



MASTER HPI-T Plus

MASTER HPI-T Plus 250W/645 E40 1SL/12

Quartz metal halide lamps with clear outer bulb

Product data

• General Information

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|----------------------------|---|
| Cap-Base | E40 [E40] |
| Operating Position | P20 [Parallel +/-20D or Horizontal(HOR)] |
| 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 | Horizontal [Horizontal Operating Position] |

• Light Technical

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|---------------------------------|---------------------|
| Color Code | 645 [CCT of 4500K] |
| Luminous Flux (Min) | 18500 lm |
| Luminous Flux (Nom) | 20500 lm |
| Color Designation | Cool White (CW) |
| Lumen Maintenance 10000 h (Nom) | 70 % |
| Lumen Maintenance 2000 h (Min) | 75 % |
| Lumen Maintenance 2000 h (Nom) | 90 % |
| Lumen Maintenance 20000 h | 60 % |
| Lumen Maintenance 5000 h (Min) | 65 % |
| Lumen Maintenance 5000 h (Nom) | 80 % |
| Chromaticity Coordinate X (Nom) | 365 |

| | |
|------------------------------------|---------|
| Chromaticity Coordinate Y (Nom) | 377 |
| Correlated Color Temperature (Nom) | 4500 K |
| Luminous Efficacy (rated) (Nom) | 84 lm/W |
| Color Rendering Index (Nom) | 65 |

• Operating and Electrical

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|-------------------------------|-------|
| Power (Rated) (Nom) | 245 W |
| Lamp Current Run-Up (Max) | 3.9 A |
| Lamp Current (EM) (Nom) | 2.1 A |
| Ignition Supply Voltage (Max) | 198 V |
| Ignition Peak Voltage (Max) | 560 V |
| Ignition Supply Voltage (Min) | 198 V |
| Ignition Time (Max) | 10 s |
| Voltage (Max) | 138 V |
| Voltage (Min) | 118 V |
| Voltage (Nom) | 128 V |

• Controls and Dimming

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|----------|----|
| Dimmable | No |
|----------|----|

• Mechanical and Housing

| | |
|-------------|------------|
| Bulb Finish | Clear (CL) |
|-------------|------------|

PHILIPS

MASTER HPI-T Plus

• Approval and Application

| | |
|-------------------------------|---------|
| Energy Efficiency Label (EEL) | A+ |
| Mercury (Hg) Content (Nom) | 36 mg |
| Energy Consumption kWh/1000 h | 269 kWh |

• Luminaire Design Requirements

| | |
|----------------------------|--------|
| Bulb Temperature (Max) | 550 °C |
| Cap-Base Temperature (Max) | 250 °C |

• Product Data

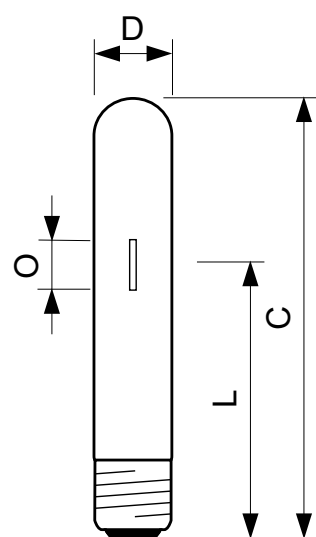
| | |
|---------------------------------|--------------------------------|
| Full product code | 871150017989015 |
| Order product name | MASTER HPI-T Plus 250W/645 E40 |
| EAN/UPC - Product | 8711500179890 |
| Order code | 928481300098 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 928481300098 |
| Net Weight (Piece) | 0.190 kg |

Warnings and Safety

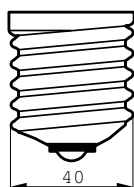
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury or sodium lamps

- 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



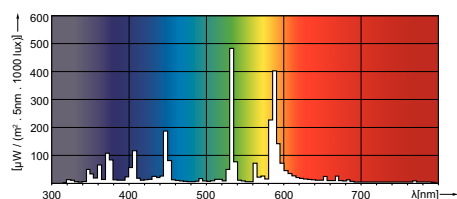
HPI-T Plus, E39/E40



HPI-T Plus 250W/645 E40

| Product | D | O | L | C |
|---------------------------------------|-------|-------|--------|--------|
| MASTER HPI-T Plus 250W/645 E40 1SL/12 | 47 mm | 29 mm | 155 mm | 255 mm |

Photometric data



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