



# A green, flexible choice

## PL-S Short 2-Pin Base

Philips Linear Compact Fluorescent Lamps offer designers, specifiers and end-users new levels of efficiencies and versatility in sizes, configurations and application possibilities. With so many elegant fixtures available to complement their small size, high light output and advanced technology, Philips Energy Advantage lamps are fast becoming the preferred choice when maximum efficiency and sleek design solutions are required.

### Benefits

- Integral starter cuts installation wiring costs and permits use of small choke ballasts
- Better for the environment with ALTO lamp technology
- Available in variable color temperatures

### Features

- High Lamp Efficacy
- 10,000 Hour Rated Average Life\*
- Designed for Use with Magnetic Ballasts
- Integral Starter in Base
- ALTO® Lamp Technology
- Available in 5,7,9, and 13 watts with 2700,3000,3500, 4100 and 5000 color temperatures
- \*Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.

### Application

- They are ideal for recessed and surface mounted downlights, task lighting, corridor, security and general lighting

# PL-S Short 2-Pin Base

## Versions



5W, G23, 2P



7W, G23, 2P

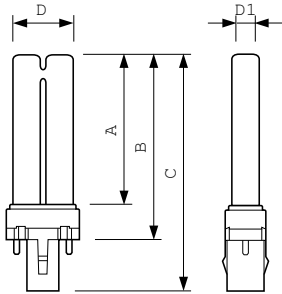


9W, G23, 2P



13W, GX23, 2P

## Dimensional drawing



Product	D (max)	D1 (max)	A (max)	B (max)	C (max)
PL-S 13W/841/2P/ALTO	28 mm	13 mm	139.5 mm	155.2 mm	177.7 mm
PL-S 9W/841/2P/ALTO	28 mm	13 mm	129 mm	145 mm	167 mm
PL-S 13W/827/2P/ALTO	28 mm	13 mm	139.5 mm	155.2 mm	177.7 mm
PL-S 7W/841/2P/ALTO	28 mm	13 mm	97 mm	113 mm	135 mm
PL-S 5W/827/2P/ALTO	28 mm	13 mm	67 mm	83 mm	105 mm
PL-S 13W/850/2P/ALTO	28 mm	13 mm	139.5 mm	155.2 mm	177.7 mm
PL-S 13W/850/2P/ALTO/ BULK	28 mm	13 mm	139.5 mm	155.2 mm	177.7 mm
PL-S 9W/827/2P/ALTO	28 mm	13 mm	129 mm	145 mm	167 mm
PL-S 7W/827/2P/ALTO	28 mm	13 mm	97 mm	113 mm	135 mm
PL-S 13W/835/2P/ALTO	28 mm	13 mm	139.5 mm	155.2 mm	177.7 mm

### Approval and Application

Mercury (Hg) Content (Nom) 1.4 mg

### Controls and Dimming

Dimmable No

### General Information

Life To 50% Failures (Nom) 10000 h

LSF 2000 h Rated 99 %

LSF 4000 h Rated 98 %

LSF 6000 h Rated 95 %

LSF 8000 h Rated 86 %

### Light Technical

Color Rendering Index (Nom) 82

### Temperature

Design Temperature (Nom) 28 °C

### Approval and Application

Order Code	Full Product Name	Energy Efficiency Label (EEL)
927900682721	PL-S 5W/827/2P/ALTO	B
927901282721	PL-S 7W/827/2P/ALTO	B
927901284121	PL-S 7W/841/2P/ALTO	B
927901882721	PL-S 9W/827/2P/ALTO	A
927901884121	PL-S 9W/841/2P/ALTO	A
927902782721	PL-S 13W/827/2P/ALTO	B
927902783521	PL-S 13W/835/2P/ALTO	B
927902784121	PL-S 13W/841/2P/ALTO	B
927902785021	PL-S 13W/850/2P/ALTO	B
927902785022	PL-S 13W/850/2P/ALTO/BULK	B

