/645 BU E40 1SL/6
Pieces per pack	1
Packing configuration	6
Packs per outerbox	6
Bar code on pack - EAN1	8711500182524
Bar code on outerbox - EAN3	8711500182531
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

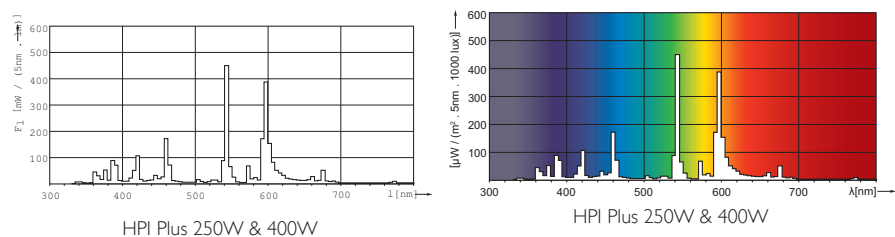


E40

MASTER HPI Plus 400W/645 BU E40 1SL

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

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, June 28
data subject to change