



MASTER HPI-T Plus

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

Buy Lamps and Electronic Ballast from Solarpowergetics

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

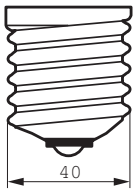
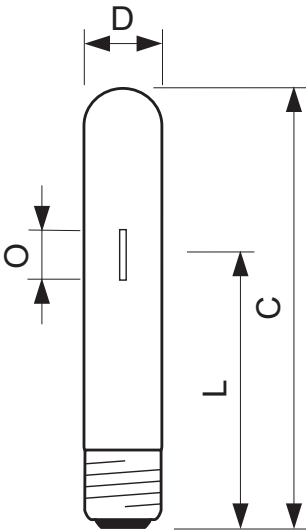
Order code 928073709278
Full product code 928073709278
Full product name MASTER HPI-T Plus 400W/645 E40
Order product name MASTER HPI-T Plus 400W/645 E40
Pieces per pack 1
Packing configuration 80
Packs per outerbox 80
Bar code on pack - EAN1 8711500179906
Bar code on outerbox - EAN3 8711500210883
Logistic 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

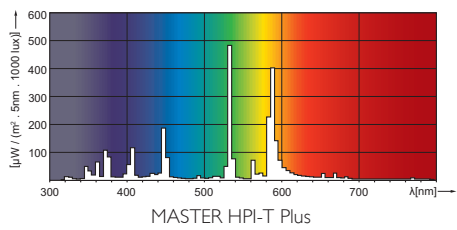


E40

MASTER HPI-T Plus 400W/645 E40

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

Photometric data



© 2013 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

2013, July 4
data subject to change