## Operating and Electrical

## PL-S Short 2-Pin Base

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927900682721	PL-S 5W/827/2P/ALTO	0.180 A	5.4 W
927901282721	PL-S 7W/827/2P/ALTO	0.175 A	7.1 W
927901284121	PL-S 7W/841/2P/ALTO	0.175 A	7.1 W
927901882721	PL-S 9W/827/2P/ALTO	0.170 A	8.7 W
927901884121	PL-S 9W/841/2P/ALTO	0.170 A	8.7 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927902782721	PL-S 13W/827/2P/ALTO	0.290 A	13 W
927902783521	PL-S 13W/835/2P/ALTO	0.290 A	13 W
927902784121	PL-S 13W/841/2P/ALTO	0.290 A	13 W
927902785021	PL-S 13W/850/2P/ALTO	0.290 A	13 W
927902785022	PL-S 13W/850/2P/ALTO/BULK	0.290 A	13 W

### General Information

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)
927900682721	PL-S 5W/827/2P/ALTO	G23	6500 h
927901282721	PL-S 7W/827/2P/ALTO	G23	6500 h
927901284121	PL-S 7W/841/2P/ALTO	G23	6500 h
927901882721	PL-S 9W/827/2P/ALTO	G23	6500 h
927901884121	PL-S 9W/841/2P/ALTO	G23	6500 h

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)
927902782721	PL-S 13W/827/2P/ALTO	GX23	6500 h
927902783521	PL-S 13W/835/2P/ALTO	GX23	0 h
927902784121	PL-S 13W/841/2P/ALTO	GX23	-
927902785021	PL-S 13W/850/2P/ALTO	GX23	0 h
927902785022	PL-S 13W/850/2P/ALTO/BULK	GX23	0 h

### Light Technical (1/2)

Order Code	Full Product Name	Color Code	Color Designation	Correlated	
				Color Temperature (Nom)	LLMF 2000 h Rated
927900682721	PL-S 5W/827/2P/ALTO	827	Incandescent White	2700 K	89 %
927901282721	PL-S 7W/827/2P/ALTO	827	Incandescent White	2700 K	94 %
927901284121	PL-S 7W/841/2P/ALTO	841	Cool White (CW)	4100 K	94 %
927901882721	PL-S 9W/827/2P/ALTO	827	Incandescent White	2700 K	94 %
927901884121	PL-S 9W/841/2P/ALTO	841	Cool White (CW)	4100 K	94 %
927902782721	PL-S 13W/827/2P/ALTO	827	Incandescent White	2700 K	94 %

Order Code	Full Product Name	Color Code	Color Designation	Correlated	
				Color Temperature (Nom)	LLMF 2000 h Rated
927902783521	PL-S 13W/835/2P/ALTO	835	White (WH)	3500 K	94 %
927902784121	PL-S 13W/841/2P/ALTO	841	Cool White (CW)	4100 K	94 %
927902785021	PL-S 13W/850/2P/ALTO	850	Daylight	5000 K	94 %
927902785022	PL-S 13W/850/2P/ALTO/BULK	850	Daylight	5000 K	94 %

### Light Technical (2/2)

Order Code	Full Product Name	LLMF 4000 h	LLMF 6000 h	LLMF 8000 h	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
		Rated	Rated	Rated			
927900682721	PL-S 5W/827/2P/ALTO	83 %	80 %	77 %	48 lm/W	250 lm	259 lm
927901282721	PL-S 7W/827/2P/ALTO	91 %	89 %	86 %	57 lm/W	400 lm	405 lm
927901284121	PL-S 7W/841/2P/ALTO	91 %	89 %	86 %	57 lm/W	400 lm	405 lm
927901882721	PL-S 9W/827/2P/ALTO	91 %	89 %	86 %	67 lm/W	600 lm	583 lm
927901884121	PL-S 9W/841/2P/ALTO	91 %	89 %	86 %	67 lm/W	600 lm	583 lm
927902782721	PL-S 13W/827/2P/ALTO	91 %	89 %	86 %	-	825 lm	-
927902783521	PL-S 13W/835/2P/ALTO	91 %	89 %	86 %	-	825 lm	-
927902784121	PL-S 13W/841/2P/ALTO	91 %	89 %	86 %	-	825 lm	-
927902785021	PL-S 13W/850/2P/ALTO	91 %	89 %	86 %	-	810 lm	-
927902785022	PL-S 13W/850/2P/ALTO/BULK	91 %	89 %	86 %	-	810 lm	-

## PL-S Short 2-Pin Base

