



# Optimized for lower temperatures!

## MASTER PL-L Polar 4 Pin

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.

### Benefits

- Optimal light performance for short or long operation per switch-on for lower temperature applications
- Long life and sustainable light output
- Multiple light color choice
- Good color rendering (CRI >80)
- Dimming possible down to 10%

### Features

- 4-pin base
- Fluorescent tri-phosphor technology
- Low light depreciation over lamp life

### Application

- Residential areas, parks and squares, under canopies in storage and transport areas
- Cold indoor areas (e.g. warehouses, food cold stores)
- Light output at low temperatures can be increased even further by applying a transparent heat cap around the top of the lamp

# MASTER PL-L Polar 4 Pin

## Versions



24W, 2G11, 4P

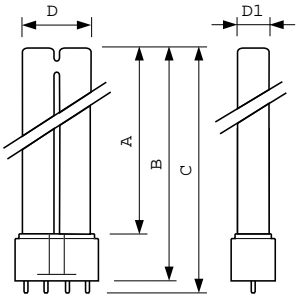


36W, 2G11, 4P



55W, 2G11, 4P

## Dimensional drawing



Product	D (max)	D1 (max)	A (max)	B (max)	C (max)
MASTER PL-L Polar 24W/ 840/4P 1CT/25	39.0 mm	18.0 mm	290 mm	315 mm	321.6 mm
MASTER PL-L Polar 55W/ 840/4P 1CT/25	39.0 mm	18.0 mm	510 mm	535 mm	541.6 mm
MASTER PL-L Polar 36W/ 840/4P 1CT/25	39.0 mm	18.0 mm	385 mm	410 mm	416.6 mm

# MASTER PL-L Polar 4 Pin

## Approval and Application

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

## Controls and Dimming

Dimmable	Yes
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## General Information

Cap-Base	2G11
Life To 50% Failures Preheat (Nom)	20000 h
LSF Preheat 16000 h Rated	82 %
LSF Preheat 20000 h Rated	50 %
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	98 %
LSF Preheat 8000 h Rated	97 %
Main Application	Low Temperature

## Light Technical

Color Code	840
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Color Rendering Index (Nom)	82
LLMF 16000 h Rated	90 %
LLMF 20000 h Rated	90 %

## Temperature

Design Temperature (Nom)	18 °C
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## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	26 kWh
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	40 kWh
927931584070	MASTER PL-L Polar 55W/840/4P 1CT/25	61 kWh

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	0.350 A	24.0 W
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	0.445 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927931584070	MASTER PL-L Polar 55W/840/4P 1CT/25	0.550 A	55 W

## General Information (1/2)

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)	LSF 12000 h Rated	LSF 2000 h Rated
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	10000 h	15000 h	80 %	99 %
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	10000 h	15000 h	80 %	99 %

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)	LSF 12000 h Rated	LSF 2000 h Rated
927931584070	MASTER PL-L Polar 55W/840/4P 1CT/25	-	-	-	-

## General Information (2/2)

## MASTER PL-L Polar 4 Pin

Order Code	Full Product Name	LSF		System
		LSF 4000 h Rated	LSF 6000 h Rated	
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	98 %	96 %	-
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	98 %	96 %	-

Order Code	Full Product Name	LSF		System
		LSF 4000 h Rated	LSF 6000 h Rated	
927931584070	MASTER PL-L Polar 55W/840/4P 1CT/25	-	-	High Frequency

### Light Technical (1/2)

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF
		12000 h Rated	2000 h Rated	4000 h Rated	6000 h Rated
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	90 %	94 %	93 %	92 %
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	90 %	94 %	93 %	92 %

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF
		12000 h Rated	2000 h Rated	4000 h Rated	6000 h Rated
927931584070	MASTER PL-L Polar 55W/840/4P 1CT/25	91 %	95 %	94 %	93 %

### Light Technical (2/2)

Order Code	Full Product Name	LLMF	Luminous	Luminous
		8000 h Rated	Efficacy (rated) (Nom)	Flux (Rated) (Nom)
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	91 %	75 lm/W	1800 lm
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	91 %	81 lm/W	2900 lm

Order Code	Full Product Name	LLMF	Luminous	Luminous
		8000 h Rated	Efficacy (rated) (Nom)	Flux (Rated) (Nom)
927931584070	MASTER PL-L Polar 55W/840/4P 1CT/25	92 %	87 lm/W	4800 lm

