



The original!

PL-S is an efficient low-wattage compact fluorescent lamp, typically used for decorative and orientation purposes. The original Philips-invented bridge technology guarantees optimum performance in the application, enabling more light and higher efficacy than the bended technology. The 2-pin version is designed for operation on electromagnetic gear and is provided with a plug-in/pull-out lamp base.

Benefits

- Optimal light performance for short or long operation per switch on

- Long life and sustainable light output

Features

- 2-pin base with a housing incorporating the special instant starter and capacitor. For use on conventional copper iron ballasts and the radio interference suppression capacitor is installed. Dimming is not possible
- Lamp characteristics are influenced by operating conditions and control gear used

Application

- Designed for use in hotels, restaurants, theatres and homes
- Suitable for use in signs, corridors, security and orientation lighting

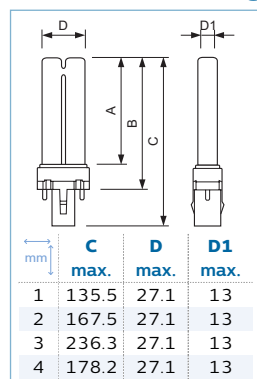
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Product Range



Dimension Drawing



Main Data

PL-S

Wattage/Light source color/ Pins	SAP Packing (Piece)/Packaging configuration	Cap-Base	Life to 50% Failures (h)	 mm	Photo letter	Ordering number
7.1W/827/2P	CT / 25	G23	8,000	B 1	A	871150070677500
7.1W/840/2P	CT / 25	G23	8,000	B 1	A	871150070678200
7.1W/865/2P	CT / 25	G23	8,000	B 1	A	871150063502000
8.6W/827/2P	CT / 25	G23	8,000	B 2	B	871150070679900
8.6W/840/2P	CT / 25	G23	8,000	B 2	B	871150070680500
8.6W/865/2P	CT / 25	G23	8,000	B 2	B	871150063506800
11.6W/827/2P	CT / 25	G23	8,000	A 3	C	871150070665200
11.6W/840/2P	CT / 25	G23	8,000	A 3	C	871150070666900
11.6W/865/2P	CT / 25	G23	8,000	A 3	C	692341076141200
11.6W/865/2P	CT / 25	G23	8,000	A 3	C	871150063510500
13W/827/2P	CT / 25	GX23	8,000	B 4	D	871150063819900
13W/840/2P	CT / 25	GX23	8,000	B 4	D	871150063822900
13W/865/2P	CT / 25	GX23	8,000	B 4	D	871150063828100

Electrical data

Commercial product name	Lamp Current (A)	Lamp power (W)	Voltage (V)
PL-S 7W/827/2P 1CT/25	0.175	7.1	47
PL-S 7W/840/2P 1CT/25	0.175	7.1	46
PL-S 7W/865/2P 1CT/25	0.175	7.1	46
PL-S 9W/827/2P 1CT/25	0.170	8.6	60
PL-S 9W/840/2P 1CT/25	0.170	8.6	60
PL-S 9W/865/2P 1CT/25	0.170	8.6	60
PL-S 11W/827/2P 1CT/25	0.160	11.6	89
PL-S 11W/840/2P 1CT/25	0.160	11.6	89
PL-S 11W/865/2P 1CT/25	0.160	11.6	89
PL-S 13W/827/2P 1CT/25	0.290	13.0	56
PL-S 13W/840/2P 1CT/25	0.290	13.0	56
PL-S 13W/865/2P 1CT/25	0.290	13.0	56

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Lifetime data

Commercial product name	Life to 50% Failures (h)
PL-S 7W/827/2P 1CT/25	8,000
PL-S 7W/840/2P 1CT/25	8,000
PL-S 7W/865/2P 1CT/25	8,000
PL-S 9W/827/2P 1CT/25	8,000
PL-S 9W/840/2P 1CT/25	8,000
PL-S 9W/865/2P 1CT/25	8,000
PL-S 11W/827/2P 1CT/25	8,000
PL-S 11W/840/2P 1CT/25	8,000
PL-S 11W/865/2P 1CT/25	8,000
PL-S 13W/827/2P 1CT/25	8,000
PL-S 13W/840/2P 1CT/25	8,000
PL-S 13W/865/2P 1CT/25	8,000

