PHILIPS

Lighting



The most energy-efficient reliable white light solution for Outdoor

MASTER CosmoWhite CPO-TW & CPO-TW Xtra

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

Benefits

- Attractive white light
- Best optical efficacy allows greater spacing between luminaires, thereby reducing investment
- Highest energy saving and lowest cost of ownership

Features

- Highly efficient white light
- Long reliable lifetime combined with highest system efficacy
- Unique new burner design and positioning in combination with best lamp fixation (PGZ12) provides best optical efficacy
- Compact size: 50% smaller than SON/HPL systems
- New electronic gear platform including dimming options

Application

- Urban public lighting for city centers, residential areas and roads

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)

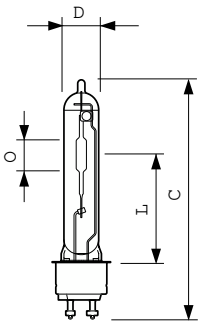
MASTER CosmoWhite CPO-TW & CPO-TW Xtra

Versions



LPPR CPO-TW 0003

Dimensional drawing



Product	D (max)	D	O	L	C (max)
MST CosmoWh CPO-TW Xtra 140W/728 PGZ12	20 mm	19 mm	22 mm	66 mm	150 mm
MST CosmoWh CPO-TW Xtra 60W/728 PGZ12	20 mm	19 mm	14 mm	59 mm	132 mm
MST CosmoWh CPO-TW Xtra 90W/728 PGZ12	20 mm	19 mm	18 mm	66 mm	143 mm

General Information	
Cap-Base	PGZ12
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.447
Chromaticity Coordinate Y (Nom)	0.4
Color Designation	White (WH)
Correlated Color Temperature (Nom)	2800 K
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T19

Light Technical

Order Code	Full Product Name	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
928088805127	MST CosmoWh CPO-TW Xtra 140W/728 PGZ12	72	125 lm/W	17,600 lm
928088505127	MST CosmoWh CPO-TW Xtra 60W/728 PGZ12	73	120 lm/W	7,200 lm
928093505127	MST CosmoWh CPO-TW Xtra 90W/728 PGZ12	70	120 lm/W	10,800 lm

Operating and Electrical

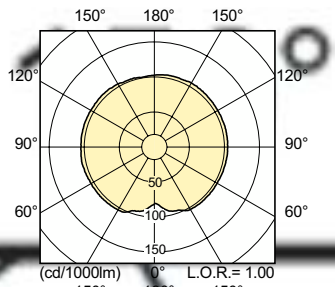
Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928088805127	MST CosmoWh CPO-TW Xtra 140W/728 PGZ12	94 V	141.0 W
928088505127	MST CosmoWh CPO-TW Xtra 60W/728 PGZ12	92 V	60.0 W

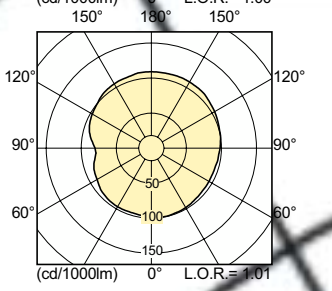
Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928093505127	MST CosmoWh CPO-TW Xtra 90W/728 PGZ12	92 V	90.0 W

MASTER CosmoWhite CPO-TW & CPO-TW Xtra

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928088805127	MST CosmoWh CPO-TW Xtra 140W/728 PGZ12	141 kWh	3.9 mg	3.9 mg
928088505127	MST CosmoWh CPO-TW Xtra 60W/728 PGZ12	60 kWh	2 mg	2.0 mg
928093505127	MST CosmoWh CPO-TW Xtra 90W/728 PGZ12	90 kWh	3 mg	3.0 mg


150° 180° 150°
120° 120°
90° 90°
60° 60°
50
100
150
(cd/1000lm) 0° L.O.R.= 1.00


150° 180° 150°
120° 120°
90° 90°
60° 60°
50
100
150
(cd/1000lm) 0° L.O.R.= 1.01

120°
90°

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