



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)

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

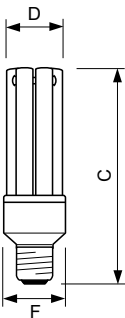


20W, E27



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

Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Max)	1.5 mg
Mercury (Hg) Content (Nom)	1.41 mg
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	50 or 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	1.0 s
Warm Up Time To 60% Light (Max)	60 s
Warm Up Time To 60% Light (Min)	10 s
General Information	
Cap-Base	E27
Switching Cycle	50000X
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
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	20 kWh
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	23 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	140 mA	87 W	20.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	156 mA	105 W	23.0 W

General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
71222610	MASTER PLE-R 20W/865 E27 220-240V 1CT/6	12000 h	12000 h

Order Code	Full Product Name	Nominal Lifetime (Nom)	Rated Lifetime (Hours)
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	20000 h	20000 h

Light Technical (1/2)

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

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Code	Color Designation
75144710	MASTER PLE-R 23W/827 E27 220-240V 1CT/6	457	416	827	Warm White (WW)

Light Technical (2/2)

MASTER PL-Electronic

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)
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