Color data

Commercial product name	Colour Rendering Index	Light source color ¹	Color Designation
PL-S 7W/827/2P 1CT/25	83	827	Incandescent White
PL-S 7W/840/2P 1CT/25	82	840	Cool White (CW)
PL-S 7W/865/2P 1CT/25	82	865	Cool Daylight
PL-S 9W/827/2P 1CT/25	>80	827	Incandescent White
PL-S 9W/840/2P 1CT/25	82	840	Cool White (CW)
PL-S 9W/865/2P 1CT/25	63	865	Cool Daylight
PL-S 11W/827/2P 1CT/25	>80	827	Incandescent White
PL-S 11W/840/2P 1CT/25	82	840	Cool White (CW)
PL-S 11W/865/2P 1CT/25	82	865	Cool Daylight
PL-S 13W/827/2P 1CT/25	>80	827	Incandescent White
PL-S 13W/840/2P 1CT/25	82	840	Cool White (CW)
PL-S 13W/865/2P 1CT/25	82	865	Cool Daylight

¹ 'Light source color' value description(s): '827' = CCT of 2700K, '840' = CCT of 4000K, '865' = CCT of 6500K

Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (lm)	Luminous Efficacy (Rated) (lm/W)
PL-S 7W/827/2P 1CT/25	405	57.0
PL-S 7W/840/2P 1CT/25	405	57.0
PL-S 7W/865/2P 1CT/25	400	54.0
PL-S 9W/827/2P 1CT/25	600	69.0
PL-S 9W/840/2P 1CT/25	600	67.0
PL-S 9W/865/2P 1CT/25	600	63.0
PL-S 11W/827/2P 1CT/25	893	77.0
PL-S 11W/840/2P 1CT/25	900	77.0

More data see next page

Commercial product name	Luminous Flux (lm)	Luminous Efficacy (Rated) (lm/W)
PL-S 11W/865/2P 1CT/25	900	72.0
PL-S 13W/827/2P 1CT/25	900	62.3
PL-S 13W/840/2P 1CT/25	900	66.0
PL-S 13W/865/2P 1CT/25	900	63.0

Rated Lumen Maintenance data

Commercial product name	Lumen Maintenance 2000 h (%)	Lumen Maintenance 5000 h (%)
PL-S 7W/827/2P 1CT/25	90	81
PL-S 7W/840/2P 1CT/25	90	80
PL-S 7W/865/2P 1CT/25	85	75
PL-S 9W/827/2P 1CT/25	90	81
PL-S 9W/840/2P 1CT/25	90	85
PL-S 9W/865/2P 1CT/25	85	80
PL-S 11W/827/2P 1CT/25	95	85
PL-S 11W/840/2P 1CT/25	95	85
PL-S 11W/865/2P 1CT/25	90	80
PL-S 13W/827/2P 1CT/25	85	80
PL-S 13W/840/2P 1CT/25	85	80
PL-S 13W/865/2P 1CT/25	82	77

Temperature data

Commercial product name	Correlated Color Temperature (K)	Default Ambient Temperature (°C)
PL-S 7W/827/2P 1CT/25	2,700	25
PL-S 7W/840/2P 1CT/25	4,000	25
PL-S 7W/865/2P 1CT/25	6,500	25
PL-S 9W/827/2P 1CT/25	2,700	25
PL-S 9W/840/2P 1CT/25	4,000	25
PL-S 9W/865/2P 1CT/25	6,500	25
PL-S 11W/827/2P 1CT/25	2,700	25
PL-S 11W/840/2P 1CT/25	4,000	25
PL-S 11W/865/2P 1CT/25	6,500	25
PL-S 13W/827/2P 1CT/25	2,700	25
PL-S 13W/840/2P 1CT/25	4,000	25
PL-S 13W/865/2P 1CT/25	6,500	25

Environmental data & ETIM group & Design Requirements

Commercial product name		Mercury (Hg) Content (mg)	ETIM Group ²
PL-S 7W/827/2P 1CT/25	B	1.4	EC000087
PL-S 7W/840/2P 1CT/25	B	1.4	EC000087
PL-S 7W/865/2P 1CT/25	B	1.4	EC000087
PL-S 9W/827/2P 1CT/25	B	1.4	EC000087
PL-S 9W/840/2P 1CT/25	B	1.4	EC000087
PL-S 9W/865/2P 1CT/25	B	1.4	EC000087
PL-S 11W/827/2P 1CT/25	A	1.4	EC000087
PL-S 11W/840/2P 1CT/25	A	1.4	EC000087
PL-S 11W/865/2P 1CT/25	A	1.4	EC000087
PL-S 13W/827/2P 1CT/25	B	1.4	EC000087
PL-S 13W/840/2P 1CT/25	B	1.4	EC000087
PL-S 13W/865/2P 1CT/25	B	1.4	EC000087

