



The most reliable!

MASTER PL-L 4 Pin

MASTER PL-L 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. 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 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
- 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

- Designed for general lighting in shops, offices, hotels and specific task lighting, as well as outdoors in residential areas and parks

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
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

MASTER PL-L 4 Pin

Versions



18 W 2G11

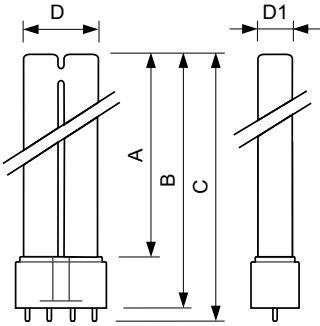


24 W 2G11



MASTER PL-L 4 Pin

Dimensional drawing



Product	D (max)	D1 (max)	A (max)	B (max)	C (max)
MASTER PL-L 55W/865/4P 1CT/25	39.0 mm	18.0 mm	509.2 mm	535 mm	541.6 mm
MASTER PL-L 36W/830/4P 1CT/25	39.0 mm	18.0 mm	384.2 mm	410 mm	416.6 mm
MASTER PL-L 36W/827/4P 1CT/25	39.0 mm	18.0 mm	384.2 mm	410 mm	416.6 mm
MASTER PL-L 18W/840/4P 1CT/25	39.0 mm	18.0 mm	194.2 mm	220 mm	226.6 mm
MASTER PL-L 18W/827/4P 1CT/25	39.0 mm	18.0 mm	194.2 mm	220 mm	226.6 mm
MASTER PL-L 18W/865/4P 1CT/25	39.0 mm	18.0 mm	194.2 mm	220 mm	226.6 mm
MASTER PL-L 55W/840/4P 1CT/25	39.0 mm	18.0 mm	509.2 mm	535 mm	541.6 mm
MASTER PL-L 55W/830/4P 1CT/25	39.0 mm	18.0 mm	509.2 mm	535 mm	541.6 mm
MASTER PL-L 36W/865/4P 1CT/25	39.0 mm	18.0 mm	384.2 mm	410 mm	416.6 mm
MASTER PL-L 80W/ 830/4P 1CT/25	39.0 mm	18.0 mm	539.2 mm	565 mm	571.6 mm
MASTER PL-L 18W/830/4P 1CT/25	39.0 mm	18.0 mm	194.2 mm	220 mm	226.6 mm
MASTER PL-L 24W/827/4P 1CT/25	39.0 mm	18.0 mm	289.2 mm	315 mm	321.6 mm
MASTER PL-L 40W/ 830/4P 1CT/25	39.0 mm	18.0 mm	509.2 mm	535 mm	541.6 mm
MASTER PL-L 40W/ 840/4P 1CT/25	39.0 mm	18.0 mm	509.2 mm	535 mm	541.6 mm
MASTER PL-L 80W/ 840/4P 1CT/25	39.0 mm	18.0 mm	539.2 mm	565 mm	571.6 mm
MASTER PL-L 24W/840/4P 1CT/25	39.0 mm	18.0 mm	289.2 mm	315 mm	321.6 mm
MASTER PL-L 24W/830/4P 1CT/25	39.0 mm	18.0 mm	289.2 mm	315 mm	321.6 mm
MASTER PL-L 36W/ 840/4P 1CT/25	39.0 mm	18.0 mm	384.2 mm	410 mm	416.6 mm

MASTER PL-L 4 Pin

Approval and Application

Mercury (Hg) Content (Max)	2 mg
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 %

