



Product Description

MASTER PL-L Polar 4 Pin

Energy-saving compact fluorescent lamps Compact long-arc low-pressure mercury discharge lamp Envelope consists of 2 parallel fluorescent tubes linked by a bridge 4-pin base without gear

Benefits

- Road and social safety are safeguarded even at freezing outdoor temperatures
- Lowest cost of ownership thanks to a service lifetime of over 16000 hours
- Environmental impact minimized by long lifetime and low hazardous materials content
- Dimming is possible. Recommendation: lamp starting at 100% power for 15 minutes to ensure complete run-up

Features

- Bridge between tubes adapted to maximize light output at low ambient temperatures
- Optimum light output achieved at 15°C around the lamp (in draught-free air)
- Lumen maintenance of 90% and survival rate of 90% at 16000 hours
- Lamp characteristics are influenced by operating conditions and control gear used
- Good colour rendering

Application

- Residential areas
- Parks and squares
- Under canopies in storage and transport areas
- Cold indoor areas (e.g. warehouses, food cold stores)

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.

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Versions

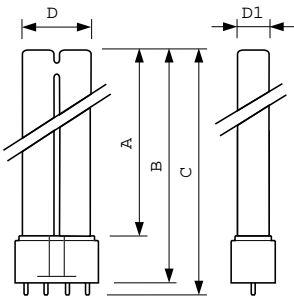


36W, 2G11, 4P



55W, 2G11, 4P

Dimensional drawing



Product	D (max)	D1 (max)	A (max)	B (max)	C (max)
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

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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
26160140	MASTER PL-L POLAR 36W/840/4P 1CT/25	40 kWh
26164940	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)
26160140	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)
26164940	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%	Life To 50%		
		Failures (Nom)	Failures (Nom)	LSF 12000 h Rated	LSF 2000 h Rated
26160140	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%		
		Failures (Nom)	Failures (Nom)	LSF 12000 h Rated	LSF 2000 h Rated
26164940	MASTER PL-L POLAR 55W/840/4P 1CT/25	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	LSF 4000	LSF 6000	LSF 8000	System
		h Rated	h Rated	h Rated	Description
26160140	MASTER PL-L POLAR 36W/840/4P 1CT/25	98 %	96 %	94 %	na

Order Code	Full Product Name	LSF 4000	LSF 6000	LSF 8000	System
		h Rated	h Rated	h Rated	Description
26164940	MASTER PL-L POLAR 55W/840/4P 1CT/25	-	-	-	High Frequency

MASTER PL-L Polar 4 Pin

Light Technical (1/2)

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF
		12000 h	2000 h	4000 h	6000 h
		Rated	Rated	Rated	Rated
26160140	MASTER PL-L POLAR 36W/840/4P 1CT/25	90 %	94 %	93 %	92 %

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF
		12000 h	2000 h	4000 h	6000 h
		Rated	Rated	Rated	Rated
26164940	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	Efficacy	Luminous	Flux (Rated)
		Rated	(rated) (Nom)	Flux (Nom)	(Nom)
26160140	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	Efficacy	Luminous	Flux (Rated)
		Rated	(rated) (Nom)	Flux (Nom)	(Nom)
26164940	MASTER PL-L POLAR 55W/ 840/4P 1CT/25	92 %	87 lm/W	4800 lm	4800 lm

