



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

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Warnings and Safety

- Lamp contains mercury.
- Manage in Accord with Disposal Laws.
- See: www.lamprecycle.org or 1-800-555-0050

Versions



5 W G23



7W, G23, 2P

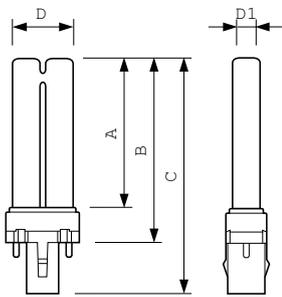


9W, G23, 2P



13W, GX23, 2P

Dimensional drawing



Product	D (max)	D1 (max)	A (max)	B (max)	C (max)
PL-S 5W/827/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	2-11/16 in	3-5/16 in	4-3/16 in
PL-S 7W/827/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	3-13/16 in	4-1/2 in	5-5/16 in
PL-S 7W/841/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	3-13/16 in	4-1/2 in	5-5/16 in
PL-S 9W/827/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	5-1/8 in	5-3/4 in	6-5/8 in
PL-S 9W/841/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	5-1/8 in	5-3/4 in	6-5/8 in
PL-S 13W/827/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	5-1/2 in	6-1/8 in	7 in
PL-S 13W/835/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	5-1/2 in	6-1/8 in	7 in
PL-S 13W/841/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	5-1/2 in	6-1/8 in	7 in
PL-S 13W/850/2P 1CT/ 5X10BOX ALTO	1-1/8 in	9/16 in	5-1/2 in	6-1/8 in	7 in

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Approval and application

Mercury (Hg) Content (Nom)	1.4 mg
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Controls and dimming

Dimmable	No
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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
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Temperature

Design Temperature (Nom)	82 °F
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Operating and electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Nom)
146712	PL-S 5W/827/2P 1CT/5X10BOX ALTO	0.180 A	5.4 W
148718	PL-S 7W/827/2P 1CT/5X10BOX ALTO	0.175 A	7.1 W
148734	PL-S 7W/841/2P 1CT/5X10BOX ALTO	0.175 A	7.1 W
148676	PL-S 9W/827/2P 1CT/5X10BOX ALTO	0.170 A	8.7 W
148700	PL-S 9W/841/2P 1CT/5X10BOX ALTO	0.170 A	8.7 W
146811	PL-S 13W/827/2P 1CT/5X10BOX ALTO	0.290 A	13 W
146845	PL-S 13W/835/2P 1CT/5X10BOX ALTO	0.290 A	13 W
146852	PL-S 13W/841/2P 1CT/5X10BOX ALTO	0.290 A	13 W
146878	PL-S 13W/850/2P 1CT/5X10BOX ALTO	0.290 A	13 W

General information

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)
146712	PL-S 5W/827/2P 1CT/5X10BOX ALTO	G23	6500 h
148718	PL-S 7W/827/2P 1CT/5X10BOX ALTO	G23	6500 h
148734	PL-S 7W/841/2P 1CT/5X10BOX ALTO	G23	6500 h
148676	PL-S 9W/827/2P 1CT/5X10BOX ALTO	G23	6500 h
148700	PL-S 9W/841/2P 1CT/5X10BOX ALTO	G23	6500 h

Order Code	Full Product Name	Cap-Base	Life To 10% Failures (Nom)
146811	PL-S 13W/827/2P 1CT/5X10BOX ALTO	GX23	6500 h
146845	PL-S 13W/835/2P 1CT/5X10BOX ALTO	GX23	0 h
146852	PL-S 13W/841/2P 1CT/5X10BOX ALTO	GX23	-
146878	PL-S 13W/850/2P 1CT/5X10BOX ALTO	GX23	0 h

Light technical (1/2)

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	LLMF 2000 h Rated
146712	PL-S 5W/827/2P 1CT/5X10BOX ALTO	827	Incandescent White	2700 K	89 %
148718	PL-S 7W/827/2P 1CT/5X10BOX ALTO	827	Incandescent White	2700 K	94 %
148734	PL-S 7W/841/2P 1CT/5X10BOX ALTO	841	Cool White (CW)	4100 K	94 %
148676	PL-S 9W/827/2P 1CT/5X10BOX ALTO	827	Incandescent White	2700 K	94 %
148700	PL-S 9W/841/2P 1CT/5X10BOX ALTO	841	Cool White (CW)	4100 K	94 %

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	LLMF 2000 h Rated
146811	PL-S 13W/827/2P 1CT/5X10BOX ALTO	827	Incandescent White	2700 K	94 %
146845	PL-S 13W/835/2P 1CT/5X10BOX ALTO	835	White (WH)	3500 K	94 %
146852	PL-S 13W/841/2P 1CT/5X10BOX ALTO	841	Cool White (CW)	4100 K	94 %
146878	PL-S 13W/850/2P 1CT/5X10BOX ALTO	850	Daylight	5000 K	94 %

Light technical (2/2)

Order Code	Full Product Name	LLMF 4000 h Rated	LLMF 6000 h Rated	LLMF 8000 h Rated	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
146712	PL-S 5W/827/2P 1CT/5X10BOX ALTO	83 %	80 %	77 %	48 lm/W	250 lm	259 lm
148718	PL-S 7W/827/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	57 lm/W	400 lm	405 lm
148734	PL-S 7W/841/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	57 lm/W	400 lm	405 lm

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Order Code	Full Product Name	LLMF 4000 h	LLMF 6000 h	LLMF 8000 h	Luminous Efficacy	Luminous Flux	
		Rated	Rated	Rated	(rated) (Nom)	Luminous Flux (Nom)	(Rated) (Nom)
148676	PL-S 9W/827/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	67 lm/W	600 lm	583 lm
148700	PL-S 9W/841/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	67 lm/W	600 lm	583 lm
146811	PL-S 13W/827/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	-	825 lm	-
146845	PL-S 13W/835/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	-	825 lm	-
146852	PL-S 13W/841/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	-	825 lm	-
146878	PL-S 13W/850/2P 1CT/5X10BOX ALTO	91 %	89 %	86 %	-	810 lm	-

