PHILIPS

Lighting



# MASTER CosmoWhite CPO-TW & CPO-TW Xtra

## MASTER CosmoWhite CPO-TW 60W/840 PGZ12 1CT

New-generation ceramic metal halide lamps used in Outdoor offering efficient and pleasant white light

### Product data

| General Information | |
|---|---|
| Cap-Base | PGZ12 [ PGZ12] |
| Operating Position | UNIVERSAL [ Any or Universal (U)] |
| Life to 5% Failures (Nom) | 14000 h |
| Life to 10% Failures (Nom) | 16000 h |
| Life to 20% Failures (Nom) | 18000 h |
| Life to 50% Failures (Nom) | 22000 h |
| ANSI Code HID | C187/E |
| LSF 2000 h Rated | 99 % |
| LSF 4000 h Rated | 99 % |
| LSF 6000 h Rated | 99 % |
| LSF 8000 h Rated | 99 % |
| LSF 12000 h Rated | 98 % |
| LSF 16000 h Rated | 90 % |
| LSF 20000 h Rated | 67 % |

| Light Technical | |
|---|---|
| Color Code | 840 [ CCT of 4000K] |
| Luminous Flux (Rated) (Nom) | 7020 lm |
| Color Designation | White (WH) |
| Chromaticity Coordinate X (Nom) | 382 |
| Chromaticity Coordinate Y (Nom) | 392 |
| Luminous Efficacy (Rated) (Nom) | 117 lm/W |
| Color Rendering Index (Min) | 81 |
| Color Rendering Index (Nom) | 83 |
| LLMF 2000 h Rated | 91 % |
| LLMF 4000 h Rated | 91 % |
| LLMF 6000 h Rated | 91 % |
| LLMF 8000 h Rated | 89 % |
| LLMF 12000 h Rated | 85 % |
| Ratio Scotopic/Photopic Lumens | 1.65 |

| Operating and Electrical | |
|---|---|
| Power (Rated) (Nom) | 60.0 W |
| Ignition Peak Voltage (Max) | 5000 V |
| Re-Ignition Time (Min) (Max) | 900 s |
| Ignition Time (Max) | 30 s |
| Voltage (Max) | 99 V |
| Voltage (Min) | 85 V |

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| | |
|---|---|
| **Voltage (Nom)** | 92 V |

### Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Run-Up Time 90% (Max)** | 3 min |

### Mechanical and Housing

| | |
|---|---|
| **Bulb Finish** | Clear |

### Approval and Application

| | |
|---|---|
| **Energy Efficiency Label (EEL)** | A+ |
| **Mercury (Hg) Content (Nom)** | 1.54 mg |
| **Energy Consumption kWh/1000 h** | 66 kWh |

### UV

| | |
|---|---|
| **Pet (Niosh) (Min)** | 8 h/500lx |
| **Pet (Niosh) (Nom)** | 56 h/500lx |
| **Damage Factor D/fc (Nom)** | 0.250 |

### Luminaire Design Requirements

| | |
|---|---|
| **Bulb Temperature (Max)** | 400 °C |
| **Cap-Base Temperature (Max)** | 300 °C |

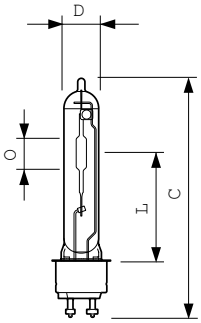
### Product Data

| | |
|---|---|
| **Full product code** | 871829113793100 |
| **Order product name** | MASTER CosmoWhite CPO-TW 60W/840 PGZ12 1CT |
| **EAN/UPC - Product** | 8718291137931 |
| **Order code** | 928095005127 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 12 |
| **Material Nr. (12NC)** | 928095005127 |
| **Net Weight (Piece)** | 0.034 kg |
| **ILCOS Code** | MT-60/840-H-PGZ12-20/132 |

## 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
- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- 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

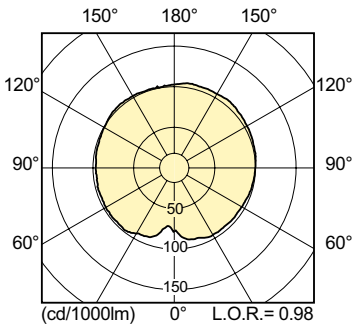



CPO-TW 60W/840 PGZ12

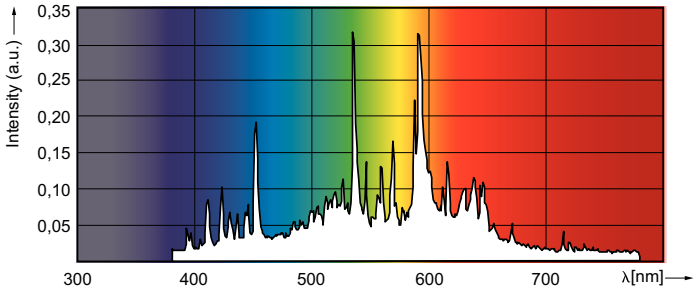
| Product | D (max) | D | O | L | C (max) |
|---|---|---|---|---|---|
| MASTER CosmoWhite CPO-TW 60W/840 PGZ12 1CT | 20 mm | 19 mm | 14 mm | 59 mm | 132 mm |

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## Photometric data

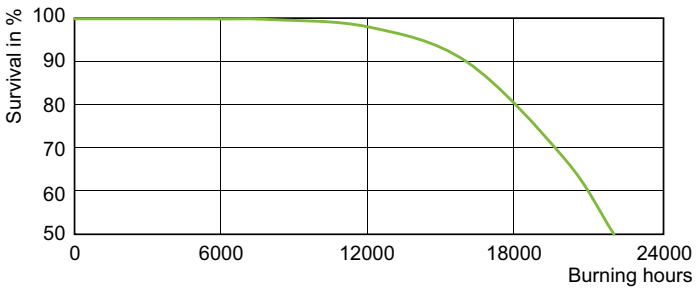



CPO-TW 60W

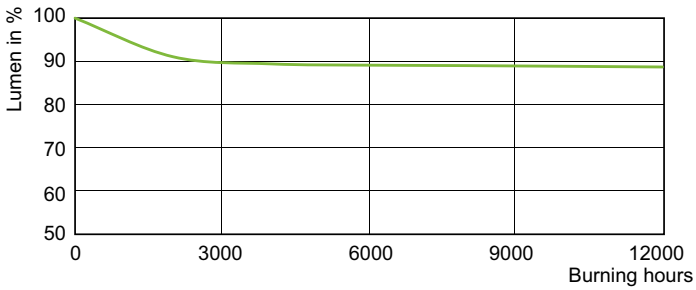



MASTER CosmoWhite CPO-TW 60W /840

## Lifetime




CPO-TW 60 W Life Expectancy /840




CPO-TW 60 W Lumen Maintenance /840

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