² 'ETIM Group' value description(s): 'EC000087' = Compact Fluor Lamp Non Integrated



Operating data

Commercial product name	Default Burning Position	Default Gear		Default Cycle Time
PL-S 7W/827/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 7W/840/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 7W/865/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 9W/827/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 9W/840/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 9W/865/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 11W/827/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 11W/840/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 11W/865/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 13W/827/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 13W/840/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle
PL-S 13W/865/2P 1CT/25	Base up	Electromagnetic	No	3 hour cycle

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Miscellaneous & General data

Commercial product name	Cap-Base	Cap-Base Information ³	ILCOS Code
PL-S 7W/827/2P 1CT/25	G23	2P	FSD-7/27/1B-I-G23
PL-S 7W/840/2P 1CT/25	G23	2P	
PL-S 7W/865/2P 1CT/25	G23	2P	
PL-S 9W/827/2P 1CT/25	G23	2P	FSD-9/27/1B-I-G23
PL-S 9W/840/2P 1CT/25	G23	2P	
PL-S 9W/865/2P 1CT/25	G23	2P	
PL-S 11W/827/2P 1CT/25	G23	2P	FSD-11/27/1B-I-G23
PL-S 11W/840/2P 1CT/25	G23	2P	
PL-S 11W/865/2P 1CT/25	G23	2P	
PL-S 13W/827/2P 1CT/25	GX23	2P	
PL-S 13W/840/2P 1CT/25	GX23	2P	
PL-S 13W/865/2P 1CT/25	GX23	2P	

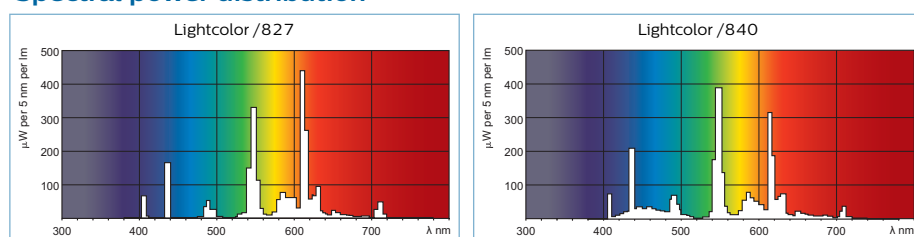
³ 'Cap-Base Information' value description(s): '2P' = 2 Pins

Logistic data

Commercial product name	SAP Packing (Piece)/Packaging configuration ⁴	Numerator - Packs per outer box	Ordering number	Material Nr. (12NC)	SAP Gross Weight (Piece)	Net Weight (Piece)	EAN-3
				(9279...)	(g)	(g)	
PL-S 7W/827/2P 1CT/25	CT / 25	25	871150070677500	01108265	33	27	8711500534002
PL-S 7W/840/2P 1CT/25	CT / 25	25	871150070678200	01108465	33	27	8711500534019
PL-S 7W/865/2P 1CT/25	CT / 25	25	871150063502000	01186565	33	27	8711500534026
PL-S 9W/827/2P 1CT/25	CT / 25	25	871150070679900	01708265	40	32	8711500534033
PL-S 9W/840/2P 1CT/25	CT / 25	25	871150070680500	01708465	40	32	8711500534040
PL-S 9W/865/2P 1CT/25	CT / 25	25	871150063506800	01786565	40	32	8711500534057
PL-S 11W/827/2P 1CT/25	CT / 25	25	871150070665200	02308265	54	43	8711500534064
PL-S 11W/840/2P 1CT/25	CT / 25	25	871150070666900	02308465	54	43	8711500534071
PL-S 11W/865/2P 1CT/25	CT / 25	25	692341076141200	02386503	54	43	6923410762457
PL-S 11W/865/2P 1CT/25	CT / 25	25	871150063510500	02386565	54	43	8711500534088
PL-S 13W/827/2P 1CT/25	CT / 25	25	871150063819900	02882765	43	35	8711500534095
PL-S 13W/840/2P 1CT/25	CT / 25	25	871150063822900	02884065	43	35	8711500534101
PL-S 13W/865/2P 1CT/25	CT / 25	25	871150063828100	02886565	43	35	8711500534125

⁴ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'CT / 25' = CARTON

Spectral power distribution



Cap-Base Overview

