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The original!

MASTER 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
- Multiple light color choice
- Good color rendering (CRI > 80)

Features

- 2-pin base with a housing incorporating the special instant starter and capacitor
- Fluorescent tri-phosphor technology
- Low light depreciation over lamp life

Environment

- Good environmental choice because of high energy efficiency, long life and low light output depreciation, lowest mercury content

- Compliant with all RoHS and WEEE requirements: the lamps have a very low content of mercury, are lead free and make no use of hazardous flame retardants

Application

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

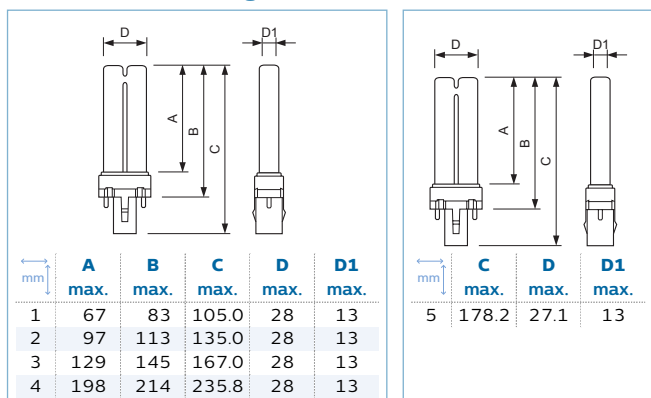
Warnings and Safety

- Use only with electromagnetic control gear
- Lamp light technical and electrical characteristics are influenced by operating conditions, i. e. lamp ambient temperature and operating position
- Dimming is not possible
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product Range



Dimension Drawing



Main Data

MASTER PL-S

Wattage/Light source color/Pins	SAP Packing (Piece)/Packaging configuration	Cap - Base	Luminous Flux (Rated)	Life to 50% Failures	Energy Consumption kWh/1000 h	mm		Photo letter	Ordering number
			(lm)	(h)	(kWh)				
5.4W/827/2P	CT / 50	G23	259	10,000	7	B	1	A	871150026045170
5.4W/840/2P	CT / 50	G23	259	10,000	7	B	1	A	871150026048270
7.1W/827/2P	CT / 50	G23	405	10,000	9	B	2	B	871150026057470
7.1W/830/2P	CT / 50	G23	405	10,000	9	B	2	B	871150026062870
7W/840/2P	CT / 50	G23	405	10,000	9	B	2	B	871150026065970
8.7W/827/2P	CT / 50	G23	583	10,000	11	A	3	C	871150026079670
8.7W/830/2P	CT / 50	G23	583	10,000	11	A	3	C	871150026084070
8.7W/840/2P	CT / 50	G23	583	10,000	11	A	3	C	871150026087170
11.6W/827/2P	CT / 50	G23	893	10,000	14	A	4	D	871150026101470
11.6W/830/2P	CT / 50	G23	893	10,000	14	A	4	D	871150026106970
11.6W/840/2P	CT / 50	G23	893	10,000	14	A	4	D	871150026109070
13W/827/2P	CT / 10	GX23		8,000		B	5	E	871869965539600
13W/840/2P	CT / 10	GX23		8,000		B	5	E	871869965541900
13W/865/2P	CT / 10	GX23		8,000		B	5	E	871869965545700



Electrical data

Commercial product name	Lamp Current (A)	Lamp power (W)	Voltage (V)
MASTER PL-S 5W/827/2P 1CT/5X10BOX	0.180	5.4	
MASTER PL-S 5W/840/2P 1CT/5X10BOX	0.180	5.4	
MASTER PL-S 7W/827/2P 1CT/5X10BOX	0.175	7.1	
MASTER PL-S 7W/830/2P 1CT/5X10BOX	0.175	7.1	
MASTER PL-S 7W/840/2P 1CT/5X10BOX	0.175	7.0	
MASTER PL-S 9W/827/2P 1CT/5X10BOX	0.170	8.7	
MASTER PL-S 9W/830/2P 1CT/5X10BOX	0.170	8.7	
MASTER PL-S 9W/840/2P 1CT/5X10CC	0.170	8.7	
MASTER PL-S 11W/827/2P 1CT/5X10BOX	0.155	11.6	
MASTER PL-S 11W/830/2P 1CT/5X10BOX	0.155	11.6	
MASTER PL-S 11W/840/2P 1CT/5X10BOX	0.155	11.6	
MASTER PL-S 13W/827/2P 1CT/10	0.290	13.0	56
MASTER PL-S 13W/840/2P 1CT/10	0.290	13.0	56
MASTER PL-S 13W/865/2P 1CT/10	0.290	13.0	56

