



# MASTER CosmoWhite CPO-TW & CPO-TW Xtra

## MASTER CosmoWhite CPO-TW Xtra 45W/628 PGZ12

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)	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	C196/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	
Color Code	628 [ CCT of 2800K]
Luminous Flux (Rated) (Nom)	4950 lm
Color Designation	White (WH)
Chromaticity Coordinate X (Nom)	459
Chromaticity Coordinate Y (Nom)	412
Luminous Efficacy (rated) (Nom)	110 lm/W
Color Rendering Index (Min)	63
Color Rendering Index (Nom)	66
LLMF 2000 h Rated	92 %
LLMF 4000 h Rated	90 %
LLMF 6000 h Rated	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 %

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Ratio Scotopic/Photopic Lumens	1.15
<b>Operating and Electrical</b>	
Power (Nom)	45.0 W
Ignition Peak Voltage (Max)	5000 V
Re-Ignition Time (Min) (Max)	900 s
Ignition Time (Max)	30 s
Voltage (Max)	98 V
Voltage (Min)	84 V
Voltage (Nom)	91 V
<b>Controls and Dimming</b>	
Dimmable	Yes
Run-Up Time 90% (Max)	4 min
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	2.0 mg
Energy Consumption kWh/1000 h	50 kWh

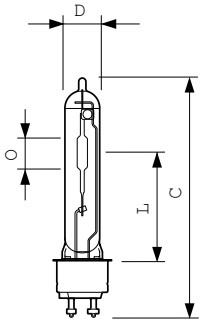
<b>UV</b>	
Pet (Niosh) (Min)	8 h/500lx
Pet (Niosh) (Nom)	20 h/500lx
Damage Factor D/fc (Nom)	0.21

<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	380 °C
Cap-Base Temperature (Max)	250 °C

<b>Product Data</b>	
Full product code	871829115001500
Order product name	MASTER CosmoWhite CPO-TW Xtra 45W/628 PGZ12
EAN/UPC - Product	8718291150015
Order code	928083805127
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928083805127
Net Weight (Piece)	0.034 kg
ILCOS Code	MT-45/628-H-PGZ12-20/132

## Warnings and Safety

## Dimensional drawing

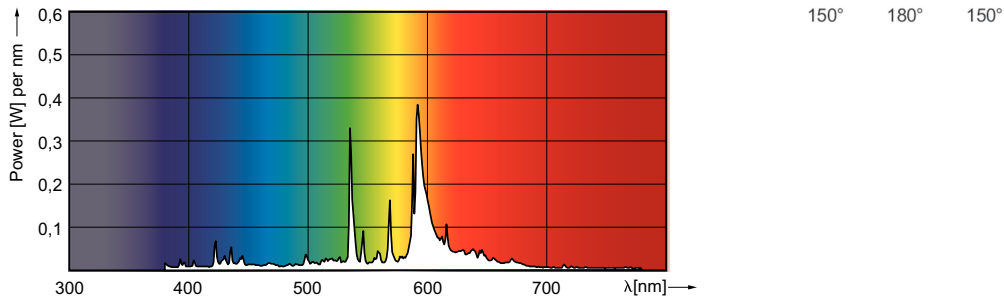


CPO-TW Xtra 45W/628 PGZ12

<b>Product</b>
MASTER CosmoWhite CPO-TW Xtra 45W/628 PGZ12

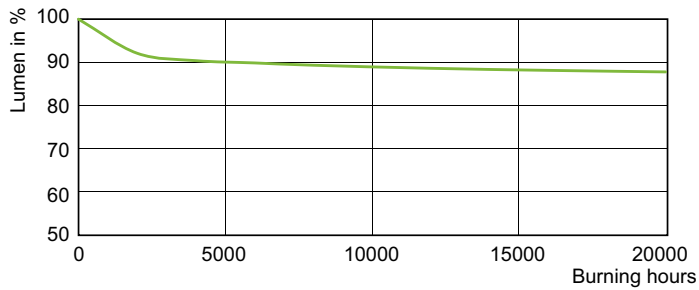
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## Photometric data

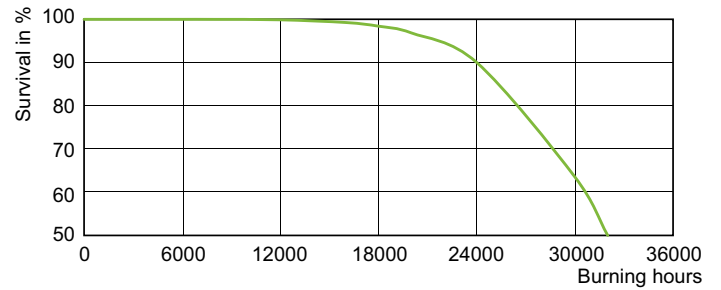


LDPO\_CPO-TW\_45W\_628-Spectral power distribution Colour

## Lifetime



LDLM\_CPO-TW\_0001-Lumen maintenance diagram



LDLE\_CPO-TW\_0006-Life expectancy diagram

