



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

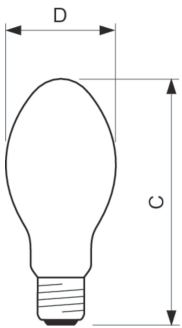
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Versions



E27

Dimensional drawing



Product	D (max)	C (max)
ML 100W E27 225-235V SG 1SL/24	71 mm	155 mm
ML 160W E27 225-235V SG 1SL/24	76 mm	173 mm
ML 250W E27 225-235V 1SL/12	91 mm	212 mm

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Voltage (Nom)	230 V
General Information	
Cap-Base	E27
Life To 20% Failures (Nom)	5000 h
LSF 4000 h Rated	85 %
Operating Position	VBU/VBD30
Luminaire Design Requirements	
Bulb Temperature (Max)	350 °C
Mechanical and Housing	
Bulb Finish	Coated glass
Bulb Material	Soft Glass

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy	
			Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
18048330	ML 100W E27 225-235V SG 1SL/24	100 kWh	E	6.2 mg
18135030	ML 160W E27 225-235V SG 1SL/24	160 kWh	C	13 mg
27787000	ML 250W E27 225-235V 1SL/12	291 kWh	C	16.3 mg

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Max)	Lamp Current (EM) (Min)	Lamp Current (EM) (Nom)	Power (Rated) (Nom)
18048330	ML 100W E27 225-235V SG 1SL/24	-	-	0.47 A	104.0 W
18135030	ML 160W E27 225-235V SG 1SL/24	-	-	0.74 A	165.0 W

Order Code	Full Product Name	Lamp Current (EM) (Max)	Lamp Current (EM) (Min)	Lamp Current (EM) (Nom)	Power (Rated) (Nom)
27787000	ML 250W E27 225-235V 1SL/12	1.205 A	1.075 A	1.14 A	265.0 W

General Information (1/2)

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	LSF 12000 h Rated
18048330	ML 100W E27 225-235V SG 1SL/24	3000 h	8000 h	-	-
18135030	ML 160W E27 225-235V SG 1SL/24	3000 h	8000 h	-	-

Order Code	Full Product Name	Life To 10% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	LSF 12000 h Rated
27787000	ML 250W E27 225-235V 1SL/12	-	10000 h	2000 h	40 %

General Information (2/2)

Order Code	Full Product Name	LSF 16000 h Rated	LSF 2000 h Rated	LSF 20000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
18048330	ML 100W E27 225-235V SG 1SL/24	-	93 %	-	70 %	50 %
18135030	ML 160W E27 225-235V SG 1SL/24	-	93 %	-	70 %	50 %

Order Code	Full Product Name	LSF 16000 h Rated	LSF 2000 h Rated	LSF 20000 h Rated	LSF 6000 h Rated	LSF 8000 h Rated
27787000	ML 250W E27 225-235V 1SL/12	25 %	95 %	12 %	72 %	60 %

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom) K	Color Rendering Index (Nom)
18048330	ML 100W E27 225-235V SG 1SL/24	385	391	3300 K	-
18135030	ML 160W E27 225-235V SG 1SL/24	371	380	3600 K	65

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom) K	Color Rendering Index (Nom)
27787000	ML 250W E27 225-235V 1SL/12	402	382	-	63

Light Technical (2/3)

Order Code	Full Product Name	LLMF 12000 h Rated	LLMF 16000 h Rated	LLMF 2000 h Rated	LLMF 20000 h Rated	LLMF 4000 h Rated	LLMF 6000 h Rated	LLMF 8000 h Rated	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)
18048330	ML 100W E27 225-235V SG 1SL/24	-	-	-	-	-	-	-	80 %	85 %
18135030	ML 160W E27 225-235V SG 1SL/24	-	-	-	-	-	-	-	80 %	90 %

Order Code	Full Product Name	LLMF	LLMF	LLMF		LLMF	LLMF	Lumen Maintenance		
		12000 h Rated	16000 h Rated	LLMF 2000 h Rated	20000 h Rated	LLMF 4000 h Rated	6000 h Rated	8000 h Rated	2000 h (Min)	Lumen Maintenance 2000 h (Nom)
27787000	ML 250W E27 225-235V 1SL/12	72 %	67 %	90 %	62 %	83 %	79 %	77 %	85 %	90 %

Light Technical (3/3)

Order Code	Full Product Name	Lumen	Lumen	Luminous	Luminous
		Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)	Flux (Rated) (Nom)
18048330	ML 100W E27 225-235V SG 1SL/24	75 %	78 %	10.0 lm/W	1000 lm
18135030	ML 160W E27 225-235V SG 1SL/24	75 %	85 %	17 lm/W	3200 lm

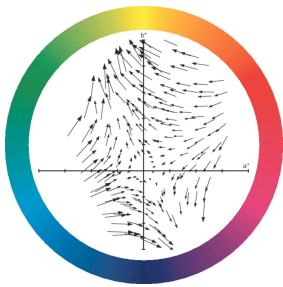
Order Code	Full Product Name	Lumen	Lumen	Luminous	Luminous
		Maintenance 5000 h (Min)	Maintenance 5000 h (Nom)	Efficacy (rated) (Nom)	Flux (Rated) (Nom)
27787000	ML 250W E27 225-235V 1SL/12	70 %	80 %	20.4 lm/W	5400 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
18048330	ML 100W E27 225-235V SG 1SL/24	B70
18135030	ML 160W E27 225-235V SG 1SL/24	BF75

Order Code	Full Product Name	Bulb Shape
27787000	ML 250W E27 225-235V 1SL/12	ED90

Colour Rendering Diagrams



LDCR_ML-Colour rendering diagram