Lifetime data

Commercial product name	Life To 10% Failures (h)	Life to 50% Failures (h)
MASTER PL-S 5W/827/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 5W/840/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 7W/827/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 7W/830/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 7W/840/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 9W/827/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 9W/830/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 9W/840/2P 1CT/5X10CC	6,500	10,000
MASTER PL-S 11W/827/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 11W/830/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 11W/840/2P 1CT/5X10BOX	6,500	10,000
MASTER PL-S 13W/827/2P 1CT/10		8,000
MASTER PL-S 13W/840/2P 1CT/10		8,000
MASTER PL-S 13W/865/2P 1CT/10		8,000

Color data

Commercial product name	Colour Rendering Index	Light source color ¹	Color Designation
MASTER PL-S 5W/827/2P 1CT/5X10BOX	82	827	Incandescent White
MASTER PL-S 5W/840/2P 1CT/5X10BOX	82	840	Cool White (CW)
MASTER PL-S 7W/827/2P 1CT/5X10BOX	82	827	Incandescent White
MASTER PL-S 7W/830/2P 1CT/5X10BOX	82	830	Warm White (WW)
MASTER PL-S 7W/840/2P 1CT/5X10BOX	82	840	Cool White (CW)
MASTER PL-S 9W/827/2P 1CT/5X10BOX	82	827	Incandescent White
MASTER PL-S 9W/830/2P 1CT/5X10BOX	82	830	Warm White (WW)
MASTER PL-S 9W/840/2P 1CT/5X10CC	82	840	Cool White (CW)
MASTER PL-S 11W/827/2P 1CT/5X10BOX	82	827	Incandescent White
MASTER PL-S 11W/830/2P 1CT/5X10BOX	82	830	Warm White (WW)
MASTER PL-S 11W/840/2P 1CT/5X10BOX	82	840	Cool White (CW)
MASTER PL-S 13W/827/2P 1CT/10	>80	827	Incandescent White
MASTER PL-S 13W/840/2P 1CT/10	82	840	Cool White (CW)
MASTER PL-S 13W/865/2P 1CT/10	82	865	Cool Daylight

¹ 'Light source color' value description(s): '827' = CCT of 2700K, '830' = CCT of 3000K, '840' = CCT of 4000K, '865' = CCT of 6500K

Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (Rated)	Luminous Flux	Luminous Efficacy (Rated)
	(lm)	(lm)	(lm/W)
MASTER PL-S 5W/827/2P 1CT/5X10BOX	259	250	
MASTER PL-S 5W/840/2P 1CT/5X10BOX	259	250	48.0
MASTER PL-S 7W/827/2P 1CT/5X10BOX	405	400	57.0
MASTER PL-S 7W/830/2P 1CT/5X10BOX	405	400	57.0
MASTER PL-S 7W/840/2P 1CT/5X10BOX	405	400	57.0
MASTER PL-S 9W/827/2P 1CT/5X10BOX	583	600	67.0
MASTER PL-S 9W/830/2P 1CT/5X10BOX	583	600	67.0
MASTER PL-S 9W/840/2P 1CT/5X10CC	583	600	67.0
MASTER PL-S 11W/827/2P 1CT/5X10BOX	893	900	77.0
MASTER PL-S 11W/830/2P 1CT/5X10BOX	893	900	77.0
MASTER PL-S 11W/840/2P 1CT/5X10BOX	893	900	77.0
MASTER PL-S 13W/827/2P 1CT/10		900	62.3
MASTER PL-S 13W/840/2P 1CT/10		900	66.0
MASTER PL-S 13W/865/2P 1CT/10		900	63.0

