

CosmoPolis CosmoWhite

CPO-TW 45W/628 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.	21500 hr
Life to 10% failures, horiz.	24000 hr
Life to 20% failures, horiz.	27000 hr
Life to 50% failures, horiz.	32000 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	99 %
LSF EL 20kh Rated, 12h cyc. hor	97 %
LSF EL 24kh Rated, 12h cyc. hor	90 %
LSF EL 30kh Rated, 12h cyc. hor	63 %

• Light Technical Characteristics

Color Code	628 [CCT of 2800K]
CRI @ ±60% power	59 -
Color Designation	White

Colour Temp. @ ±60% power	2815 K
Lum. Flux EL25°C, Rat. horiz.	4950 Lm
Luminous Flux @ ±60% power	2520 Lm
Lum Effic Rat EL 25°C horiz.	110 Lm/W
Luminous Efficacy @ ±60% power	84 Lm/W
Color Rendering Index, horiz	63 (min), 66 (nom) Ra8
Color Temperature, horizontal	2800 K
Color Temp. Technical, horiz.	2725 K
LLMF EL 2000h Rated, horiz.	92 %
LLMF EL 4000h Rated, horiz.	90 %
LLMF EL 6000h Rated, horiz.	90 %
LLMF EL 8000h Rated, horiz.	90 %
LLMF EL 12000h Rated, horiz.	89 %
LLMF EL 16000h Rated, horiz.	87 %
LLMF EL 20000h Rated, horiz.	86 %
LLMF EL 24000h Rated, horiz.	84 %
LLMF EL 30000h Rated, horiz.	82 %
Chromaticity Coordinate X	459 -

PHILIPS

Chromaticity Coordinate Y 412 -
 Chrom. Coord. X @ 459 -
 ±60% power
 Chrom. Coord. Y @ 424 -
 ±60% power

• Electrical Characteristics

Watts 45 W
 Lamp Wattage EL 45.0 W
 25°C, Rated
 Lamp Wattage EL 45.0 W
 25°C, Nominal
 Lamp Voltage 91 V
 Lamp Current EL 0.484 A
 Lamp Current EL at 309 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) 2.0 mg
 Content
 Energy consumption 49 kWh
 kWh/1000h

• UV-related Characteristics

Damage Factor D/fc 0.21 -
 PET (NIOSH) 8 (min) h500lx

• Luminaire Design Requirements

Cap-Base Temperature 250 (max) C
 Bulb Temperature 380 (max) C

• Product Dimensions

Overall Length C 132 (max) mm
 Diameter D 19 (nom), 20 (max) mm
 Light Center Length L 59 mm
 Arc Length O 14 mm

• Product Data

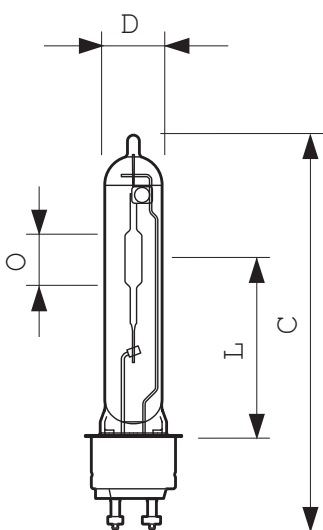
Product number 418897
 Full product name CPO-TW 45W/628 White PGZ12
 Short product name CPO-TW 45W/628 White PGZ12
 Pieces per Sku 1
 eop_pck_cfg 12
 Skus/Case 12
 Bar code on pack 46677418892
 Bar code on case 50046677418897
 Logistics code(s) 928083805105
 tpd_ilcos_cd MT-45/628-H-PGZ12-20/132
 eop_net_weight_pp 0.034 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)

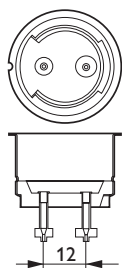
Dimensional drawing



CPO-TW 45W/628 White PGZ12

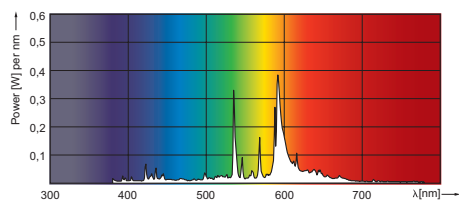
Product	C (Max)	D (Norm)	D (Max)	L (Norm)	O (Norm)
CPO-TW Xtra 45W/628 PGZ12	132	19	20	59	14

Dimensional drawing



PGZ12

Photometric data



MASTER CosmoWhite CPO-TW Xtra 45W /628



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, September 18
data subject to change