Temperature

Design Temperature (Nom)	30 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
70667640	MASTER PL-L 18W/827/4P 1CT/25	18 kWh
70668340	MASTER PL-L 18W/830/4P 1CT/25	18 kWh
70669040	MASTER PL-L 18W/840/4P 1CT/25	18 kWh
63514340	MASTER PL-L 18W/865/4P 1CT/25	18 kWh
70670640	MASTER PL-L 24W/827/4P 1CT/25	25 kWh
70671340	MASTER PL-L 24W/830/4P 1CT/25	25 kWh
70672040	MASTER PL-L 24W/840/4P 1CT/25	25 kWh
70673740	MASTER PL-L 36W/827/4P 1CT/25	37 kWh
70674440	MASTER PL-L 36W/830/4P 1CT/25	37 kWh
70675140	MASTER PL-L 36W/840/4P 1CT/25	37 kWh
63520440	MASTER PL-L 36W/865/4P 1CT/25	37 kWh
61094240	MASTER PL-L 40W/830/4P 1CT/25	40 kWh
61097340	MASTER PL-L 40W/840/4P 1CT/25	40 kWh
61541140	MASTER PL-L 55W/830/4P 1CT/25	56 kWh
61542840	MASTER PL-L 55W/840/4P 1CT/25	56 kWh
26170040	MASTER PL-L 55W/865/4P 1CT/25	56 kWh
86708740	MASTER PL-L 80W/830/4P 1CT/25	80 kWh
86712440	MASTER PL-L 80W/840/4P 1CT/25	80 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
70667640	MASTER PL-L 18W/827/4P 1CT/25	0.375 A	18.0 W
70668340	MASTER PL-L 18W/830/4P 1CT/25	0.375 A	18.0 W
70669040	MASTER PL-L 18W/840/4P 1CT/25	0.375 A	18.0 W
63514340	MASTER PL-L 18W/865/4P 1CT/25	0.375 A	18.0 W
70670640	MASTER PL-L 24W/827/4P 1CT/25	0.345 A	24.2 W
70671340	MASTER PL-L 24W/830/4P 1CT/25	0.345 A	24.2 W
70672040	MASTER PL-L 24W/840/4P 1CT/25	0.345 A	24.2 W
70673740	MASTER PL-L 36W/827/4P 1CT/25	0.435 A	36.3 W
70674440	MASTER PL-L 36W/830/4P 1CT/25	0.435 A	36.3 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
70675140	MASTER PL-L 36W/840/4P 1CT/25	0.435 A	36.3 W
63520440	MASTER PL-L 36W/865/4P 1CT/25	0.435 A	36.3 W
61094240	MASTER PL-L 40W/830/4P 1CT/25	0.320 A	40.0 W
61097340	MASTER PL-L 40W/840/4P 1CT/25	0.320 A	40 W
61541140	MASTER PL-L 55W/830/4P 1CT/25	0.525 A	55.3 W
61542840	MASTER PL-L 55W/840/4P 1CT/25	0.525 A	55.3 W
26170040	MASTER PL-L 55W/865/4P 1CT/25	0.525 A	55.3 W
86708740	MASTER PL-L 80W/830/4P 1CT/25	0.555 A	80 W
86712440	MASTER PL-L 80W/840/4P 1CT/25	0.555 A	80.0 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
70667640	MASTER PL-L 18W/827/4P 1CT/25	10000 h	15000 h	80 %	99 %
70668340	MASTER PL-L 18W/830/4P 1CT/25	10000 h	15000 h	80 %	99 %
70669040	MASTER PL-L 18W/840/4P 1CT/25	10000 h	15000 h	80 %	99 %
63514340	MASTER PL-L 18W/865/4P 1CT/25	10000 h	15000 h	80 %	99 %
70670640	MASTER PL-L 24W/827/4P 1CT/25	10000 h	15000 h	80 %	99 %
70671340	MASTER PL-L 24W/830/4P 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
70672040	MASTER PL-L 24W/840/4P 1CT/25	10000 h	15000 h	80 %	99 %
70673740	MASTER PL-L 36W/827/4P 1CT/25	10000 h	15000 h	80 %	99 %
70674440	MASTER PL-L 36W/830/4P 1CT/25	10000 h	15000 h	80 %	99 %
70675140	MASTER PL-L 36W/840/4P 1CT/25	10000 h	15000 h	80 %	99 %
63520440	MASTER PL-L 36W/865/4P 1CT/25	10000 h	15000 h	80 %	99 %
61094240	MASTER PL-L 40W/830/4P 1CT/25	-	-	-	-

MASTER PL-L 4 Pin

Order Code	Full Product Name	Life To 10%	Life To 50%	LSF	
		Failures (Nom)	Failures (Nom)	12000 h Rated	LSF 2000 h Rated
61097340	MASTER PL-L 40W/ 840/4P 1CT/25	-	-	-	-
61541140	MASTER PL-L 55W/ 830/4P 1CT/25	-	-	-	-
61542840	MASTER PL-L 55W/ 840/4P 1CT/25	-	-	-	-

Order Code	Full Product Name	Life To 10%	Life To 50%	LSF	
		Failures (Nom)	Failures (Nom)	12000 h Rated	LSF 2000 h Rated
26170040	MASTER PL-L 55W/ 865/4P 1CT/25	-	-	-	-
86708740	MASTER PL-L 80W/ 830/4P 1CT/25	-	-	-	-
86712440	MASTER PL-L 80W/ 840/4P 1CT/25	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	LSF	LSF	LSF	System Description
		4000 h Rated	6000 h Rated	8000 h Rated	
70667640	MASTER PL-L 18W/ 827/4P 1CT/25	98 %	96 %	94 %	na
70668340	MASTER PL-L 18W/ 830/4P 1CT/25	98 %	96 %	94 %	na
70669040	MASTER PL-L 18W/ 840/4P 1CT/25	98 %	96 %	94 %	na
63514340	MASTER PL-L 18W/ 865/4P 1CT/25	98 %	96 %	94 %	na
70670640	MASTER PL-L 24W/ 827/4P 1CT/25	98 %	96 %	94 %	na
70671340	MASTER PL-L 24W/ 830/4P 1CT/25	98 %	96 %	94 %	na
70672040	MASTER PL-L 24W/ 840/4P 1CT/25	98 %	96 %	94 %	na
70673740	MASTER PL-L 36W/ 827/4P 1CT/25	98 %	96 %	94 %	na
70674440	MASTER PL-L 36W/ 830/4P 1CT/25	98 %	96 %	94 %	na

