



MASTER PL-L Polar 4 Pin

MASTER PL-L Polar 24W/830/4P 1CT

MASTER PL-L Polar is a medium to high-wattage linear compact fluorescent lamp, typically used for lower-temperature applications such as outdoor lighting and cold storage. The original Philips-invented bridge technology guarantees optimum performance in the lower-temperature applications. 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 |
| Main Application | Low Temperature [Low Temperature environment] |
| Life to 10% failures EM | 10000 hr |
| Life to 10% fail Preheat EL,3h | 14000 hr |
| Life to 10% fail Nonpreh EL,3h | 7500 hr |
| Life to 50% failures EM | 15000 hr |
| Life to 50% fail Preheat EL,3h | 20000 hr |
| Life to 50% fail Nonpreh EL,3h | 10000 hr |
| LSF HF Preheat 2000h Rated,3h | 99 % |
| LSF HF Preheat 4000h Rated,3h | 99 % |
| LSF HF Preheat 6000h Rated,3h | 98 % |
| LSF HF Preheat 8000h Rated,3h | 97 % |
| LSF HF Preheat 12000h Rated,3h | 94 % |
| LSF HF Preheat 16000h Rated,3h | 82 % |
| LSF HF Preheat 20000h Rated,3h | 50 % |
| LSF EM 2000h Rated, 3h cycle | 99 % |
| LSF EM 4000h Rated, 3h cycle | 98 % |

| | |
|------------------------------|------|
| LSF EM 6000h Rated, 3h cycle | 96 % |
| LSF EM 8000h Rated, 3h cycle | 94 % |
| LSF EM 12000h Rated,3h cycle | 80 % |

• Light Technical Characteristics

| | |
|--------------------------------|--------------------|
| Color Code | 830 [CCT of 3000K] |
| Color Rendering Index | 82 Ra8 |
| Color Designation (text) | Warm White |
| Color Temperature | 3000 K |
| Luminous Flux EM 25°C, Rated | 1800 Lm |
| Luminous Flux EM 25°C, Nominal | 1800 Lm |
| 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 % |



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| | |
|---------------------------|-------|
| LLMF HF 4000h Rated | 94 % |
| 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 % |
| Design Temperature | 18 C |
| Chromaticity Coordinate X | 440 - |
| Chromaticity Coordinate Y | 405 - |

• Electrical Characteristics

| | |
|-------------------------------|---------|
| Lamp Wattage | 24 W |
| Lamp Wattage EM 25°C, Nominal | 24 W |
| Lamp Wattage EM 25°C, Rated | 24.0 W |
| Lamp Wattage EL 25°C, Rated | 24.0 W |
| Lamp Wattage EL 25°C, Nominal | 24 W |
| Lamp Voltage EM 25°C | 85 V |
| Lamp Voltage EL 25°C | 75 V |
| Lamp Current EM 25°C | 0.350 A |

| | |
|----------------------|---------|
| Lamp Current EL 25°C | 0.300 A |
| Dimmable | Yes |

• Environmental Characteristics

| | |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | A |
| Mercury (Hg) Content | 2.0 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 | 927930583070 |
| Full product code | 927930583070 |
| Full product name | MASTER PL-L Polar 24W/830/4P 1CT |
| Order product name | MASTER PL-L Polar 24W/830/4P 1CT/25 |
| Pieces per pack | 1 |
| Packing configuration | 25 |
| Packs per outerbox | 25 |
| Bar code on pack - EAN1 | 8711500261540 |
| Bar code on outerbox - EAN3 | 8711500261557 |
| Logistic code(s) - 12NC | 927930583070 |
| ILCOS code | FSD-24/30/1B-E-2G11 |
| Net weight per piece | 82.000 gr |

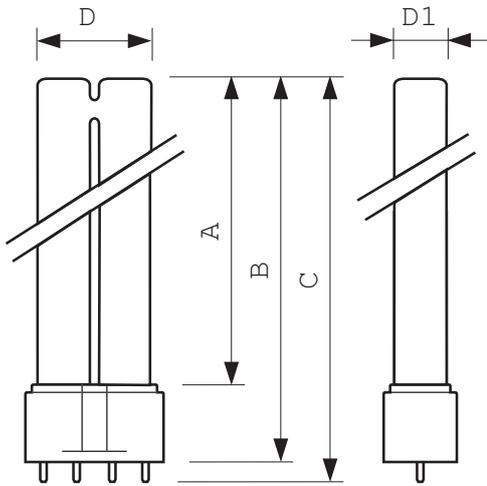
Warnings and Safety

- 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

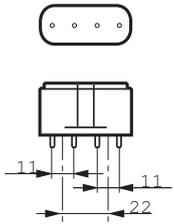
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Dimensional drawing



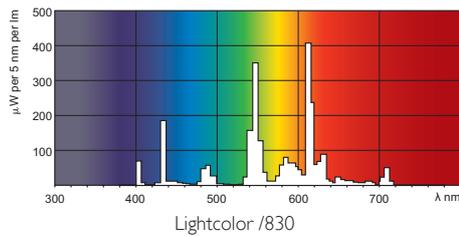
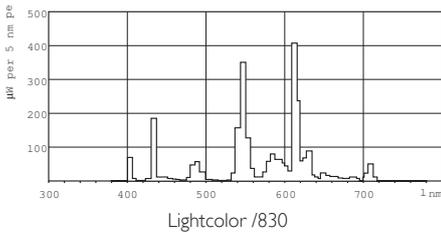
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| Product | A (Max) | B (Max) | C (Max) | D (Max) | D1 (Max) |
|--------------------|---------|---------|---------|---------|----------|
| PL-L 24W/830/4P LT | 290 | 315 | 321.6 | 39.0 | 18.0 |



2G11

Photometric data





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www.philips.com/lighting

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data subject to change