



MASTER PL-L 4 Pin

MASTER PL-L 55W/840/4P 1CT

Energy-saving compact fluorescent lamps Compact long-arc low-pressure mercury discharge lamp Envelope consists of 2 parallel fluorescent tubes

Product data

• General Characteristics

System Description	High Frequency [High Frequency]
Cap-Base	2G11
Cap-Base Information	4P
Life to 50% fail	20000 hr
Preheat EL,3h	
Life to 50% fail	10000 hr
Nonpreh EL,3h	
Life to 10% fail	7500 hr
Nonpreh EL,3h	
Life to 10% fail	14000 hr
Preheat EL,3h	
LSF HF Preheat	50 %
20000h Rated,3h	
LSF HF Preheat	94 %
12000h Rated,3h	
LSF HF Preheat	97 %
8000h Rated,3h	
LSF HF Preheat	98 %
6000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	82 %
16000h Rated,3h	

• Electrical Characteristics

Lamp Wattage	55 W
Lamp Voltage EL	105 V
25°C	
Lamp Current EL	0.525 A
25°C	
Dimmable	yes
Lamp Wattage EL	55.0 W
25°C. Rated	

Lamp Wattage EL	55 W
25°C, Nominal	

• Environmental Characteristics

Energy Efficiency	A
Label (EEL)	
Mercury (Hg)	2.0 mg
Content	

• Light Technical Characteristics

Colour Code	840 [CCT of 4000K]
Colour Rendering	82 Ra8
Index	
Colour Designation	Cool White
Colour Temperature	4000 K
Chromaticity Coordinate X	385 -
Chromaticity Coordinate Y	380 -
LLMF HF 20000h	90 %
Rated	
LLMF HF 16000h	90 %
Rated	
LLMF HF 12000h	91 %
Rated	
LLMF HF 8000h	92 %
Rated	
LLMF HF 6000h	93 %
Rated	
LLMF HF 4000h	94 %
Rated	
LLMF HF 2000h	95 %
Rated	
Luminous Flux EL	4800 Lm
25°C, Rated	



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Luminous Flux EL 25°C, Nominal	4800 Lm
Lum Flux Rated HF 25°C,horiz	4800 Lm
Lum Flux Nominal HF 25°C,horiz	4800 Lm
Lum Efficacy Rated HF 25°C,hor	87 Lm/W
Design Temperature	30 C

• Product Dimensions

Base Face to Base Face A	509.2 (max) mm
Insertion Length B	535 (max) mm
Overall Length C	541.6 (max) mm
Diameter D	37.7 (max) mm
Diameter D1	18 (max) mm

• Measuring Conditions

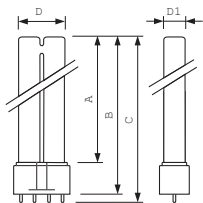
Calibration Current	0.550 A
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HF Generator Rated Voltage	202 V
Resistor	185 ohm

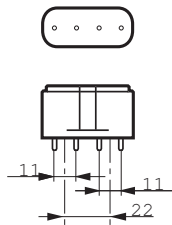
• Product Data

Order code	615428 40
Full product code	871150061542840
Full product name	MASTER PL-L 55W/840/4P 1CT
Order product name	MASTER PL-L 55W/840/4P 1CT/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8711500615428
Bar code on outerbox - EAN3	8711500615527
Logistic code(s) - 12NC	927908708470
ILCOS code	FSDH-55/40/1B-L/P-2G11
Net weight per piece	134.000 gr

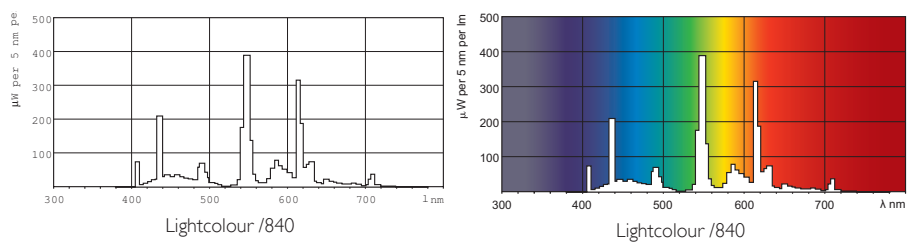
Dimensional drawing



Product	A (Max)	B (Max)	C (Max)	D (Max)	D1 (Max)
PL-L 55W/840/4P HF	509.2	535	541.6	37.7	18



Photometric data



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>



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2011, May 8
data subject to change