Order Code	Full Product Name	LSF	LSF	LSF	System Description
		4000 h Rated	6000 h Rated	8000 h Rated	
70675140	MASTER PL-L 36W/ 840/4P 1CT/25	98 %	96 %	94 %	na
63520440	MASTER PL-L 36W/ 865/4P 1CT/25	98 %	96 %	94 %	na
61094240	MASTER PL-L 40W/ 830/4P 1CT/25	-	-	-	High Frequency
61097340	MASTER PL-L 40W/ 840/4P 1CT/25	-	-	-	High Frequency
61541140	MASTER PL-L 55W/ 830/4P 1CT/25	-	-	-	High Frequency
61542840	MASTER PL-L 55W/ 840/4P 1CT/25	-	-	-	High Frequency
26170040	MASTER PL-L 55W/ 865/4P 1CT/25	-	-	-	High Frequency
86708740	MASTER PL-L 80W/ 830/4P 1CT/25	-	-	-	High Frequency
86712440	MASTER PL-L 80W/ 840/4P 1CT/25	-	-	-	High Frequency

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
70667640	MASTER PL-L 18W/827/4P 1CT/25	0.463	0.42	827	Incandescent White
70668340	MASTER PL-L 18W/830/4P 1CT/25	0.44	0.403	830	Warm White (WW)
70669040	MASTER PL-L 18W/840/4P 1CT/25	0.38	0.38	841	Cool White (CW)
63514340	MASTER PL-L 18W/865/4P 1CT/25	0.313	0.337	865	Cool Daylight

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
70670640	MASTER PL-L 24W/827/4P 1CT/25	0.463	0.42	827	Incandescent White
70671340	MASTER PL-L 24W/830/4P 1CT/25	0.44	0.403	830	Warm White (WW)
70672040	MASTER PL-L 24W/840/4P 1CT/25	0.38	0.38	841	Cool White (CW)
70673740	MASTER PL-L 36W/827/4P 1CT/25	0.463	0.42	827	Incandescent White

MASTER PL-L 4 Pin

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour		Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation			Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
70674440	MASTER PL-L 36W/830/4P 1CT/25	0.44	0.403	830	Warm White (WW)	61541140	MASTER PL-L 55W/830/4P 1CT/25	0.44	0.403	830	Warm White (WW)
70675140	MASTER PL-L 36W/840/4P 1CT/25	0.38	0.38	841	Cool White (CW)	61542840	MASTER PL-L 55W/840/4P 1CT/25	0.38	0.38	841	Cool White (CW)
63520440	MASTER PL-L 36W/865/4P 1CT/25	0.313	0.337	865	Cool Daylight	26170040	MASTER PL-L 55W/865/4P 1CT/25	0.313	0.337	865	Cool Daylight
61094240	MASTER PL-L 40W/830/4P 1CT/25	0.44	0.403	830	Warm White (WW)	86708740	MASTER PL-L 80W/830/4P 1CT/25	0.44	0.403	830	Warm White (WW)
61097340	MASTER PL-L 40W/840/4P 1CT/25	0.38	0.38	841	Cool White (CW)	86712440	MASTER PL-L 80W/840/4P 1CT/25	0.38	0.38	841	Cool White (CW)

Light Technical (2/3)

