



# A new age in outdoor city lighting

## CosmoPolis CosmoWhite

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

### Benefits

- Energy efficiency and long, dependable service, not only to reduce your lighting cost of ownership but also to address environmental concerns.
- Improved visibility and enhanced ambience to attract people back into your city centers at night.
- Miniaturization enables unobtrusive lighting and exciting new luminaire designs.

### Features

- Crisp, white light.
- Rated average life of 30,000 hours\*
- Compact system – allows for smaller, lightweight luminaires, using light-duty poles. and uses less raw materials to conserve resources.
- Increased luminous efficacy.
- Available in 60, 90 and 140 watts.
- \* Rated average life is the life obtained, on the average, from large representative groups of lamps in laboratory tests under controlled conditions at 10 or more operating hours per start. It is based on survival of at least 50% of the lamps and allows for individual lamps or groups of lamps to vary considerably from the average. 30,000 hours rated average life at horizontal application. For vertical application, rated average life for 90W and 140W is 20,000 hours, while rated average life for 60W is 15,000 hours.

### Application

- Ideal for indoor and outdoor applications of industrial facilities and warehouses
- Lamp optimized for horizontal position; when positioned vertically, the lifetime specification is much lower (as much as – 40%)

Warnings and Safety

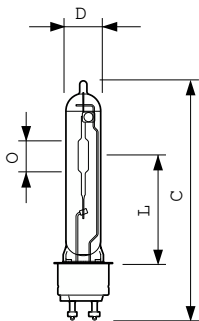
- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain 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)

Versions



LPPR CPO-TW 0003

Dimensional drawing



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

General Information	
Cap-Base	PGZ12
Operating Position	UNIVERSAL
Light Technical	
Color Designation	White (WH)
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T19

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	Luminous
		Coordinate X (Nom)	Coordinate Y (Nom)	rendering index (CRI)	Efficacy (rated) (Nom)
928088805105	CPO-TW	440	413	72	125 lm/W
	140W/728				
	White				
	PGZ12				
928088505105	CPO-TW	453	405	73	120 lm/W
	60W/728				

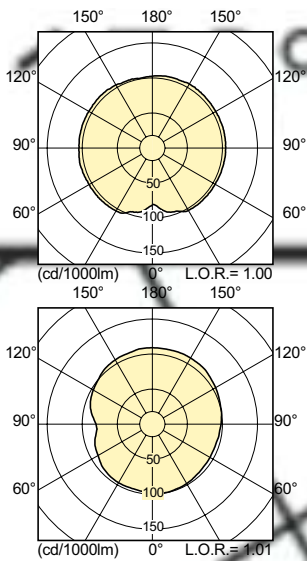
Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928088805105	CPO-TW 140W/728 White PGZ12	94 V	141.0 W
928088505105	CPO-TW 60W/728 White PGZ12	92 V	60.0 W

Approval and Application

Order Code	Full Product Name	Energy Consumption	Mercury (Hg)
		kWh/1000 h	Content (Nom)
928088805105	CPO-TW 140W/728 White	154 kWh	3.9 mg
	PGZ12		
928088505105	CPO-TW 60W/728 White	66 kWh	2.0 mg
	PGZ12		
928093505105	CPO-TW 90W/728 White	99 kWh	3.0 mg
	PGZ12		

Order Code	Full Product Name	Chromaticity	Chromaticity	Color	Luminous
		Coordinate X (Nom)	Coordinate Y (Nom)	rendering index (CRI)	Efficacy (rated) (Nom)
	White				
	PGZ12				
928093505105	CPO-TW	449	412	70	120 lm/W
	90W/728				
	White				
	PGZ12				



120°

90°

