MASTER PL-L Polar 4 Pin

MASTER PL-L Polar 36W/840/4P 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	840 [CCT of 4000K]
Color Rendering Index	82 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EM 25°C, Rated	2900 Lm
Luminous Flux EM 25°C, Nominal	2900 Lm
Lum Flux Rated EM 25°C,horiz	2900 Lm
Lum Flux Nominal EM 25°C,horiz	2900 Lm
Luminous Flux EL 25°C, Rated	2900 Lm
Luminous Flux EL 25°C, Nominal	2900 Lm
Lum Flux Rated HF 25°C,horiz	2900 Lm
Lum Flux Nominal HF 25°C,horiz	2900 Lm
Lum Efficacy Rated EM 25°C,hor	81 Lm/W
Lum Efficacy Rated HF 25°C,hor	81 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	380 -
Chromaticity Coordinate Y	380 -

- Electrical Characteristics

Lamp Wattage	36 W
Lamp Wattage EM 25°C, Nominal	36 W
Lamp Wattage EM 25°C, Rated	36.0 W
Lamp Wattage EL 25°C, Rated	36.0 W
Lamp Wattage EL 25°C, Nominal	36 W
Lamp Voltage EM 25°C	102 V
Lamp Voltage EL 25°C	90 V
Lamp Current EM 25°C	0.445 A
Lamp Current EL 25°C	0.360 A
Dimmable	Yes

- Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	2.0 mg
Energy consumption kWh/1000h	40 kWh

- Measuring Conditions

- Product Dimensions

Base Face to Base Face A	385 (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	927931084070
Full product code	927931084070
Full product name	MASTER PL-L Polar 36W/840/4P 1CT
Order product name	MASTER PL-L Polar 36W/840/4P 1CT/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8711500261601
Bar code on outerbox - EAN3	8711500261618
Logistic code(s) - 12NC	927931084070
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

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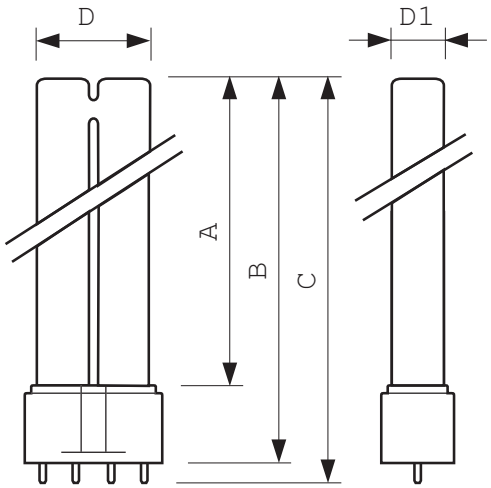
Dimensional drawing



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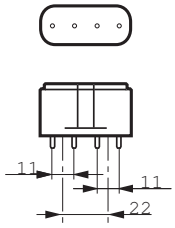
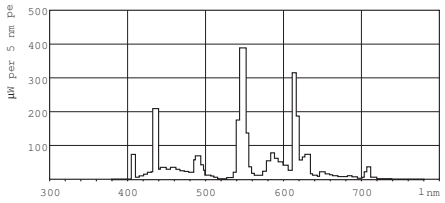
Product	A (Max)	B (Max)	C (Max)	D (Max)	D1 (Max)
PL-L 36W/840/4P LT	385	410	416.6	39.0	18.0



2G11

Photometric data



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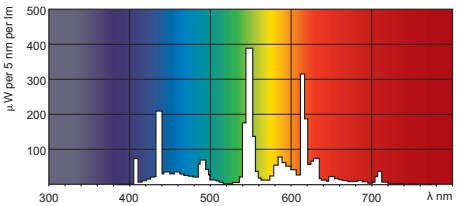

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www.philips.com/lighting

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data subject to change