



Product Description

ML

Mixed Light lamps

Benefits

- Direct retrofit for incandescent lamps
- Higher efficacy and lifetime than incandescent

Features

- High-pressure mercury tube in series with a tungsten filament
- Runs on mains voltage without additional gear
- Combines a continuous spectrum from the incandescent source and a line spectrum from the high-pressure mercury source

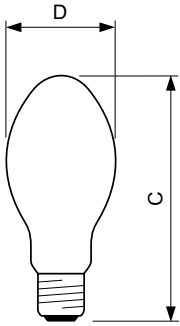
Application

- Public outdoor lighting, car parks, workshops, garages and shops

Versions



Dimensional drawing



Product	D (max)	C (max)
ML 160W E27 220-230V SG 1CT/24	76 mm	172 mm
ML 250W E40 220-230V 1SL/12	91 mm	226 mm
ML 500W E40 220-230V 1SL/6	122 mm	290 mm

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Voltage (Nom)	225 V
General Information	
Life To 5% Failures (Nom)	2000 h
Operating Position	VBU/VBD30
Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Mechanical and Housing	
Bulb Finish	Coated

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
27789400	ML 250W E40 220-230V 1SL/12	286 kWh	C	14 mg
27791700	ML 500W E40 220-230V 1SL/6	550 kWh	B	46 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
24698230	ML 160W E27 220-230V SG 1CT/24	181 kWh	C	12 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Max)	Lamp Current (EM) (Min)	Lamp Current (EM) (Nom)	Power (Rated) (Nom)
27789400	ML 250W E40 220-230V 1SL/12	1.27 A	1.13 A	1.2 A	260.0 W
27791700	ML 500W E40 220-230V 1SL/6	2.44 A	2.20 A	2.32 A	500.0 W

Order Code	Full Product Name	Lamp Current (EM) (Max)	Lamp Current (EM) (Min)	Lamp Current (EM) (Nom)	Power (Rated) (Nom)
24698230	ML 160W E27 220-230V SG 1CT/24	0.8 A	0.72 A	0.76 A	165.0 W

General Information

Order Code	Full Product Name	Cap-Base	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)
27789400	ML 250W E40 220-230V 1SL/12	E40	5000 h	10000 h
27791700	ML 500W E40 220-230V 1SL/6	E40	5000 h	10000 h

Order Code	Full Product Name	Cap-Base	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)
24698230	ML 160W E27 220-230V SG 1CT/24	E27	7000 h	13000 h

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)
27789400	ML 250W E40 220-230V 1SL/12	403	382	3400 K	63	85 %	90 %	70 %
27791700	ML 500W E40 220-230V 1SL/6	396	387	3700 K	50	85 %	90 %	70 %
24698230	ML 160W E27 220-230V SG 1CT/24	399	380	3600 K	63	82 %	87 %	78 %

Light Technical (2/2)

Order Code	Full Product Name	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
27789400	ML 250W E40 220-230V 1SL/12	80 %	21 lm/W	5000 lm	5500 lm
27791700	ML 500W E40 220-230V 1SL/6	80 %	26 lm/W	12500 lm	13000 lm

Order Code	Full Product Name	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
24698230	ML 160W E27 220-230V SG 1CT/24	83 %	19 lm/W	2850 lm	3150 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
27789400	ML 250W E40 220-230V 1SL/12	Hard Glass	ED90
27791700	ML 500W E40 220-230V 1SL/6	Hard Glass	ED120

Order Code	Full Product Name	Bulb Material	Bulb Shape
24698230	ML 160W E27 220-230V SG 1CT/24	Soft Glass	E75

Colour Rendering Diagrams

