



# MASTER PL-L 4 Pin

MASTER PL-L 36W/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      | -        |
| Cap-Base                | 2G11     |
| Cap-Base Information    | 4P       |
| Life to 50% failures EM | 15000 hr |
| 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           |          |
| Life to 10% failures EM | 10000 hr |
| 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          |          |
| LSF EM 12000h           | 80 %     |
| Rated,3h cycle          |          |
| LSF EM 8000h Rated,     | 94 %     |
| 3h cycle                |          |
| LSF EM 6000h Rated,     | 96 %     |
| 3h cycle                |          |

|                     |      |
|---------------------|------|
| LSF EM 4000h Rated, | 98 % |
| 3h cycle            |      |
| LSF EM 2000h Rated, | 99 % |
| 3h cycle            |      |

### • Light Technical Characteristics

|                          |                    |
|--------------------------|--------------------|
| Color Code               | 840 [CCT of 4000K] |
| Color Rendering Index    | 82 Ra8             |
| Color Designation (text) | Cool White         |
| Color Temperature        | 4000 K             |
| Chromaticity             | 380 -              |
| Coordinate X             |                    |
| Chromaticity             | 380 -              |
| Coordinate Y             |                    |
| LLMF EM 12000h           | 90 %               |
| Rated                    |                    |
| LLMF EM 8000h            | 91 %               |
| Rated                    |                    |
| LLMF EM 6000h            | 92 %               |
| Rated                    |                    |
| LLMF EM 4000h            | 93 %               |
| Rated                    |                    |
| LLMF EM 2000h            | 94 %               |
| Rated                    |                    |
| 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                    |                    |



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## MASTER PL-L 4 Pin

|                                   |         |
|-----------------------------------|---------|
| LLMF HF 4000h<br>Rated            | 94 %    |
| LLMF HF 2000h<br>Rated            | 95 %    |
| Luminous Flux EL<br>25°C, Rated   | 2900 Lm |
| Luminous Flux EL<br>25°C, Nominal | 2900 Lm |
| Lum Flux Rated HF<br>25°C,horiz   | 2900 Lm |
| Lum Flux Nominal<br>HF 25°C,horiz | 2900 Lm |
| Lum Efficacy Rated<br>HF 25°C,hor | 81 Lm/W |
| Design Temperature                | 30 C    |
| Lum Efficacy Rated<br>EM 25°C,hor | 81 Lm/W |
| Lum Flux Nominal<br>EM 25°C,horiz | 2900 Lm |
| Lum Flux Rated EM<br>25°C,horiz   | 2900 Lm |

### • Electrical Characteristics

|                                  |         |
|----------------------------------|---------|
| Lamp Wattage                     | 36 W    |
| Lamp Voltage EL<br>25°C          | 90 V    |
| Lamp Current EL<br>25°C          | 0.360 A |
| Dimmable                         | Yes     |
| Lamp Current EM<br>25°C          | 0.435 A |
| Lamp Wattage EM<br>25°C, Rated   | 36.0 W  |
| Lamp Wattage EL<br>25°C, Rated   | 36.0 W  |
| Lamp Wattage EL<br>25°C, Nominal | 36 W    |
| Lamp Wattage EM<br>25°C, Nominal | 36 W    |

|                         |       |
|-------------------------|-------|
| Lamp Voltage EM<br>25°C | 106 V |
|-------------------------|-------|

### • Environmental Characteristics

|                                  |        |
|----------------------------------|--------|
| Energy Efficiency<br>Label (EEL) | A      |
| Mercury (Hg)<br>Content          | 2.0 mg |

### • Measuring Conditions

### • Product Dimensions

|                             |                |
|-----------------------------|----------------|
| Base Face to Base<br>Face A | 384.2 (max) mm |
| Insertion Length B          | 410 (max) mm   |
| Overall Length C            | 416.6 (max) mm |
| Diameter D                  | 39.0 (max) mm  |
| Diameter D1                 | 18.0 (max) mm  |

### • Product Data

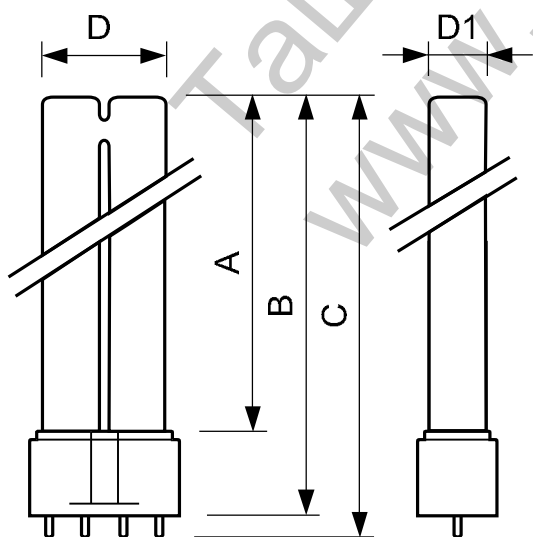
|                                |                               |
|--------------------------------|-------------------------------|
| Order code                     | 706751 40                     |
| Full product code              | 871150070675140               |
| Full product name              | MASTER PL-L 36W/840/4P 1CT    |
| Order product name             | MASTER PL-L 36W/840/4P 1CT/25 |
| Pieces per pack                | 1                             |
| Packing configuration          | 25                            |
| Packs per outerbox             | 25                            |
| Bar code on pack -<br>EAN1     | 8711500706751                 |
| Bar code on<br>outerbox - EAN3 | 8711500711014                 |
| Logistic code(s) -<br>12NC     | 927903408470                  |
| ILCOS code                     | FSD-36/40/1B-E-2G11           |
| Net weight per piece           | 104.000 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

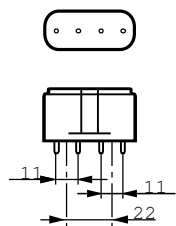
## Dimensional drawing



### 2G11, 4P

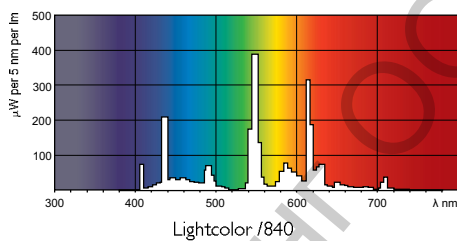
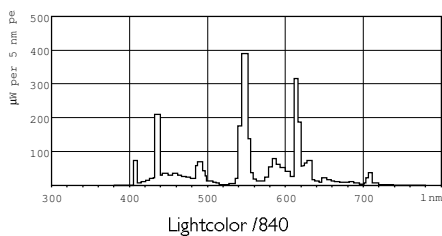
| Product         | A (Max) | B (Max) | C (Max) | D (Max) | D1 (Max) |
|-----------------|---------|---------|---------|---------|----------|
| PL-L 36W/840/4P | 384.2   | 410     | 416.6   | 39.0    | 18.0     |

## Dimensional drawing



2G11

## Photometric data



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data subject to change

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