

MASTER HPI-T Plus ^{SHOP220}

MASTER HPI-T Plus 400W/645 E40

Quartz metal halide lamps with clear outer bulb



Product data

• General Characteristics

System Description	na [-]
Cap-Base	E40
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Operating Position	p20 [Parallel +/-20D or Horizontal(HOR)]
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	4560 K

Luminous Flux EM 25°C, Rated	32000 Lm
Lum Efficacy Rated EM 25°C	84 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	361 -
Chromaticity Coordinate Y	372 -

• Electrical Characteristics

Lamp Wattage	400 W
Lamp Wattage EM 25°C, Nominal	400 W
Lamp Wattage EM 25°C, Rated	382 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

sense and simplicity

MASTER HPI-T Plus

• Environmental Characteristics

Mercury (Hg) Content 27 mg

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
Bulb Temperature 600 (max) C

• Product Dimensions

Overall Length C 286 (max) mm
Diameter D 47 (max) mm
Light Center Length L 172 mm
Arc Length O 40 mm

• Product Data

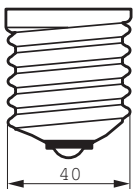
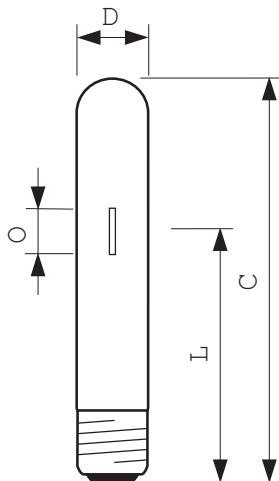
Order code 928073709278
Full product code 928073709278
Full product name MASTER HPI-T Plus 400W/645 E40
Order product name MASTER HPI-T Plus 400W/645 E40
Pieces per pack 1
Packing configuration 80
Packs per outerbox 80
Bar code on pack - EAN1 8711500179906
Bar code on outerbox - EAN3 8711500210883
Logistic code(s) - 12NC 928073709278
ILCOS code MT-400/45/2B-H-E40-/H
Net weight per piece 0.180 kg

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

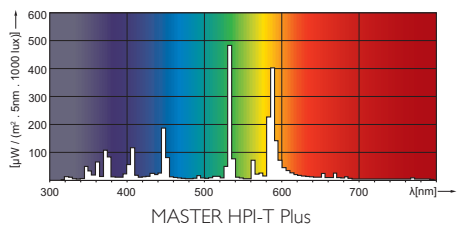


E40

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Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T Plus 400W/645 E40	286	47	180	40

Photometric data



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data subject to change