MASTER PL-C 4 Pin

MASTER PL-C 18W/830/4P 1CT

Energy-saving compact fluorescent lamps Compact long-arc low-pressure mercury discharge lamp Envelope consists of 4 parallel narrow fluorescent tubes

Product data

• General Characteristics

Cap-Base	G24q-2
Cap-Base Information	4P
Life to 50% failures EM	10000 hr
Life to 50% fail Preheat EL,3h	13000 hr
Life to 50% fail Nonpreh EL,3h	7000 hr
Life to 10% fail Nonpreh EL,3h	4500 hr
Life to 10% fail Preheat EL,3h	8000 hr
Life to 10% failures EM	6500 hr
LSF HF Preheat 12000h Rated,3h	60 %
LSF HF Preheat 8000h Rated,3h	90 %
LSF HF Preheat 6000h Rated,3h	97 %
LSF HF Preheat 4000h Rated,3h	98 %
LSF HF Preheat 2000h Rated,3h	99 %

• Electrical Characteristics

Lamp Wattage	18 W
Lamp Voltage EL 25°C	80 V
Lamp Current EL 25°C	0.210 A
Dimmable	yes
Lamp Current EM 25°C	0.220 A
Lamp Wattage EM 25°C, Rated	18.0 W
Lamp Wattage EL 25°C, Rated	16.5 W
Lamp Wattage EL 25°C, Nominal	18 W
Lamp Voltage EM 25°C	100 V

• Environmental Characteristics

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

• Light Technical Characteristics

Colour Code	830 [CCT of 3000K]
Colour Rendering Index	82 Ra8
Colour Designation	Warm white
Colour Temperature	3000 K
Chromaticity Coordinate X	435 -
Chromaticity Coordinate Y	400 -
Lum Efficacy Rated HF 25°C	73 Lm/W
Lum Efficacy Rated EM 25°C	73 Lm/W
LLMF HF 12000h Rated	81 %
LLMF HF 8000h Rated	84 %
LLMF HF 6000h Rated	86 %

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LLMF HF 4000h Rated	88 %
LLMF HF 2000h Rated	92 %
Luminous Flux EM 25°C, Rated	1200 Lm
Luminous Flux EL 25°C, Rated	1200 Lm
Luminous Flux EL 25°C, Nominal	1200 Lm
Luminous Flux EM 25°C, Nominal	1200 Lm
Design Temperature	28 C

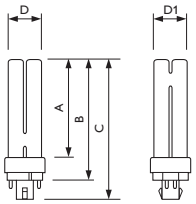
• Product Dimensions

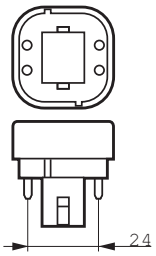
Base Face to Base Face A	109.7 (max) mm
Insertion Length B	128.0 (max) mm
Overall Length C	142.9 (max) mm
Diameter D	27.1 (max) mm
Diameter D1	27.1 (max) mm

• Product Data

Order code	623331 70
Full product code	871150062333170
Full product name	MASTER PL-C 18W/830/4P 1CT
Order product name	MASTER PL-C 18W/830/4P 1CT/ 5X10CC
Pieces per pack	1
Packing configuration	5X10CC
Packs per outerbox	50
Bar code on pack - EAN1	8711500623331
Bar code on inter-mediate packing - EAN2	8711500624239
Bar code on outerbox - EAN3	8711500715890
Logistic code(s) - 12NC	927905608380
ILCOS code	FSQ-18/30/1B-E-G24q=2
Net weight per piece	55.300 gr

Dimensional drawing





2002-06-19: new lamp cap with no details

Product	A (Max)	B (Max)	C (Max)	D (Max)	D1 (Max)
PL-C 18W/830/4P	109.7	128.0	142.9	27.1	27.1

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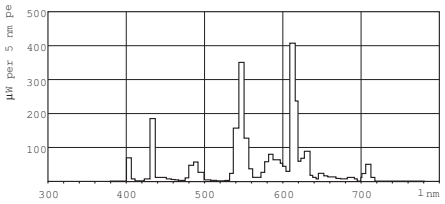
Photometric data



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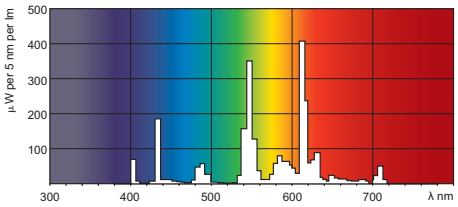

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Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.
1.3 Product information requirements on lamps
a) Nominal and rated lamp wattage;
b) Nominal and rated 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, May 8
data subject to change