

MASTER CosmoWhite CPO-TW & CPO-TW Xtra

MASTER CosmoWhite CPO-TW Xtra 60W/728 PGZ12

New-generation ceramic metal halide lamps for outdoor lighting with white light, using a new lamp base and clear quartz outer bulb

Product data

• General Information

Cap-Base	PGZ12 [PGZ12]
Operating Position	UNIVERSAL [Any or Universal (U)]
Life To 5% Failures (Nom)	21500 h
Life To 10% Failures (Nom)	24000 h
Life To 20% Failures (Nom)	27000 h
Life To 50% Failures (Nom)	32000 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	99 %
LSF 16000 h Rated	99 %
LSF 20000 h Rated	97 %
LSF 24000 h Rated	90 %
LSF 30000 h Rated	63 %

• Light Technical

Colour Code	728 [CCT of 2800K]
Luminous Flux (Rated) (Nom)	7200 lm
Colour Designation	White (WH)
Chromaticity Coordinate X (Nom)	453
Chromaticity Coordinate Y (Nom)	405
Luminous Efficacy (rated) (Nom)	120 lm/W
Colour Rendering Index horiz (Min)	70
Colour Rendering Index horiz (Nom)	73
Depreciation 2000 hrs	92 %
LLMF 4000 h Rated	90 %
Depreciation 5000 hrs	90 %
LLMF 8000 h Rated	90 %
LLMF 12000 h Rated	89 %
LLMF 16000 h Rated	87 %
LLMF 20000 h Rated	86 %
LLMF 24000 h Rated	84 %
LLMF 30000 h Rated	82 %

• 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
Voltage (Nom)	92 V

• Controls and Dimming

Dimmable	Yes
Run-up Time 90% (Max)	3 min

• Mechanical and Housing

Bulb Finish	Clear (CL)

PHILIPS

MASTER CosmoWhite CPO-TW & CPO-TW Xtra

- Approval and Application

Energy Efficiency Label	A+
Mercury (Hg) Content (Nom)	2.0 mg
Energy Consumption kWh/1000 h	66 kWh

- UV

Pet (Niosh) (Min)	8 h/500lx
Pet (Niosh) (Nom)	19 h/500lx
Damage Factor D/fc (Nom)	0.17

- Luminaire Design Requirements

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

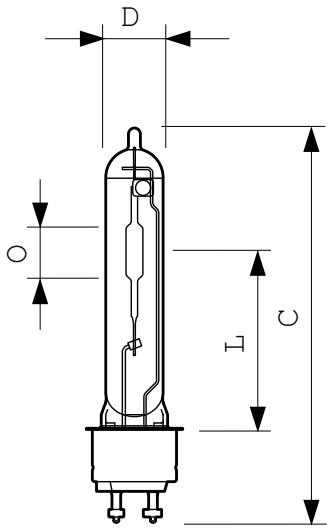
- Product Data

Full product code	871150020851415
Order product name	MASTER CosmoWhite CPO-TW Xtra 60W/728 PGZ12
EAN/UPC - Product	8711500208514
Order code	20851415
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928088505127
Net Weight (Piece)	0.034 kg
ILCOS Code	MT-60/728-H-PGZ12-20/132

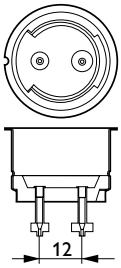
Warnings and Safety

- 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



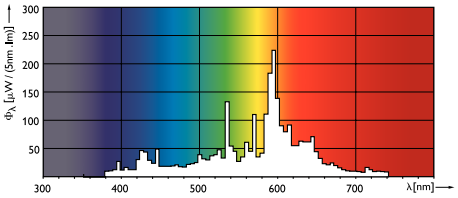
CPO-TW Xtra 45 W, 60 W, 90 W, 140 W /628, /728 PGZ12



CPO-TW Xtra 60W/728 PGZ12

Product	D	D	O	L	C
MASTER CosmoWhite CPO-TW Xtra 60W/728 PGZ12	20 mm	19 mm	14 mm	59 mm	132 mm

Photometric data



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