Rated Lumen Maintenance data

Commercial product name	Lumen Maintenance 2000 h	LLMF 2000 h Rated	LLMF 4000 h Rated	Lumen Maintenance 5000 h	LLMF 6000 h Rated	LLMF 8000 h Rated
	(%)	(%)	(%)	(%)	(%)	(%)
MASTER PL-S 5W/827/2P 1CT/5X10BOX		89	83		80	77
MASTER PL-S 5W/840/2P 1CT/5X10BOX		89	83		80	77
MASTER PL-S 7W/827/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 7W/830/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 7W/840/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 9W/827/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 9W/830/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 9W/840/2P 1CT/5X10CC		94	91		89	86
MASTER PL-S 11W/827/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 11W/830/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 11W/840/2P 1CT/5X10BOX		94	91		89	86
MASTER PL-S 13W/827/2P 1CT/10	85			80		
MASTER PL-S 13W/840/2P 1CT/10	85			80		
MASTER PL-S 13W/865/2P 1CT/10	82			77		




Temperature data

Commercial product name	Correlated Color Temperature (K)	Design Temperature (°C)	Default Ambient Temperature (°C)
MASTER PL-S 5W/827/2P 1CT/5X10BOX	2,700	28	25
MASTER PL-S 5W/840/2P 1CT/5X10BOX	4,000	28	25
MASTER PL-S 7W/827/2P 1CT/5X10BOX	2,700	28	25
MASTER PL-S 7W/830/2P 1CT/5X10BOX	3,000	28	25
MASTER PL-S 7W/840/2P 1CT/5X10BOX	4,000	28	25
MASTER PL-S 9W/827/2P 1CT/5X10BOX	2,700	28	25
MASTER PL-S 9W/830/2P 1CT/5X10BOX	3,000	28	25
MASTER PL-S 9W/840/2P 1CT/5X10CC	4,000	28	25
MASTER PL-S 11W/827/2P 1CT/5X10BOX	2,700	28	25
MASTER PL-S 11W/830/2P 1CT/5X10BOX	3,000	28	25
MASTER PL-S 11W/840/2P 1CT/5X10BOX	4,000	28	25
MASTER PL-S 13W/827/2P 1CT/10	2,700		25
MASTER PL-S 13W/840/2P 1CT/10	4,000		25
MASTER PL-S 13W/865/2P 1CT/10	6,500		25



Environmental data & ETIM group & Design Requirements


Commercial product name	Energy Consumption kWh/ 1000 h (kWh)		Mercury (Hg) Content (mg)	ETIM Group ²
MASTER PL-S 5W/827/2P 1CT/5X10BOX	7	B	1.4	EC000087
MASTER PL-S 5W/840/2P 1CT/5X10BOX	7	B	1.4	EC000087
MASTER PL-S 7W/827/2P 1CT/5X10BOX	9	B	1.4	EC000087
MASTER PL-S 7W/830/2P 1CT/5X10BOX	9	B	1.4	EC000087
MASTER PL-S 7W/840/2P 1CT/5X10BOX	9	B	1.4	EC000087
MASTER PL-S 9W/827/2P 1CT/5X10BOX	11	A	1.4	EC000087
MASTER PL-S 9W/830/2P 1CT/5X10BOX	11	A	1.4	EC000087
MASTER PL-S 9W/840/2P 1CT/5X10CC	11	A	1.4	EC000087
MASTER PL-S 11W/827/2P 1CT/5X10BOX	14	A	1.4	EC000087
MASTER PL-S 11W/830/2P 1CT/5X10BOX	14	A	1.4	EC000087
MASTER PL-S 11W/840/2P 1CT/5X10BOX	14	A	1.4	EC000087
MASTER PL-S 13W/827/2P 1CT/10		B	1.4	EC000087
MASTER PL-S 13W/840/2P 1CT/10		B	1.4	EC000087
MASTER PL-S 13W/865/2P 1CT/10		B	1.4	EC000087

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

Rated Survival Factor data

Commercial product name	LSF 2000 h Rated (%)	LSF 4000 h Rated (%)	LSF 6000 h Rated (%)	LSF 8000 h Rated (%)
MASTER PL-S 5W/827/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 5W/840/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 7W/827/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 7W/830/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 7W/840/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 9W/827/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 9W/830/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 9W/840/2P 1CT/5X10CC	99	98	95	86
MASTER PL-S 11W/827/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 11W/830/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 11W/840/2P 1CT/5X10BOX	99	98	95	86
MASTER PL-S 13W/827/2P 1CT/10				
MASTER PL-S 13W/840/2P 1CT/10				
MASTER PL-S 13W/865/2P 1CT/10				

