



# 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

### Features

### Application

### Warnings and Safety

### Versions



24W, 2G11, 4P



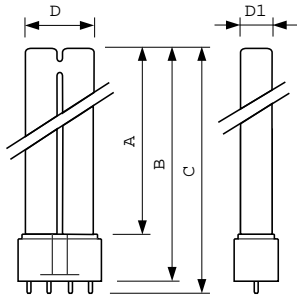
36W, 2G11, 4P



55W, 2G11, 4P

# MASTER PL-L Polar 4 Pin

## Dimensional drawing



### Product

MASTER PL-L Polar 55W/840/4P 1CT/25
MASTER PL-L Polar 24W/840/4P 1CT/25
MASTER PL-L Polar 36W/840/4P 1CT/25

### 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)

## MASTER PL-L Polar 4 Pin

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

### General Information (2/2)

Order Code	Full Product Name	LSF		System	
		LSF 4000 h Rated	6000 h Rated	8000 h Rated	Description
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	98 %	96 %	94 %	-
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	98 %	96 %	94 %	-

Order Code	Full Product Name	LSF		System	
		LSF 4000 h Rated	6000 h Rated	8000 h Rated	Description
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	Luminous
		8000 h Rated	Efficacy (rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
927930584070	MASTER PL-L Polar 24W/840/4P 1CT/25	91 %	75 lm/W	1800 lm	1800 lm
927931084070	MASTER PL-L Polar 36W/840/4P 1CT/25	91 %	81 lm/W	2900 lm	2900 lm

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

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