



Product Description

MASTER PL-Electronic

Non-covered energy-saving MASTER lamps for professional use

Benefits

- Highest energy efficiency resulting in one-fifth the energy consumption of an incandescent lamp for the same light output
- Smallest dimensions ensuring optimal physical fit
- 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
- Green Flagship product as best environmental choice in the CFL portfolio
- Lifetime independent of switching on-off
- Lowest total cost of ownership

Features

- Lightweight, superior long-life alternative to incandescent lamps
- The perfect choice for end users that demand the best performance and reliability
- Average lifetime 15 times longer than an incandescent lamp
- European energy efficiency labelling class A for the complete range
- Very good lumen maintenance throughout the lifetime of the lamp
- Complete range equipped with the unique Philips bridged burner technology (Mercury)
- Very low mercury content (≤ 2 mg)

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Application

- Designed to replace incandescent lamps in most professional and semi-professional applications
- Mainly indoor (e.g. hotels, restaurants, offices)
- For outdoor applications 3 types (15, 20, 23W) will remain available also in Amalgam with the benefit of virtually constant light output (>90%) over the recommended temperature
- Enclosed fixtures are required for outdoor applications
- Suitable for emergency lighting with DC supply
- Not suitable for dimming and electronic devices

Versions



8W, E27



11W, E27

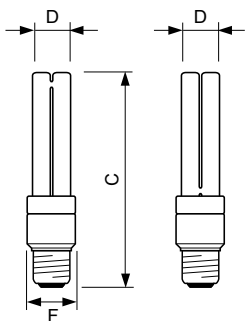
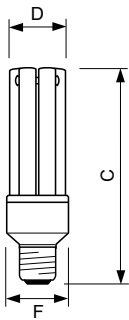


20W, E27



23W, E27

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

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Approval and Application

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	1.41 mg

Controls and Dimming

Dimmable	No
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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
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Light Technical

Llmf At End Of Nominal Lifetime (Nom)	65 %
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Mechanical and Housing

Bulb Shape	Stick
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/	Mercury (Hg)
		1000 h	Content (Max)
26358200	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	8 kWh	-
26368100	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	11 kWh	-
75143010	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	20 kWh	1.5 mg
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	20 kWh	1.5 mg
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	23 kWh	1.5 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			Power
		Current (Nom)	Voltage (Nom)	Wattage Equivalent	(Rated) (Nom)
26358200	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	65 mA	230-240 V	40 W	8 W
26368100	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	75 mA	230-240 V	50 W	11 W
75143010	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	140 mA	220-240 V	90 W	20.0 W

Order Code	Full Product Name	Lamp			Power
		Current (Nom)	Voltage (Nom)	Wattage Equivalent	(Rated) (Nom)
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	140 mA	220-240 V	87 W	20.0 W
75144710	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	Starting Time
		(Max)	(Nom)
26358200	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	0.2 s	-
26368100	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	0.2 s	-
75143010	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	-	1.0 s

Order Code	Full Product Name	Starting Time	Starting Time
		(Max)	(Nom)
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	-	1.0 s
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	-	1.0 s

General Information

MASTER PL-Electronic

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
26358200	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	15000 h	15000 h	20000X
26368100	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	15000 h	15000 h	20000X
75143010	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	20000 h	20000 h	50000X

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	12000 h	12000 h	50000X
75144710	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
26358200	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	467	424	827	Warm White (WW)
26368100	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	466	422	827	Warm White (WW)
75143010	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	457	416	827	Warm White (WW)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	315	340	865	Cool Daylight
75144710	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 Temperature (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Min)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
26358200	MASTER PLE-C 8W/827 E27 230-240V 1CT/6	2700 K	82	90 %	85 %	50 lm/W	390 lm	432 lm	432 lm
26368100	MASTER PLE-C 11W/827 E27 230-240V 1CT/6	2700 K	82	90 %	85 %	55 lm/W	540 lm	600 lm	600 lm
75143010	MASTER PLE-R 20W/827 E27 220-240V 1CT/6	2700 K	82	95 %	90 %	60 lm/W	-	1220 lm	1220 lm
71222610	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
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	2700 K	82	95 %	90 %	63 lm/W	-	1500 lm	1485 lm