Operating data

Commercial product name	Default Burning Position	Default Gear		Default Cycle Time
MASTER PL-S 5W/827/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 5W/840/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 7W/827/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 7W/830/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 7W/840/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 9W/827/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 9W/830/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 9W/840/2P 1CT/5X10CC	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 11W/827/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 11W/830/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 11W/840/2P 1CT/5X10BOX	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 13W/827/2P 1CT/10	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 13W/840/2P 1CT/10	Base up	Electromagnetic	No	3 hour cycle
MASTER PL-S 13W/865/2P 1CT/10	Base up	Electromagnetic	No	3 hour cycle



Miscellaneous & General data

Commercial product name	Cap-Base	Cap-Base Information ³	ILCOS Code
MASTER PL-S 5W/827/2P 1CT/5X10BOX	G23	2P	FSD-5/27/1B-I-G23
MASTER PL-S 5W/840/2P 1CT/5X10BOX	G23	2P	FSD-5/40/1B-I-G23
MASTER PL-S 7W/827/2P 1CT/5X10BOX	G23	2P	FSD-7/27/1B-I-G23
MASTER PL-S 7W/830/2P 1CT/5X10BOX	G23	2P	FSD-7/30/1B-I-G23
MASTER PL-S 7W/840/2P 1CT/5X10BOX	G23	2P	FSD-7/40/1B-I-G23
MASTER PL-S 9W/827/2P 1CT/5X10BOX	G23	2P	FSD-9/27/1B-I-G23
MASTER PL-S 9W/830/2P 1CT/5X10BOX	G23	2P	FSD-9/30/1B-I-G23
MASTER PL-S 9W/840/2P 1CT/5X10CC	G23	2P	FSD-9/40/1B-I-G23
MASTER PL-S 11W/827/2P 1CT/5X10BOX	G23	2P	FSD-11/27/1B-I-G23
MASTER PL-S 11W/830/2P 1CT/5X10BOX	G23	2P	FSD-11/30/1B-I-G23
MASTER PL-S 11W/840/2P 1CT/5X10BOX	G23	2P	FSD-11/40/1B-I-G23
MASTER PL-S 13W/827/2P 1CT/10	GX23	2P	
MASTER PL-S 13W/840/2P 1CT/10	GX23	2P	
MASTER PL-S 13W/865/2P 1CT/10	GX23	2P	

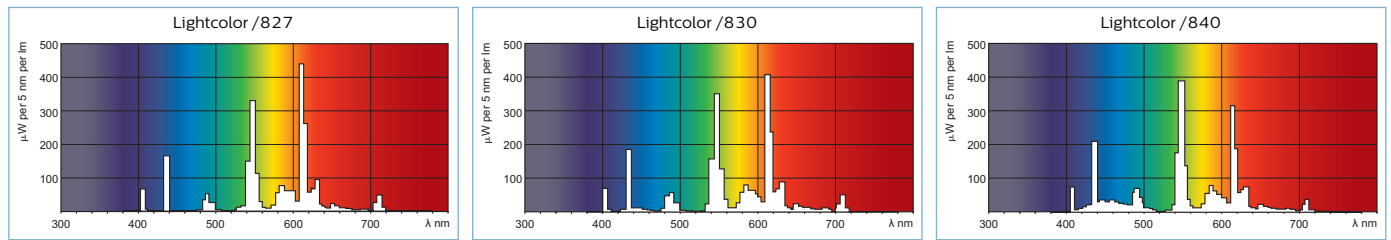
³ 'Cap-Base Information' value description(s): '2P' = 2 Pins