Order Code	Full Product Name	Correlated Colour	Colour							
		Temperature (Nom)	Rendering Index (Nom)	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated	LLMF 4000 h Rated	LLMF 6000 h Rated	LLMF 8000 h Rated
70667640	MASTER PL-L 18W/827/4P 1CT/25	2700 K	82	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70668340	MASTER PL-L 18W/830/4P 1CT/25	3000 K	82	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70669040	MASTER PL-L 18W/840/4P 1CT/25	4000 K	80	90 %	90 %	94 %	90 %	93 %	92 %	91 %
63514340	MASTER PL-L 18W/865/4P 1CT/25	6500 K	80	87 %	88 %	93 %	87 %	91 %	90 %	89 %
70670640	MASTER PL-L 24W/827/4P 1CT/25	2700 K	82	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70671340	MASTER PL-L 24W/830/4P 1CT/25	3000 K	82	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70672040	MASTER PL-L 24W/840/4P 1CT/25	4000 K	80	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70673740	MASTER PL-L 36W/827/4P 1CT/25	2700 K	82	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70674440	MASTER PL-L 36W/830/4P 1CT/25	3000 K	82	90 %	90 %	94 %	90 %	93 %	92 %	91 %
70675140	MASTER PL-L 36W/840/4P 1CT/25	4000 K	80	90 %	90 %	94 %	90 %	93 %	92 %	91 %
63520440	MASTER PL-L 36W/865/4P 1CT/25	6500 K	80	87 %	88 %	93 %	87 %	91 %	90 %	89 %
61094240	MASTER PL-L 40W/830/4P 1CT/25	3000 K	82	91 %	90 %	95 %	90 %	94 %	93 %	92 %
61097340	MASTER PL-L 40W/840/4P 1CT/25	4000 K	80	91 %	90 %	95 %	90 %	94 %	93 %	92 %
61541140	MASTER PL-L 55W/830/4P 1CT/25	3000 K	82	91 %	90 %	95 %	90 %	94 %	93 %	92 %

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Order Code	Full Product Name	Correlated Colour	Colour	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated	LLMF 4000 h Rated	LLMF 6000 h Rated	LLMF 8000 h Rated
		Temperature (Nom)	Rendering Index (Nom)							
61542840	MASTER PL-L 55W/840/4P 1CT/25	4000 K	80	91 %	90 %	95 %	90 %	94 %	93 %	92 %
26170040	MASTER PL-L 55W/865/4P 1CT/25	6500 K	80	90 %	88 %	94 %	87 %	93 %	92 %	91 %
86708740	MASTER PL-L 80W/830/4P 1CT/25	3000 K	82	91 %	90 %	95 %	90 %	94 %	93 %	92 %
86712440	MASTER PL-L 80W/840/4P 1CT/25	4000 K	80	91 %	90 %	95 %	90 %	94 %	93 %	92 %

Light Technical (3/3)

Order Code	Full Product Name	Luminous	Luminous Flux (Nom)	Luminous	Order Code	Full Product Name	Luminous	Luminous Flux (Nom)	Luminous
		Efficacy (rated) (Nom)		Flux (Rated) (Nom)			Efficacy (rated) (Nom)		Flux (Rated) (Nom)
70667640	MASTER PL-L 18W/ 827/4P 1CT/25	67 lm/W	1200 lm	1200 lm	70675140	MASTER PL-L 36W/ 840/4P 1CT/25	81 lm/W	2850 lm	2900 lm
70668340	MASTER PL-L 18W/ 830/4P 1CT/25	67 lm/W	1200 lm	1200 lm	63520440	MASTER PL-L 36W/ 865/4P 1CT/25	80 lm/W	2800 lm	2880 lm
70669040	MASTER PL-L 18W/ 840/4P 1CT/25	67 lm/W	1200 lm	1200 lm	61094240	MASTER PL-L 40W/ 830/4P 1CT/25	88 lm/W	3500 lm	3500 lm
63514340	MASTER PL-L 18W/ 865/4P 1CT/25	65 lm/W	1170 lm	1170 lm	61097340	MASTER PL-L 40W/ 840/4P 1CT/25	88 lm/W	3500 lm	3500 lm
70670640	MASTER PL-L 24W/ 827/4P 1CT/25	75 lm/W	1800 lm	1800 lm	61541140	MASTER PL-L 55W/ 830/4P 1CT/25	87 lm/W	4700 lm	4800 lm
70671340	MASTER PL-L 24W/ 830/4P 1CT/25	75 lm/W	1800 lm	1800 lm	61542840	MASTER PL-L 55W/ 840/4P 1CT/25	87 lm/W	4700 lm	4800 lm
70672040	MASTER PL-L 24W/ 840/4P 1CT/25	75 lm/W	1800 lm	1800 lm	26170040	MASTER PL-L 55W/ 865/4P 1CT/25	82 lm/W	4600 lm	4800 lm
70673740	MASTER PL-L 36W/ 827/4P 1CT/25	81 lm/W	2850 lm	2900 lm	86708740	MASTER PL-L 80W/ 830/4P 1CT/25	75 lm/W	6000 lm	6000 lm
70674440	MASTER PL-L 36W/ 830/4P 1CT/25	81 lm/W	2850 lm	2900 lm	86712440	MASTER PL-L 80W/ 840/4P 1CT/25	75 lm/W	6000 lm	6000 lm

