



MASTER PL-L Xtra 4 Pin

MASTER PL-L Xtra 24W/840/4P 1CT

MASTER PL-L Xtra 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. MASTER PL-L Xtra lamps furthermore provide significantly lower operating costs thanks to their lifetime, which is more than double that of a standard MASTER PL-L lamp, and their very low early failure rate. 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 HF electronic 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 10% failures EM | 14000 hr |
| Life to 10% fail Preheat EL,3h | 25000 hr |
| Life to 10% fail Nonpreh EL,3h | 7000 hr |
| Life to 50% failures EM | 21000 hr |
| Life to 50% fail Preheat EL,3h | 36000 hr |
| Life to 50% fail Nonpreh EL,3h | 11000 hr |
| LSF HF Preheat 2000h Rated,3h | 99 % |
| LSF HF Preheat 4000h Rated,3h | 99 % |
| LSF HF Preheat 6000h Rated,3h | 99 % |
| LSF HF Preheat 8000h Rated,3h | 99 % |
| LSF HF Preheat 12000h Rated,3h | 98 % |
| LSF HF Preheat 16000h Rated,3h | 97 % |
| LSF HF Preheat 20000h Rated,3h | 94 % |
| LSF EM 2000h Rated, 3h cycle | 99 % |
| LSF EM 4000h Rated, 3h cycle | 99 % |
| LSF EM 6000h Rated, 3h cycle | 98 % |

| | |
|------------------------------|------|
| LSF EM 8000h Rated, 3h cycle | 97 % |
| LSF EM 12000h Rated,3h cycle | 95 % |
| LSF EM 16000h Rated,3h cycle | 88 % |
| LSF EM 20000h Rated,3h cycle | 58 % |

• Light Technical Characteristics

| | |
|--------------------------------|--------------------|
| Color Code | 840 [CCT of 4000K] |
| Color Rendering Index | 82 Ra8 |
| Color Designation (text) | Cool White |
| Color Temperature | 4000 K |
| Lum Flux Rated EM 25°C,horiz | 1800 Lm |
| Lum Flux Nominal EM 25°C,horiz | 1800 Lm |
| Luminous Flux EL 25°C, Rated | 1800 Lm |
| Luminous Flux EL 25°C, Nominal | 1800 Lm |
| Lum Flux Rated HF 25°C,horiz | 1800 Lm |
| Lum Flux Nominal HF 25°C,horiz | 1800 Lm |
| Lum Efficacy Rated EM 25°C,hor | 75 Lm/W |
| Lum Efficacy Rated HF 25°C,hor | 75 Lm/W |
| LLMF HF 2000h Rated | 95 % |
| LLMF HF 4000h Rated | 94 % |

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| | |
|---------------------------|-------|
| LLMF HF 6000h Rated | 93 % |
| LLMF HF 8000h Rated | 92 % |
| LLMF HF 12000h Rated | 91 % |
| LLMF HF 16000h Rated | 90 % |
| LLMF HF 20000h Rated | 90 % |
| LLMF EM 2000h Rated | 94 % |
| LLMF EM 4000h Rated | 93 % |
| LLMF EM 6000h Rated | 92 % |
| LLMF EM 8000h Rated | 91 % |
| LLMF EM 12000h Rated | 90 % |
| LLMF EM 16000h Rated | 89 % |
| LLMF EM 20000h Rated | 88 % |
| Design Temperature | 30 °C |
| Chromaticity Coordinate X | 381 - |
| Chromaticity Coordinate Y | 379 - |

• Electrical Characteristics

| | |
|----------------------------------|---------|
| Lamp Wattage | 24 W |
| Lamp Wattage EL 25°C, Rated | 24.0 W |
| Lamp Wattage EL 25°C, Nominal | 24 W |
| Lamp Voltage EM 25°C | 87 V |
| Lamp Voltage EL 25°C | 87 V |
| Lamp Current EM 25°C | 0.345 A |

| | |
|-------------------------|---------|
| Lamp Current EL 25°C | 0.345 A |
| Dimmable | Yes |

• Environmental Characteristics

| | |
|----------------------------------|--------|
| Energy Efficiency Label (EEL) | A |
| Mercury (Hg) Content | 3.0 mg |
| Energy consumption kWh/1000h | 26 kWh |

• Measuring Conditions

• Product Dimensions

| | |
|-----------------------------|----------------|
| Base Face to Base Face A | 290 (max) mm |
| Insertion Length B | 315 (max) mm |
| Overall Length C | 321.6 (max) mm |
| Diameter D | 39.0 (max) mm |
| Diameter D1 | 18.0 (max) mm |

• Product Data

| | |
|--------------------------------|---------------------------------------|
| Order code | 927907584015 |
| Full product code | 927907584015 |
| Full product name | MASTER PL-L Xtra 24W/840/4P 1CT |
| Order product name | MASTER PL-L Xtra 24W/840/4P 1CT/25 |
| Pieces per pack | 1 |
| Packing configuration | 25 |
| Packs per outerbox | 25 |
| Bar code on pack - EAN1 | 8711500267702 |
| Bar code on outerbox - EAN3 | 8711500267719 |
| Logistic code(s) - 12NC | 927907584015 |
| ILCOS code | FSD-24/40/1B-E-2G11 |
| Net weight per piece | 82.000 gr |

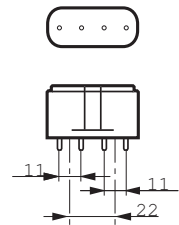
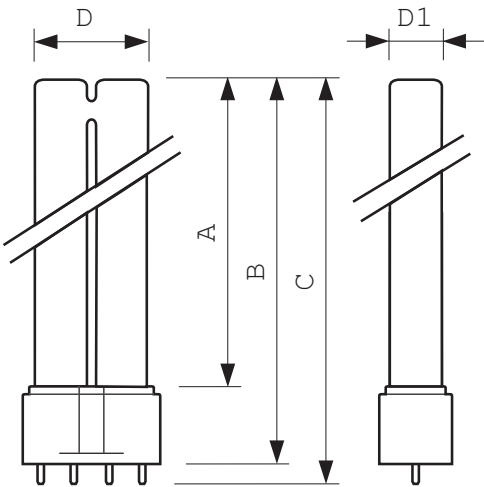
- Shorter lamp life when often switching and not well pre-heated electrodes

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

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Dimensional drawing

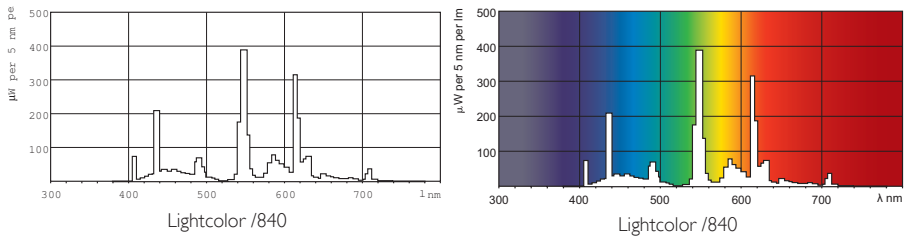


2G11

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| Product | A (Max) | B (Max) | C (Max) | D (Max) | D1 (Max) |
|----------------------|---------|---------|---------|---------|----------|
| PL-L Xtra 24W/840/4P | 290 | 315 | 321.6 | 39.0 | 18.0 |

Photometric data





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www.philips.com/lighting

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data subject to change