



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

Warnings and Safety

- 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.

Versions

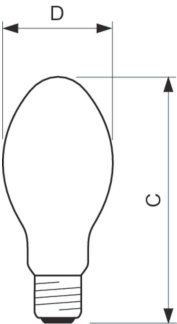


E27



E39/E40

Dimensional drawing



Product	D (max)	C (max)
ML 160W E27 220-230V SG 1CT/24	76 mm	172 mm
ML 250W E27 225-235V 1SL/12	91 mm	212 mm
ML 250W E40 220-230V 1SL/12	91 mm	226 mm

Approval and Application	
Energy Efficiency Label (EEL)	C
Controls and Dimming	
Dimmable	No
General Information	
Life To 5% Failures (Nom)	2000 h
Operating Position	VBU/VBD30
Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Light Technical	
Color Rendering Index (Nom)	63
Mechanical and Housing	
Bulb Finish	Coated glass

Approval and Application

Order Code	Full Product Name	Energy Consumption	Mercury (Hg)
		kWh/1000 h	Content (Nom)
928096056892	ML 250W E27 225-235V 1SL/12	291 kWh	16.3 mg
928601008988	ML 160W E27 220-230V SG 1CT/24	181 kWh	12 mg

Order Code	Full Product Name	Energy Consumption	Mercury (Hg)
		kWh/1000 h	Content (Nom)
928096257291	ML 250W E40 220-230V 1SL/12	286 kWh	14 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Max)	Lamp Current (EM) (Min)	Lamp Current (EM) (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928096056892	ML 250W E27 225-235V 1SL/12	1.205 A	1.075 A	1.14 A	230 V	265.0 W
928601008988	ML 160W E27 220-230V SG 1CT/24	0.8 A	0.72 A	0.76 A	225 V	165.0 W
928096257291	ML 250W E40 220-230V 1SL/12	1.27 A	1.13 A	1.2 A	225 V	260.0 W

General Information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 20% Failures	Life To 50% Failures	LSF 12000 h	LSF 16000 h	LSF 2000 h	LSF 20000 h
			(Nom)	(Nom)	Rated	Rated	Rated	Rated
928096056892	ML 250W E27 225-235V 1SL/12	E27	5000 h	10000 h	40 %	25 %	95 %	12 %
928601008988	ML 160W E27 220-230V SG 1CT/24	E27	7000 h	13000 h	-	-	-	-
928096257291	ML 250W E40 220-230V 1SL/12	E40	5000 h	10000 h	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated
928096056892	ML 250W E27 225-235V 1SL/12	85 %	72 %	60 %
928601008988	ML 160W E27 220-230V SG 1CT/24	-	-	-

Order Code	Full Product Name	LSF 4000 h	LSF 6000 h	LSF 8000 h
		Rated	Rated	Rated
928096257291	ML 250W E40 220-230V 1SL/12	-	-	-

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	LLMF 12000 h	LLMF 16000 h	LLMF 2000 h	LLMF 20000 h
		Coordinate X (Nom)	Coordinate Y (Nom)	Temperature (Nom)	Rated	Rated	Rated	Rated
928096056892	ML 250W E27 225-235V 1SL/12	402	382	-	72 %	67 %	90 %	62 %
928601008988	ML 160W E27 220-230V SG 1CT/24	399	380	3600 K	-	-	-	-
928096257291	ML 250W E40 220-230V 1SL/12	403	382	-	-	-	-	-

Light Technical (2/3)

Order Code	Full Product Name	LLMF 4000 h	LLMF 6000 h	LLMF 8000 h	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)
		Rated	Rated	Rated						
928096056892	ML 250W E27 225-235V 1SL/12	83 %	79 %	77 %	85 %	90 %	70 %	80 %	20.4 lm/W	-
928601008988	ML 160W E27 220-230V SG 1CT/24	-	-	-	82 %	87 %	78 %	83 %	19 lm/W	2850 lm

Order Code	Full Product Name	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Luminous	Luminous
		4000 h	6000 h	8000 h	Maintenance	Maintenance	Maintenance	Maintenance	Efficacy (rated)	Flux (Rated)
		Rated	Rated	Rated	2000 h (Min)	2000 h (Nom)	5000 h (Min)	5000 h (Nom)	(Nom)	(Min)
928096257291	ML 250W E40 220-230V 1SL/12	-	-	-	85 %	90 %	70 %	80 %	21 lm/W	5000 lm

Light Technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928096056892	ML 250W E27 225-235V 1SL/12	5400 lm
928601008988	ML 160W E27 220-230V SG 1CT/24	3150 lm

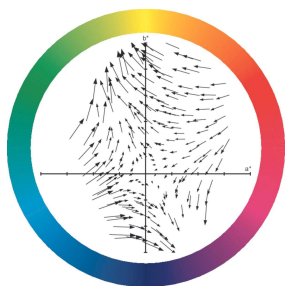
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
928096257291	ML 250W E40 220-230V 1SL/12	5500 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
928096056892	ML 250W E27 225-235V 1SL/12	Soft Glass	ED-28
928601008988	ML 160W E27 220-230V SG 1CT/24	Soft Glass	E75

Order Code	Full Product Name	Bulb Material	Bulb Shape
928096257291	ML 250W E40 220-230V 1SL/12	Hard Glass	ED-28

Colour Rendering Diagrams



LDCR_ML-Colour rendering diagram



