PHILIPS

Lighting



MASTER CosmoWhite CPO-TW & CPO-TW Xtra

MASTER CosmoWhite CPO-TW 90W/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)	11000 h
Life to 10% Failures (Nom)	12000 h
Life to 20% Failures (Nom)	13000 h
Life to 50% Failures (Nom)	15000 h
ANSI Code HID	C188/E
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	98 %
LSF 12000 h Rated	90 %
LSF 16000 h Rated	30 %

Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux (Rated) (Nom)	10120 lm
Color Designation	White (WH)
Chromaticity Coordinate X (Nom)	382
Chromaticity Coordinate Y (Nom)	396
Luminous Efficacy (Rated) (Nom)	115 lm/W
Color Rendering Index (Min)	74
Color Rendering Index (Nom)	79
LLMF 2000 h Rated	95 %
LLMF 4000 h Rated	93 %
LLMF 6000 h Rated	93 %
LLMF 8000 h Rated	92 %
LLMF 12000 h Rated	90 %
Ratio Scotopic/Photopic Lumens	1.65

Operating and Electrical	
Power (Rated) (Nom)	88 W
Ignition Peak Voltage (Max)	5000 V
Re-Ignition Time (Min) (Max)	900 s
Ignition Time (Max)	30 s
Voltage (Max)	104 V
Voltage (Min)	88 V
Voltage (Nom)	96 V

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Controls and Dimming	
Dimmable	Yes
Run-Up Time 90% (Max)	4 min

Mechanical and Housing	
Bulb Finish	Clear

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	2.5 mg
Energy Consumption kWh/1000 h	99 kWh

UV	
Pet (Niosh) (Min)	8 h/500lx
Pet (Niosh) (Nom)	34 h/500lx
Damage Factor D/fc (Nom)	0.23

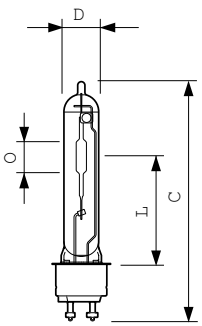
Luminaire Design Requirements	
Bulb Temperature (Max)	470 °C
Cap-Base Temperature (Max)	300 °C

Product Data	
Full product code	871829113789400
Order product name	MASTER CosmoWhite CPO-TW 90W/840 PGZ12 1CT
EAN/UPC - Product	8718291137894
Order code	928095105127
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928095105127
Net Weight (Piece)	0.037 kg
ILCOS Code	MT-90/840-H-PGZ12-20/143

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

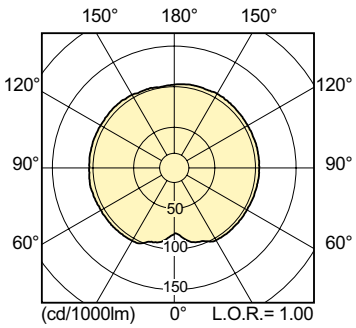


CPO-TW 90W/840 PGZ12

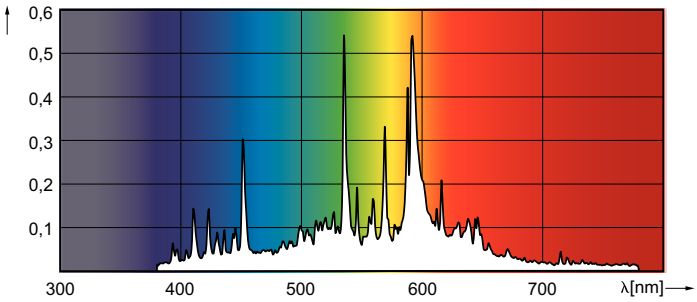
Product	D (max)	D	O	L	C (max)
MASTER CosmoWhite CPO-TW 90W/840 PGZ12 1CT	20 mm	19 mm	18 mm	66 mm	143 mm

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Photometric data

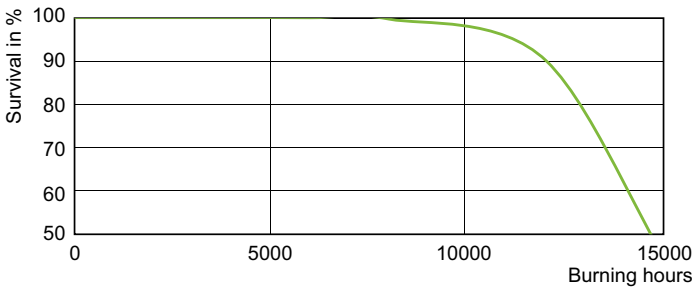


CPO-TW 90W

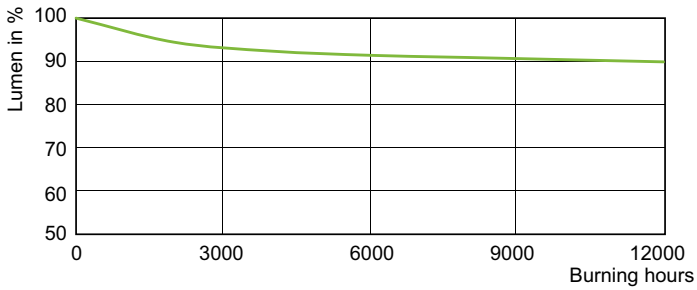


MASTER CosmoWhite CPO-TW 90W /840

Lifetime



CPO-TW 90 W Life Expectancy /840



CPO-TW 90 W Lumen Maintenance /840

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