



MASTER HPI Plus

MASTER HPI Plus 400W/645 BU E40 1SL/6

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	
Colour code	645 [CCT of 4500K]
Luminous flux (rated) (nom.)	32500 lm
Colour designation	Cool White (CW)
Chromaticity coordinate X (nom.)	367
Chromaticity coordinate Y (nom.)	374
Correlated colour temperature (nom.)	4500 K
Luminous efficacy (rated) (nom.)	82 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)	395.0 W
Lamp current run-up (max.)	6 A
Lamp current (EM) (nom.)	3.4 A
Ignition peak voltage (max.)	5000 V
Ignition supply voltage (min.)	198 V
Ignition time (max.)	30 s
Voltage (Max)	135 V
Voltage (Min)	115 V
Voltage (Nom)	125 V

Controls and Dimming	
Dimmable	no

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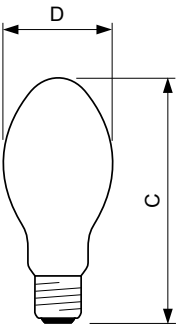
Mechanical and Housing	
Bulb finish	Coated [Coated glass (CO)]
Approval and Application	
Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	67 mg
Energy Consumption kWh/1000 h	434 kWh
Luminaire Design Requirements	
Bulb temperature (max.)	350 °C
Cap base temperature (max.)	250 °C
Product Data	
Full product code	871150018252410

Order product name	MASTER HPI Plus 400W/645 BU E40 1SL/6
EAN/UPC – product	8711500182524
Order code	18252410
Local Code	400HPIPLUSBU
Numerator – quantity per pack	1
Numerator – packs per outer box	6
Material no. (12NC)	928074309891
Net weight (piece)	259.000 g
ILCOS Code	ME-400/45/2A-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.

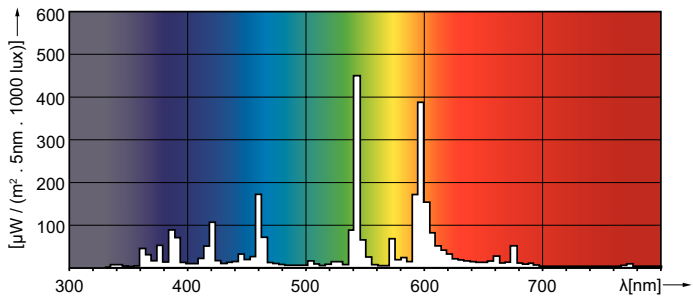
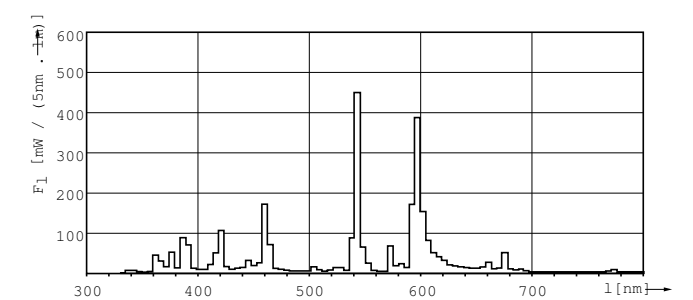
Dimensional drawing



HPI Plus 400W/645 BU E40

Product	D (max)	C (max)
MASTER HPI Plus 400W/645 BU E40 1SL/6	121.5 mm	284 mm

Photometric data



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