

CosmoPolis CosmoWhite

CPO-TW 90W/728 White PGZ12

Philips Cosmopolis Outdoor Lighting System simplifies outdoor lighting with the combination of a miniature lamp and an optimized electronic ballast system.



Product data

• General Characteristics

Base	PGZ12
Bulb	T6 [Diameter: 6/8 inch /19mm]
Bulb Finish	Clear
Operating Position	Universal [Any or Universal (U)]
Life to 5% failures, horiz.	17000 hr
Life to 10% failures, horiz.	20000 hr
Life to 20% failures, horiz.	23500 hr
Life to 50% failures, horiz.	30000 hr
LSF EL 2kh Rated, 12h cyc. hor	99 %
LSF EL 4kh Rated, 12h cyc. hor	99 %
LSF EL 6kh Rated, 12h cyc. hor	99 %
LSF EL 8kh Rated, 12h cyc. hor	99 %
LSF EL 12kh Rated, 12h cyc. hor	99 %
LSF EL 16kh Rated, 12h cyc. hor	96 %
LSF EL 20kh Rated, 12h cyc. hor	90 %
LSF EL 24kh Rated, 12h cyc. hor	78 %
LSF EL 30kh Rated, 12h cyc. hor	50 %

• Light Technical Characteristics

Color Code	728 [CCT of 2800K]
CRI @ $\pm 60\%$ power	60 -
Color Designation	White

Colour Temp. @ $\pm 60\%$ power	2870 K
Lum. Flux EL25°C, Rat. horiz.	10800 Lm
Luminous Flux @ $\pm 60\%$ power	5022 Lm
Lum Effic Rat EL 25°C horiz.	120 Lm/W
Luminous Efficacy @ $\pm 60\%$ power	93 Lm/W
Color Rendering Index, horiz	67 (min), 70 (nom) Ra8
Color Temperature, horizontal	2800 K
Color Temp. Technical, horiz.	2870 K
LLMF EL 2000h Rated, horiz.	94 %
LLMF EL 4000h Rated, horiz.	93 %
LLMF EL 6000h Rated, horiz.	93 %
LLMF EL 8000h Rated, horiz.	93 %
LLMF EL 12000h Rated, horiz.	92 %
LLMF EL 16000h Rated, horiz.	91 %
LLMF EL 20000h Rated, horiz.	90 %
Chromaticity Coordinate X	449 -
Chromaticity Coordinate Y	412 -
Chrom. Coord. X @ $\pm 60\%$ power	454 -

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Chrom. Coord. Y @ 423 -
±60% power

• Electrical Characteristics

Watts	90 W
Lamp Wattage EL	90.0 W
25°C, Rated	
Lamp Wattage EL	90.0 W
25°C, Nominal	
Lamp Voltage	92 V
Lamp Current EL	0.97 A
Lamp Current EL at	577 mA
±60% power	
Ignition Time	30 (max) s
Run-up time 90%	4 (max) min
Dimmable	Yes
Re-ignition Time	900 (max) s
[sec]	
Ratio scotopic/ photopic lumens	1.15 -

• Environmental Characteristics

Energy Efficiency	A+
Label (EEL)	
Mercury (Hg)	3.0 mg
Content	
Energy consumption	99 kWh
kWh/1000h	

• UV-related Characteristics

Damage Factor D/fc	0.18 -
PET (NIOSH)	8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature	300 (max) C
Bulb Temperature	470 (max) C

• Product Dimensions

Overall Length C	143 (max) mm
Diameter D	19 (nom), 20 (max) mm
Light Center Length	66 mm
L	
Arc Length O	18 mm

• Product Data

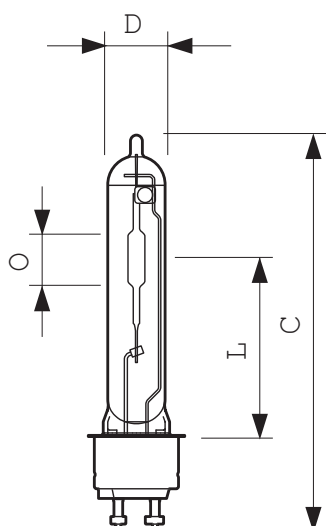
Product number	406041
Full product name	CPO-TW 90W/728 White PGZ12
Short product name	CPO-TW 90W/728 White PGZ12
Pieces per Sku	1
eop_pck_cfg	12
Skus/Case	12
Bar code on pack	46677406042
Bar code on case	50046677406047
Logistics code(s)	928093505105
tpd_ilcos_cd	MT-90/728-H-PGZ12-20/143
eop_net_weight_pp	0.037 kg

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will

remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

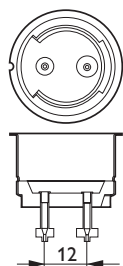
Dimensional drawing



CPO-TW 90W/728 White PGZ12

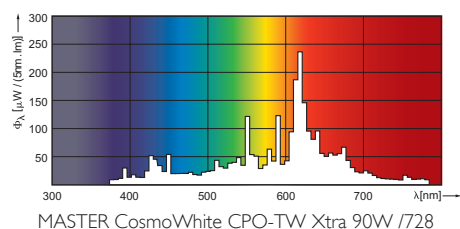
Product	C (Max)	D (Norm)	D (Max)	L (Norm)	O (Norm)
CPO-TW Xtra 90W/728 PGZ12	143	19	20	66	18

Dimensional drawing



PGZ12

Photometric data



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www.philips.com/lighting

2014, February 15
data subject to change