



# MASTER PL-L 4 Pin

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

MASTER PL-L is a medium to high-wattage linear compact fluorescent lamp, typically used for general-illumination ceiling luminaires in retail, hospitality and office applications demanding higher lighting levels. The original Philips-invented bridge technology guarantees optimum performance in the application, enabling more light and higher efficacy than the bended technology. It is designed for operation on electromagnetic as well as electronic HF control gear and is provided with a plug-in/pull-out lamp base.

### 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       | 82 %                            |
| 16000h 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       |                                 |

#### • Light Technical Characteristics

|                           |                    |
|---------------------------|--------------------|
| Color Code                | 840 [CCT of 4000K] |
| Color Rendering Index     | 82 Ra8             |
| Color Designation (text)  | Cool White         |
| Color Temperature         | 4000 K             |
| Chromaticity Coordinate X | 385 -              |

|                                |         |
|--------------------------------|---------|
| Chromaticity Coordinate Y      | 380 -   |
| LLMF HF 20000h Rated           | 90 %    |
| LLMF HF 16000h Rated           | 90 %    |
| LLMF HF 12000h Rated           | 91 %    |
| LLMF HF 8000h Rated            | 92 %    |
| LLMF HF 6000h Rated            | 93 %    |
| LLMF HF 4000h Rated            | 94 %    |
| LLMF HF 2000h Rated            | 95 %    |
| Luminous Flux EL 25°C, Rated   | 4800 Lm |
| 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    |

#### • Electrical Characteristics

|                      |         |
|----------------------|---------|
| Lamp Wattage         | 55 W    |
| Lamp Voltage EL 25°C | 105 V   |
| Lamp Current EL 25°C | 0.525 A |
| Dimmable             | Yes     |



# MASTER PL-L 4 Pin

Lamp Wattage EL 55.0 W  
 25°C, Rated  
 Lamp Wattage EL 55 W  
 25°C, Nominal

Insertion Length B 535 (max) mm  
 Overall Length C 541.6 (max) mm  
 Diameter D 39.0 (max) mm  
 Diameter D1 18.0 (max) mm

### • Environmental Characteristics

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

### • Measuring Conditions

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

### • Product Dimensions

Base Face to Base 509.2 (max) mm  
 Face A

### • Product Data

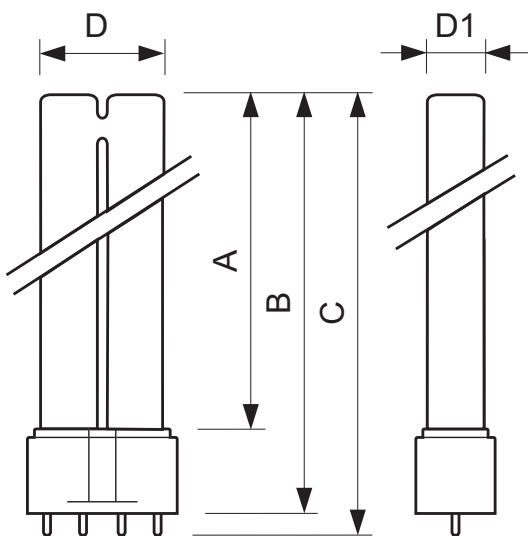
Order code 927908708470  
 Full product code 927908708470  
 Full product name MASTER PL-L 55W/840/4P 1CT  
 Order product name MASTER PL-L 55W/840/4P 1CT/25  
 Pieces per pack 1  
 Packing configuration 25  
 Packs per outerbox 25  
 Bar code on pack - EAN1 8711500615428  
 Bar code on outerbox - EAN3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

## Warnings and Safety

- Lamp light technical and electrical characteristics are influenced by operating conditions, i.e. lamp ambient temperature and operating position as well as applied control gear

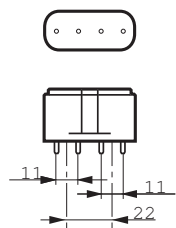
- Shorter lamp life when often switching and not well pre-heated electrodes

## Dimensional drawing



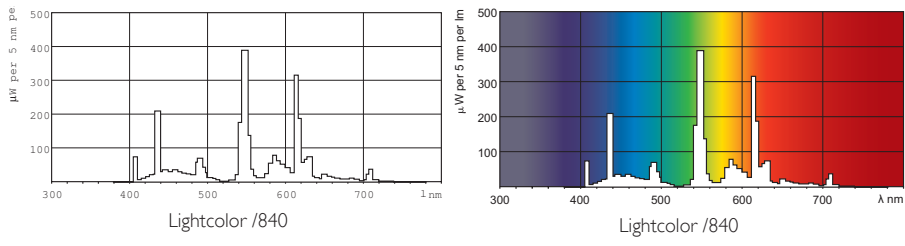
### 2G11, 4P

| Product            | A (Max) | B (Max) | C (Max) | D (Max) | D1 (Max) |
|--------------------|---------|---------|---------|---------|----------|
| PL-L 55W/840/4P HF | 509.2   | 535     | 541.6   | 39.0    | 18.0     |



2G11

Photometric data



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data subject to change