



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

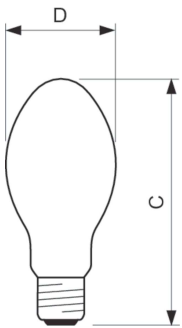


E27



E39/E40

Dimensional drawing



Product	D (max)	C (max)
ML 160W E27 225-235V SG 1SL/24	76 mm	173 mm
ML 500W E40 225-235V HG 1SL/6	122 mm	290 mm
ML 160W E27 220-230V SG 1CT/24	76 mm	172 mm
ML 500W E40 220-230V 1SL/6	122 mm	290 mm
ML 250W E27 225-235V 1SL/12	91 mm	212 mm
ML 250W E40 220-230V 1SL/12	91 mm	226 mm

Controls and dimming

Dimmable	No
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General information

Operating Position	VBU/VBD30
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Luminaire design requirements

Bulb Temperature (Max)	350 °C
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Mechanical and housing

Bulb Finish	Coated glass
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Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928095056891	ML 160W E27 225-235V SG 1SL/24	160 kWh	13 mg
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 kWh/1000 h	Mercury (Hg) Content (Nom)
928096257291	ML 250W E40 220-230V 1SL/12	286 kWh	14 mg
928097056822	ML 500W E40 225-235V HG 1SL/6	500 kWh	48.9 mg
928097057791	ML 500W E40 220-230V 1SL/6	550 kWh	46 mg

Operating and electrical

Order Code	Full Product Name	Lamp Current (EM) (Max)	Lamp Current (EM) (Min)	Lamp Current (EM) (Nom)	Voltage (Nom)	Power (Nom)
928095056891	ML 160W E27 225-235V SG 1SL/24	-	-	0.74 A	230 V	165.0 W
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
928097056822	ML 500W E40 225-235V HG 1SL/6	-	-	2.29 A	230 V	500.0 W
928097057791	ML 500W E40 220-230V 1SL/6	2.44 A	2.20 A	2.32 A	225 V	500.0 W

General information (1/2)

Order Code	Full Product Name	Cap-Base	Life To 10%	Life To 20% Failures	Life To 50% Failures	Life To 5% Failures	LSF 12000 h	LSF 16000 h
			Failures (Nom)	(Nom)	(Nom)	(Nom)	Rated	Rated
928095056891	ML 160W E27 225-235V SG 1SL/24	E27	3000 h	5000 h	8000 h	-	-	-
928096056892	ML 250W E27 225-235V 1SL/12	E27	-	5000 h	10000 h	2000 h	40 %	25 %
928601008988	ML 160W E27 220-230V SG 1CT/24	E27	-	7000 h	13000 h	2000 h	-	-
928096257291	ML 250W E40 220-230V 1SL/12	E40	-	5000 h	10000 h	2000 h	-	-
928097056822	ML 500W E40 225-235V HG 1SL/6	E40	3000 h	5000 h	8000 h	-	-	-
928097057791	ML 500W E40 220-230V 1SL/6	E40	-	5000 h	10000 h	2000 h	-	-

General information (2/2)

Order Code	Full Product Name	LSF	LSF	LSF	LSF	LSF	Order Code	Full Product Name	LSF	LSF	LSF	LSF	LSF
		2000 h	20000 h	4000 h	6000 h	8000 h			2000 h	20000 h	4000 h	6000 h	8000 h
928095056891	ML 160W E27 225-235V SG 1SL/24	93 %	-	85 %	70 %	50 %	928096257291	ML 250W E40 220-230V 1SL/12	-	-	-	-	-
928096056892	ML 250W E27 225-235V 1SL/12	95 %	12 %	85 %	72 %	60 %	928097056822	ML 500W E40 225-235V HG 1SL/6	93 %	-	85 %	70 %	50 %
928601008988	ML 160W E27 220-230V SG 1CT/24	-	-	-	-	-	928097057791	ML 500W E40 220-230V 1SL/6	-	-	-	-	-

Light technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Correlated Color	Color Rendering	LLMF 12000	LLMF 16000	LLMF 2000
		Coordinate X (Nom)	Coordinate Y (Nom)					
928095056891	ML 160W E27 225-235V SG 1SL/24	371	380	3600 K	65	-	-	-
928096056892	ML 250W E27 225-235V 1SL/12	402	382	-	63	72 %	67 %	90 %
928601008988	ML 160W E27 220-230V SG 1CT/24	399	380	3600 K	63	-	-	-
928096257291	ML 250W E40 220-230V 1SL/12	403	382	-	63	-	-	-
928097056822	ML 500W E40 225-235V HG 1SL/6	376	401	-	50	-	-	-
928097057791	ML 500W E40 220-230V 1SL/6	396	387	-	50	-	-	-

Light technical (2/3)

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Luminous
		20000 h	4000 h	6000 h	8000 h	Maintenance	Maintenance	Maintenance	Maintenance	Efficacy (rated)
928095056891	ML 160W E27 225-235V SG 1SL/24	-	-	-	-	80 %	90 %	75 %	85 %	17 lm/W

Order Code	Full Product Name	LLMF	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Luminous
		20000 h Rated	4000 h Rated	6000 h Rated	8000 h Rated	Maintenance 2000 h (Min)	Maintenance 2000 h (Nom)	Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)
928096056892	ML 250W E27 225-235V 1SL/12	62 %	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
928096257291	ML 250W E40 220-230V 1SL/12	-	-	-	-	85 %	90 %	70 %	80 %	21 lm/W
928097056822	ML 500W E40 225-235V HG 1SL/6	-	-	-	-	80 %	85 %	75 %	85 %	26 lm/W
928097057791	ML 500W E40 220-230V 1SL/6	-	-	-	-	85 %	90 %	70 %	80 %	26 lm/W

Light technical (3/3)

Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928095056891	ML 160W E27 225-235V SG 1SL/24	-	3200 lm
928096056892	ML 250W E27 225-235V 1SL/12	-	5400 lm
928601008988	ML 160W E27 220-230V SG 1CT/24	2850 lm	3150 lm

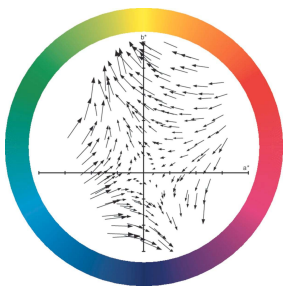
Order Code	Full Product Name	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
928096257291	ML 250W E40 220-230V 1SL/12	5000 lm	5500 lm
928097056822	ML 500W E40 225-235V HG 1SL/6	-	13000 lm
928097057791	ML 500W E40 220-230V 1SL/6	12500 lm	13000 lm

Mechanical and housing

Order Code	Full Product Name	Bulb Material	Bulb Shape
928095056891	ML 160W E27 225-235V SG 1SL/24	Soft Glass	BF75
928096056892	ML 250W E27 225-235V 1SL/12	Soft Glass	ED90
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	ED90
928097056822	ML 500W E40 225-235V HG 1SL/6	Hard Glass	ED120
928097057791	ML 500W E40 220-230V 1SL/6	Hard Glass	ED120

Color Rendering Diagrams



LDCR_ML-Colour rendering diagram