Logistic data

Commercial product name	SAP Packing (Piece)/Pack-aging configuration ⁴	Numerator - Packs per -outer box	Ordering number	Material Nr. (12NC)	SAP Gross Weight (Piece)	Net Weight (Piece)	EAN-3
				(9279...)	(g)	(g)	
MASTER PL-S 5W/827/2P 1CT/5X10BOX	CT / 50	50	871150026045170	35282711	30.5	22	8711500260475
MASTER PL-S 5W/840/2P 1CT/5X10BOX	CT / 50	50	871150026048270	35284011	30.5	22	8711500260505
MASTER PL-S 7W/827/2P 1CT/5X10BOX	CT / 50	50	871150026057470	35682711	36.2	26	8711500260598
MASTER PL-S 7W/830/2P 1CT/5X10BOX	CT / 50	50	871150026062870	35683011	36.2	26	8711500260642
MASTER PL-S 7W/840/2P 1CT/5X10BOX	CT / 50	50	871150026065970	35684011	36.2	26	8711500260673
MASTER PL-S 9W/827/2P 1CT/5X10BOX	CT / 50	50	871150026079670	36082711	43.8	32	8711500260819
MASTER PL-S 9W/830/2P 1CT/5X10BOX	CT / 50	50	871150026084070	36083011	43.8	32	8711500260864
MASTER PL-S 9W/840/2P 1CT/5X10CC	CT / 50	50	871150026087170	36084011	43.8	32	8711500260895
MASTER PL-S 11W/827/2P 1CT/5X10BOX	CT / 50	50	871150026101470	36482711	58.2	43	8711500261038
MASTER PL-S 11W/830/2P 1CT/5X10BOX	CT / 50	50	871150026106970	36483011	58.2	43	8711500261083
MASTER PL-S 11W/840/2P 1CT/5X10BOX	CT / 50	50	871150026109070	36484011	58.2	43	8711500261113
MASTER PL-S 13W/827/2P 1CT/10	CT / 10	10	871869965539600	02882766	50.1	35	8718699655402
MASTER PL-S 13W/840/2P 1CT/10	CT / 10	10	871869965541900	02884066	50.1	35	8718699655426
MASTER PL-S 13W/865/2P 1CT/10	CT / 10	10	871869965545700	02886566	50.1	35	8718699655464

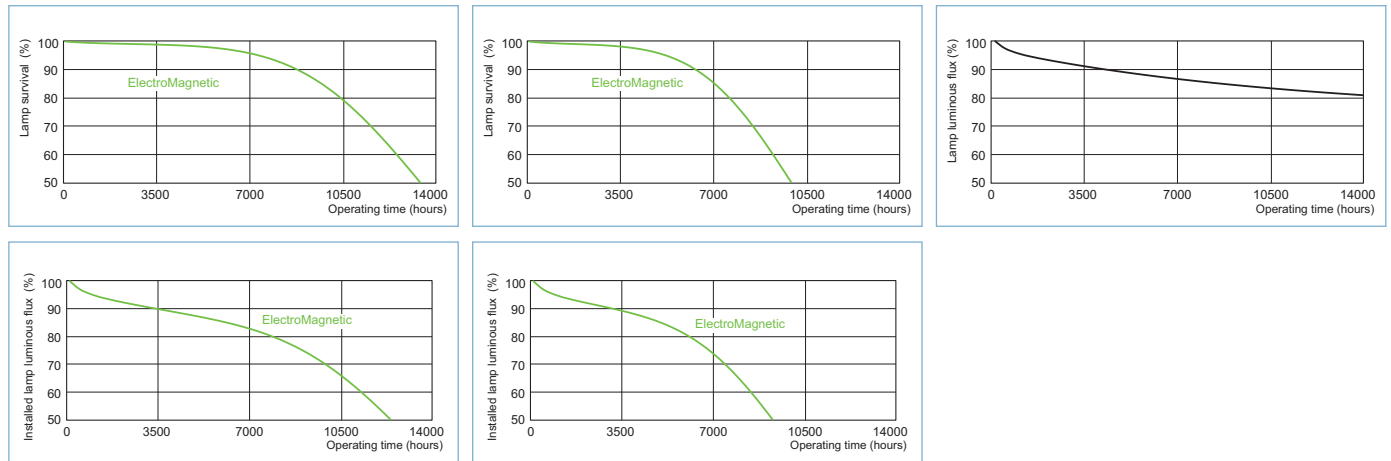
⁴ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'CT / 10' = CARTON, 'CT / 50' = CARTON

Spectral power distribution



Performance diagrams

23993-23994-23995-23996-23997-23998-23999-24000-24001-24002-24003



Cap-Base Overview

