

L70  
25°C

50,000 Hours



NOTES:

FIXTURE TYPE:

PROJECT:



## FEATURES

### Construction

- Standard with 4ft and can be extended by row connector and occlusion block.
- Surface mounting or chain mounting for different applications.

### Optics

- Lumen output from 3050-6200lm with efficacy up to 138lm/W.
- Adjustable lumen output with four lumen settings 100%, 80%, 60%, 40%.
- Switchable color temperature 3000K/4000K/5000K.

### Electrical

- Universal voltage of 120-277VAC.
- 0-10V dimming standard for a dimming range of 100% to 10%.
- Operating temperature is -40°C to 40°C (-40°F to 104°F).

Note: Operating with emergency battery temperature range: 5°C to 40°C (+40°F- +104°F).

### Controls

- Optional PIR sensor.
- Optional Emergency Battery.

### Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

### Warranty

- Five-year warranty.

### Certifications

- UL cUL damp location listed.

### Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.

## DIMENSIONS

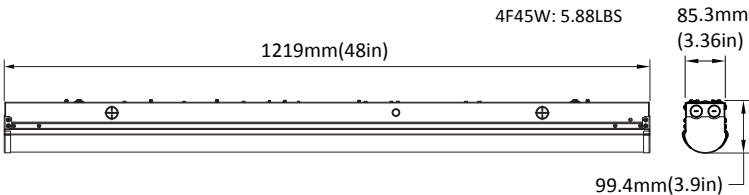
unit: inch/mm

Weight:

4F23W: 5.67LBS

4F35W: 5.75LBS

4F45W: 5.88LBS



## PRODUCT DESCRIPTION

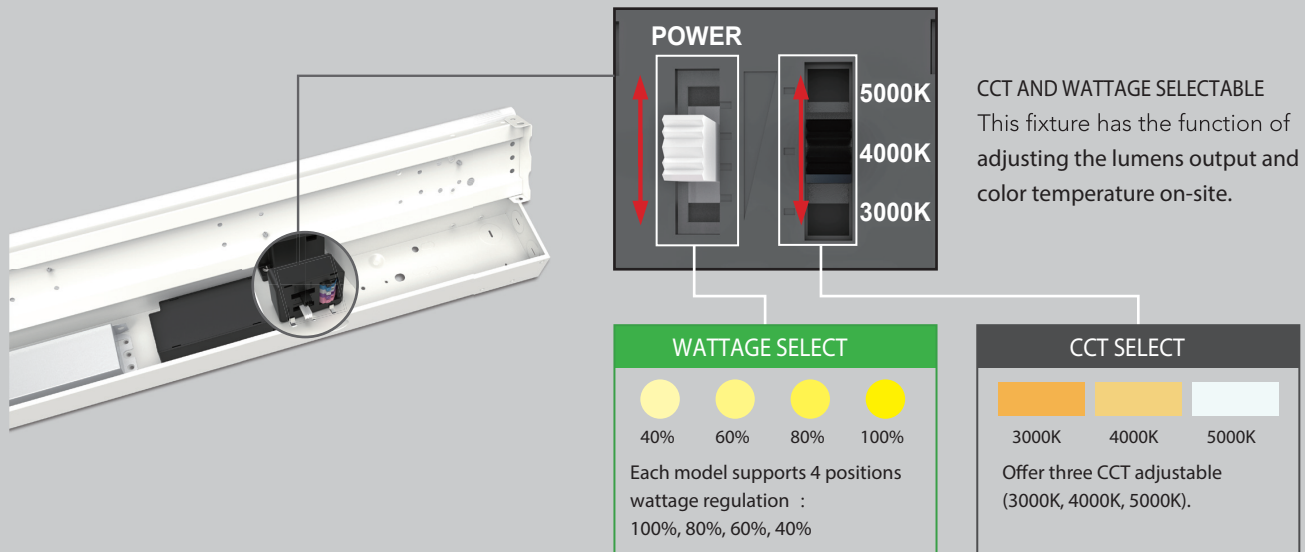
Our MLF02 series provides aesthetic and performance choices, integrated controls options and innovative mounting accessories ideal for commercial, retail, manufacturing, warehouse, cove and display applications. When paired with occupancy sensors, dimming and intuitive controls, you save energy and extend the life of the fixtures.

