



MASTER CosmoWhite CPO-TW & CPO-TW Xtra

MASTER CosmoWhite CPO-TW Xtra 140W/728 PGZ12

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

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.

Product data

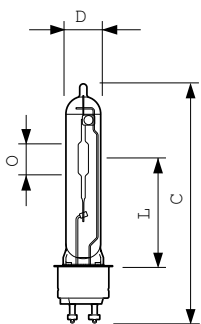
| General information | | | |
|----------------------------|-----------------------------------|----------------------------|--------|
| Cap-Base | PGZ12 [PGZ12] | LSF 6000 h Rated | 99 % |
| Operating Position | UNIVERSAL [Any or Universal (U)] | LSF 8000 h Rated | 99 % |
| Life to 5% Failures (Nom) | 18000 h | LSF 12000 h Rated | 99 % |
| Life To 10% Failures (Nom) | 20000 h | LSF 16000 h Rated | 97 % |
| Life to 20% Failures (Nom) | 24000 h | LSF 20000 h Rated | 90 % |
| Life to 50% Failures (Nom) | 30000 h | LSF 24000 h Rated | 80 % |
| ANSI Code HID | C189/E | LSF 30000 h Rated | 50 % |
| LSF 2000 h Rated | 99 % | Flux measurement reference | Sphere |
| LSF 4000 h Rated | 99 % | | |

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| Light technical | |
|------------------------------------|---------------------|
| Color Code | 728 [CCT of 2800K] |
| Luminous Flux (Nom) | 17600 lm |
| Luminous Flux (Rated) (Nom) | 17600 lm |
| Color Designation | White (WH) |
| Chromaticity Coordinate X (Nom) | 0.447 |
| Chromaticity Coordinate Y (Nom) | 0.4 |
| Correlated Color Temperature (Nom) | 2800 K |
| Luminous Efficacy (rated) (Nom) | 125 lm/W |
| Color Rendering Index (Nom) | 72 |
| LLMF 2000 h Rated | 94 % |
| LLMF 4000 h Rated | 93 % |
| LLMF 6000 h Rated | 92 % |
| LLMF 8000 h Rated | 91 % |
| LLMF 12000 h Rated | 89 % |
| LLMF 16000 h Rated | 88 % |
| LLMF 20000 h Rated | 87 % |
| LLMF 24000 h Rated | 86 % |
| Ratio Scotopic/Photopic Lumens | 1.30 |
| Operating and electrical | |
| Power (Nom) | 141.0 W |
| Ignition Peak Voltage (Max) | 5000 V |
| Re-Ignition Time (Min) (Max) | 900 s |
| Ignition Time (Max) | 30 s |
| Voltage (Max) | 100 V |
| Voltage (Min) | 88 V |
| Voltage (Nom) | 94 V |
| Controls and dimming | |
| Dimmable | Yes |
| Run-Up Time 90% (Max) | 4 min |
| Mechanical and housing | |
| Bulb Finish | Clear |

| Bulb Shape | T19 [T 19mm] |
|--|---|
| Approval and application | |
| Energy Efficiency Class | E |
| Mercury (Hg) Content (Max) | 3.9 mg |
| Mercury (Hg) Content (Nom) | 3.9 mg |
| Energy Consumption kWh/1000 h | 141 kWh |
| EPREL Registration Number | 473349 |
| UV | |
| Pet (Niosh) (Min) | 8 h/500lx |
| Damage Factor D/fc (Nom) | 0.14 |
| Luminaire design requirements | |
| Bulb Temperature (Max) | 550 °C |
| Cap-Base Temperature (Max) | 300 °C |
| Cap-Base Temperature (Max)-DUP(do not use) | 572 °F |
| Product data | |
| Full product code | 871150020853815 |
| Order product name | MASTER CosmoWhite CPO-TW Xtra 140W/728 PGZ12 |
| EAN/UPC - Product | 8711500208538 |
| Order code | 928088805127 |
| Numerator - Quantity Per Pack | 1 |
| Local code description | LAMP COSMOPOLIS WHITE CPOTW140/728 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 928088805127 |
| Net Weight (Piece) | 0.040 kg |
| ILCOS Code | MT-140/728-H-PGZ12-20/150 |

Dimensional drawing



MASTER CosmoWhite CPO-TW Xtra 140W/728 PGZ12

| Product | D (max) | D | O | L | C (max) |
|---|---------|-------|-------|-------|---------|
| MASTER CosmoWhite CPO-TW Xtra 140W/728 PGZ12 | 20 mm | 19 mm | 22 mm | 66 mm | 150 mm |

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Photometric data

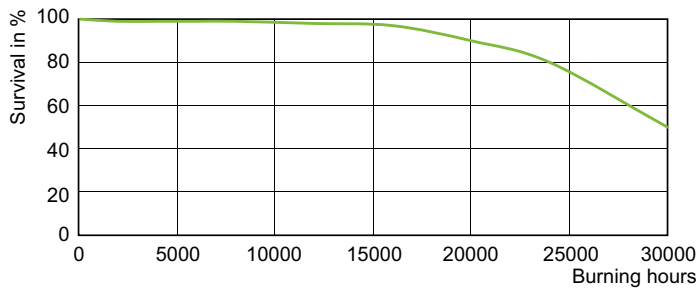


LDLD_CPO-TW_0005-Light distribution diagram

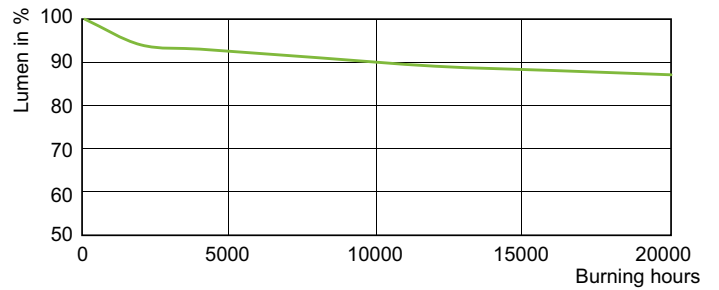


LDPO_CPO-TW_Xtra_140W_728-Spectral power distribution Colour

Lifetime



LDLE_CPO-TW_0003-Life expectancy diagram



LDLM_CPO-TW_0006-Lumen maintenance diagram

