MASTER PL-S 2 Pin

MASTER PL-S 9W/827/2P 1CT

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.

Product data

• General Characteristics

Cap-Base	G23 [Two-Pin Compact Fluorescent; low preheat current; two retainers]
Cap-Base Information	2P
Life to 50% failures EM	10000 hr
Life to 10% failures EM	6500 hr
LSF EM 8000h Rated, 3h cycle	86 %
LSF EM 6000h Rated, 3h cycle	95 %
LSF EM 4000h Rated, 3h cycle	98 %
LSF EM 2000h Rated, 3h cycle	99 %

• Light Technical Characteristics

Color Code	827 [CCT of 2700K]
Color Rendering Index	82 Ra8
Color Designation (text)	Incandescent White
Color Temperature	2700 K
Chromaticity Coordinate X	455 -
Chromaticity Coordinate Y	417 -
Lum Efficacy Rated EM 25°C	67 Lm/W
LLMF EM 8000h Rated	86 %
LLMF EM 6000h Rated	89 %
LLMF EM 4000h Rated	91 %
LLMF EM 2000h Rated	94 %
Luminous Flux EM 25°C, Rated	583 Lm
Luminous Flux EM 25°C, Nominal	600 Lm
Design Temperature	28 C

• Electrical Characteristics

Lamp Wattage	9 W
Dimmable	No
Lamp Current EM 25°C	0.170 A
Lamp Wattage EM 25°C, Rated	8.7 W
Lamp Wattage EM 25°C, Nominal	9 W
Lamp Voltage EM 25°C	60 V

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg

• Product Dimensions

Base Face to Base Face A	129 (max) mm
Insertion Length B	145 (max) mm
Overall Length C	167 (max) mm
Diameter D	28 (max) mm
Diameter D1	13 (max) mm

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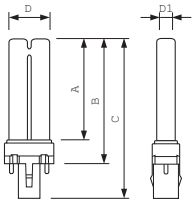
- Product Data

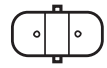
Order code	260796 70
Full product code	871150026079670
Full product name	MASTER PL-S 9W/827/2P 1CT
Order product name	MASTER PL-S 9W/827/2P 1CT/ 5X10BOX
Pieces per pack	1
Packing configuration	5X10CC
Packs per outerbox	50
Bar code on pack - EAN1	8711500260796
Bar code on intermediate packing - EAN2	8711500260802
Bar code on outerbox - EAN3	8711500260819
Logistic code(s) - 12NC	927936082711
ILCOS code	FSD-9/27/1B-I-G23
Net weight per piece	32.000 gr

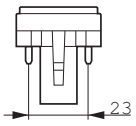
Warnings and Safety

- 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

Dimensional drawing





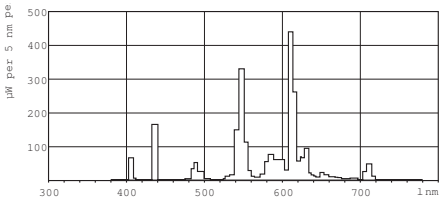


G23/GX23, 2P

Product	A (Max)	B (Max)	C (Max)	D (Max)	D1 (Max)
PL-S 9W/827/2P LM	129	145	167	28	13

MASTER PL-S 2 Pin

Photometric data



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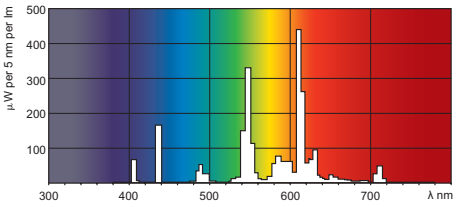

Lightcolor /827

Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.
1.3 Product information requirements on lamps
a) Nominal and rated lamp wattage;
b) Nominal and rated lamp luminous flux;
c) Rated lamp efficacy at 100 h in standard conditions (25 °C, for T5 lamps at 35 °C). For fluorescent lamps both at 50 Hz (mains frequency) operation (where applicable) and at High Frequency (> 50 Hz) operation (where applicable) for the same rated luminous flux in all cases, indicating for High Frequency operation the calibration current of the test conditions and/or the rated voltage of the HF generator with the resistance. It shall be stated in a conspicuous manner that the power dissipated by auxiliary equipment such as ballasts is not included in the power consumed by the source;
d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
f) Lamp mercury content as X.X mg;
g) Colour Rendering Index (Ra) of the lamp;
h) Colour temperature of the lamp;
i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;
j) For fluorescent lamps without integrated ballast, the energy efficiency index(es) of ballasts as defined in Table 17 with which the lamp can operate.
See Table 17-EuP245.pdf for Table 17 – Energy efficiency index requirements for non-dimmable ballasts for fluorescent lamps.
For more information see: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF

www.philips.com/lighting

2011, October 29
data subject to change