## ORDERING INFORMATION

EXAMPLE: MLF02-4FT-23W-27V-DDK-B-F-AD



Model	Length	Wattage	Voltage	CCT	Sensor (Option)	Backup Battery (Option)	Lens	CCT and Power Adjustable
MLF02 = Linear Fixture	4F= 4FT	23=23W 35=35W 45=45W	27V =120-277V	DDK = Adjustable color temperature	Blank= Without Sensor M = With Sensor	B=Emergency Battery Blank = Without Emergency Battery	F = Frosted lens	AD = With Adjustment Dial



**Side 1/2" Knockouts**

Available for bi-level motion sensor.

**1/2" Knockouts**

End Cap Wiring Knockouts are designed for  
connecting multiple fixtures, to achieve  
4ft, 8ft, 12ft length etc. by row connector.

**Housing**

Advanced thermal management  
aluminum alloy with white coat finish.  
Suitable for surface mount and Sling mount.

**Frosted diffuser**  
Distribute general photometry.  
Uniformly dispersing the light.

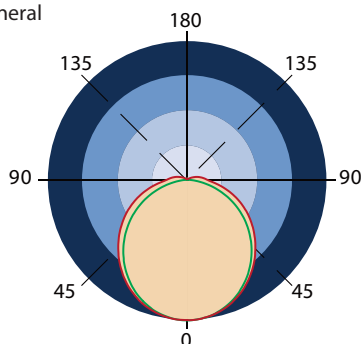
**Emergency Battery**  
90min, 900lm

**PERFORMANCE DATA**

SYSTEM WATTS	LENS	VOLTAGE	LUMENS 3000K (80CRI)	LPW 3000K (80CRI)	LUMENS 4000K (80CRI)	LPW 4000K (80CRI)	LUMENS 5000K (80CRI)	LPW 5000K (80CRI)
23W	Frosted	120-277VAC	3050 lm	133 lm/W	3350 lm	146 lm/W	3200 lm	139 lm/W
35W	Frosted	120-277VAC	4500 lm	129 lm/W	4900 lm	140 lm/W	4700 lm	134 lm/W
45W	Frosted	120-277VAC	5800 lm	129 lm/W	6200 lm	138 lm/W	6050 lm	134 lm/W

**PHOTOMETRICS**

General



**ENERGY SAVING REPLACEMENT**

SIZE	POWER	REPLACING
4ft	23	T8
4ft	35	T8x2
4ft	45	T5HOx2

## ACCESSORIES (OPTIONAL)



**Motion Sensor**  
Sensor can be  
pre-installed in factory  
or field installed



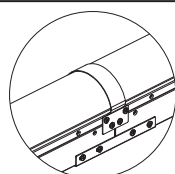
**Emergency Battery  
Backup**  
900lm 90min



**Aircraft Cable**  
Model: AIRCRAFT-LH-A



**Surface Mounting Plate**  
Model: SC-LF02-J4-WA



Model: RC-LF02WA

**Row Connector**  
The row connector  
can connect multiple  
fixtures to form a solid  
linear fixture group.

## ELECTRICAL DATA

SIZE	NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
4 FT	1	430	23	120	0.19
			23	208	0.11
			23	240	0.10
			23	277	0.08
4 FT	1	610	35	120	0.29
			35	208	0.17
			35	240	0.15
			35	277	0.13
4 FT	1	770	45	120	0.38
			45	208	0.22
			45	240	0.19
			45	277	0.16

## ADJUSTABLE LUMEN OUTPUT TABLE

SETTING	CCT	23W		35W		45W	
		SETTING WATTS (W)	LUMENS (lm)	SETTING WATTS (W)	LUMENS (lm)	SETTING WATTS (W)	LUMENS (lm)
100%	4000K	23	3350	35	4900	45	6200
80%	4000K	18	2700	28	4000	36	5000
60%	4000K	14	2100	21	3150	27	3800
40%	4000K	9	1450	15	2350	18	2700