



Green Flagship product as best environmental choice in the energy saving lamps portfolio

MASTER PL-Electronic

Non-covered energy-saving MASTER lamps – the perfect choice for end users who demand the best performance and reliability. With a wide product range with different wattages, it offers comprehensive choices to suit different usages and applications

Benefits

- Highest reliability throughout life which is especially beneficial where lighting is required for longer periods of time and / or where lamp replacement is difficult
- The unique bridged burner results in an excellent run-up time with very high initial light output and better thermal performance
- Lifetime independent of switching on-off

Features

- Lightweight, superior long-life and energy saving alternative to incandescent lamps
- Very suitable for frequent switching
- Very good lumen maintenance throughout the lifetime of the lamp
- Complete range equipped with the unique Philips bridged burner technology (Mercury)
- Suitable for emergency lighting with DC supply

Application

- Designed to replace incandescent lamps in most professional and semi-professional applications applications, mainly indoor (e.g. hotels, restaurants, offices)
- Enclosed fixtures are required for outdoor applications
- Not suitable for use with dimmers or electronic gear

Versions



27W E27



33W E27



8W, E27



11W, E27

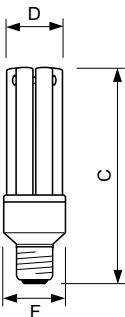


20W, E27



23W, E27

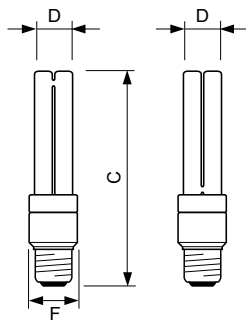
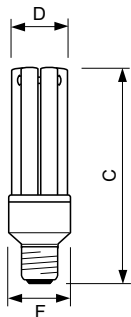
Dimensional drawing



Product	D (max)	C (max)	F (max)
MASTER PLE-R 27W/827 E27 220-240V 1CT/6	39.6 mm	174.2 mm	48 mm
MASTER PLE-R 33W/865 E27 220-240V 1CT/6	39.6 mm	196.2 mm	48 mm
MASTER PLE-R 27W/827 E27 220-240V 1CT/6	39.6 mm	174.2 mm	48 mm

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Dimensional drawing



Product	D (max)	C (max)	F (max)
MASTER PLE-R 23W/827 E27 220-240V 1CT/6	39.6 mm	152.2 mm	48.0 mm
MASTER PLE-R 20W/865 E27 220-240V 1CT/6	39.6 mm	137.2 mm	48.0 mm
MASTER PLE-R 20W/827 E27 220-240V 1CT/6	39.6 mm	137.2 mm	48.0 mm

Product	D (max)	C (max)	F (max)
MASTER PLE-C 11W/827 E27 230-240V 1CT/6	28.0 mm	141.2 mm	40.3 mm
MASTER PLE-C 8W/827 E27 230-240V 1CT/6	28.0 mm	119.2 mm	40.3 mm

Approval and Application

Energy Efficiency Label (EEL) A

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 or 60 Hz

Warm Up Time To 60% Light (Max) 60 s

Warm Up Time To 60% Light (Min) 10 s

General Information

Cap-Base E27

Light Technical

Llmf At End Of Nominal Lifetime (Nom) 65 %

Mechanical and Housing

Bulb Shape Stick

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
929689132301	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	27 kWh	1.5 mg	1.4 mg
929689132302	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	27 kWh	1.5 mg	1.4 mg
929689132601	MASTER PLE-R 33W/865 E27 220-240V 1CT/6	33 kWh	1.5 mg	1.4 mg
929730582709	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	8 kWh	-	1.41 mg
929730982709	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	11 kWh	-	1.41 mg
929746197004	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	20 kWh	1.5 mg	1.41 mg
929746197304	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	20 kWh	1.5 mg	1.41 mg
929747197004	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	23 kWh	1.5 mg	1.41 mg

Operating and Electrical (1/2)

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Order Code	Full Product Name	Lamp	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
		Current (Nom)			
929689132301	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	124 mA	220-240 V	125 W	27.0 W
929689132302	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	124 mA	220-240 V	125 W	27.0 W
929689132601	MASTER PLE-R 33W/865 E27 220-240V 1CT/6	155 mA	220-240 V	145 W	33.0 W
929730582709	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	65 mA	230-240 V	40 W	8 W

Order Code	Full Product Name	Lamp	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
		Current (Nom)			
929730982709	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	75 mA	230-240 V	50 W	11 W
929746197004	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	140 mA	220-240 V	90 W	20.0 W
929746197304	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	140 mA	220-240 V	87 W	20.0 W
929747197004	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	156 mA	220-240 V	105 W	23.0 W

Operating and Electrical (2/2)

Order Code	Full Product Name	Starting Time (Max)	Starting Time (Nom)
929689132301	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	-	1.0 s
929689132302	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	-	1.0 s
929689132601	MASTER PLE-R 33W/865 E27 220-240V 1CT/6	-	1.0 s
929730582709	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	0.2 s	-

Order Code	Full Product Name	Starting Time (Max)	Starting Time (Nom)
929730982709	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	0.2 s	-
929746197004	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	-	1.0 s
929746197304	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	-	1.0 s
929747197004	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	-	1.0 s

General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929689132301	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	20000 h	20000 h	50000X
929689132302	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	20000 h	20000 h	50000X
929689132601	MASTER PLE-R 33W/865 E27 220-240V 1CT/6	15000 h	15000 h	50000X
929730582709	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	15000 h	15000 h	20000X

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929730982709	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	15000 h	15000 h	20000X
929746197004	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	20000 h	20000 h	50000X
929746197304	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	12000 h	12000 h	50000X
929747197004	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	20000 h	20000 h	50000X

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
929689132301	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	463	420	827	Warm White (WW)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
929689132302	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	463	420	827	Warm White (WW)

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Order Code	Full Product Name	Chromaticity	Chromaticity	Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
929689132601	MASTER PLE-R 33W/865 E27 220-240V 1CT/6	313	337	865	Cool Daylight
929730582709	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	467	424	827	Warm White (WW)
929730982709	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	466	422	827	Warm White (WW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
929746197004	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	457	416	827	Warm White (WW)
929746197304	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	315	340	865	Cool Daylight
929747197004	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	457	416	827	Warm White (WW)

Light Technical (2/2)

Order Code	Full Product Name	Correlated Color	Color	Lumen	Lumen	Luminous	Luminous	Luminous	Luminous
		Temperature (Nom)	Rendering Index (Nom)	Maintenance 2000 h (Nom)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)			
929689132301	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	2700 K	82	95 %	-	67.2 lm/W	-	1820 lm	1820 lm
929689132302	MASTER PLE-R 27W/827 E27 220-240V 1CT/6	2700 K	82	95 %	-	67.2 lm/W	-	1820 lm	1820 lm
929689132601	MASTER PLE-R 33W/865 E27 220-240V 1CT/6	6500 K	81	90 %	-	65.2 lm/W	-	2160 lm	2160 lm
929730582709	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	2700 K	82	90 %	85 %	50 lm/W	390 lm	432 lm	432 lm
929730982709	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	2700 K	82	90 %	85 %	55 lm/W	540 lm	600 lm	600 lm
929746197004	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	2700 K	82	95 %	90 %	60 lm/W	-	1220 lm	1220 lm
929746197304	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	6500 K	81	90 %	85 %	58.8 lm/W	1058 lm	1175 lm	1175 lm
929747197004	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	2700 K	82	95 %	90 %	63 lm/W	-	1500 lm	1485 lm

