



Specifications



Bluetooth



Construction

- Standard lengths are 2ft, 4ft, 8ft, and it can be extended via joiner brackets.
- The fixture housing, heatsink, and J-box cover are constructed from cold-rolled steel.
- Housing components act as a heatsink for LED heat dissipation.
- The fixture can be surface-mounted or pendant-mounted, with appropriate mounting options provided (see accessories).

Optics

- Selectable CCT: 2700K, 3000K, 3500K, 4000K, 5000K.
- Scalable lumen packages range from 1,428 to 12,573 lumens, with efficacy up to 160 lm/W.
- <5 SDCM color consistency, 80 CRI.
- Features PC lens is designed to shape the light uniformity and comfortable light.

Electrical

- Universal 120-277 VAC input voltage.
- Selectable Wattage Levels: 10W/16W/20W/24W; 22W/28W/34W/40W; 46W/54W/62W/70W; 50W/60W/70W/86W.
- 0-10V dimming driver with 10%-100% dimming range.
- PF > 0.9, THD < 20%.
- Operating Temperature Range: -20°C to 40°C (-4°F - + 104°F).

Note: Operating temperature range with emergency battery : 10°C to 40°C (+50°F - + 104°F).

Controls

- A PIR sensor (with optional Bluetooth) or a microwave sensor is available as an option to further enhance energy savings.
- The optional sensor receptacle allows for quick on-site sensor installation.
- Emergency battery backup optional.

Installation

- Surface Mount.
- Chain Installation.
- Steel Wire Installation.
- T-Grid Mount.

Lifespan

- Estimated L70 $\geq$ 100,000-hour LED lifespan based on IES TM-21 calculations at 25°C.

Warranty

- Five-year limited warranty.

Certifications

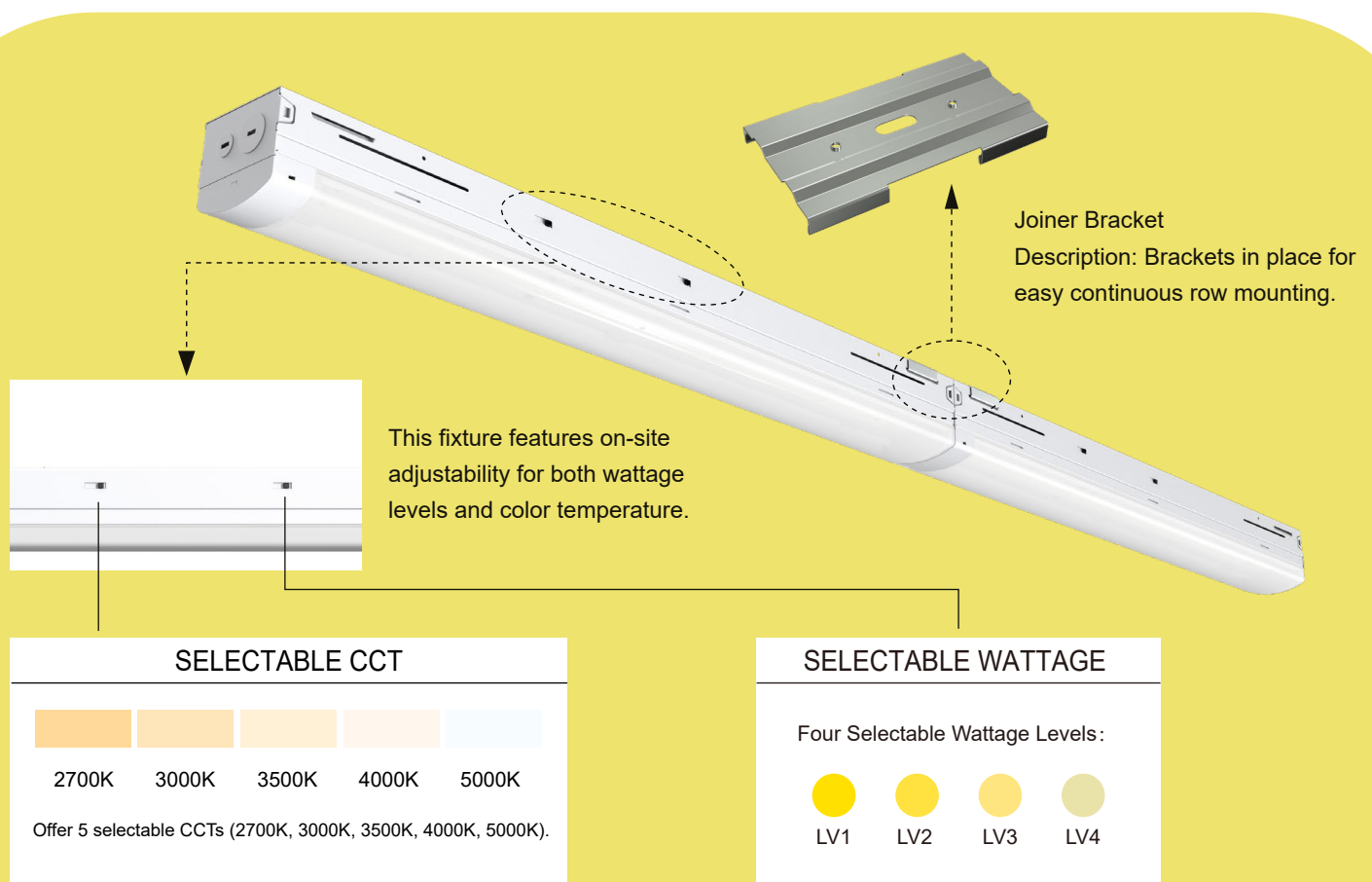
- UL cUL damp location listed.

Applications

- Suitable for commercial, warehouses, parking lot, corridor, retail spaces.

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 ($\pm$ 5°C). Specifications are subject to change without notice.



Folding (Option)

8ft Fixture, 4ft Box

The 8-foot-long MLF04 lighting fixture incorporates an innovative internal hinge design, allowing it to fold in half for shipping. This feature reduces packaging materials and lowers shipping, storage space, and associated costs. Once unpacked, it unfolds smoothly and locks securely for effortless installation.

Folding Effect



Unfolding Effect



Performance Data

MLF04 24W 2FT @ Five Selectable CCTs

SETTING	SYSTEM WATTS	2700K(80CRI)		3000K(80CRI)		3500K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
Lv1	24W	3217	134	3456	144	3662	153	3676	153	3602	150
Lv2	20W	2751	138	2897	145	3075	154	3087	154	3010	151
Lv3	16W	2248	141	2367	148	2513	157	2523	158	2470	154
Lv4	10W	1428	143	1503	150	1596	160	1602	160	1569	157

MLF04 40W 4FT @ Five Selectable CCTs

SETTING	SYSTEM WATTS	2700K(80CRI)		3000K(80CRI)		3500K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
Lv1	40W	5257	131	5531	138	5866	147	5890	147	5768	144
Lv2	34W	4586	135	4824	142	5117	151	5138	151	5031	148
Lv3	28W	3858	138	4059	145	4305	154	4322	154	4233	151
Lv4	22W	3080	140	3240	147	3437	156	3451	157	3379	154

MLF04 70W 8FT @ Five Selectable CCTs

SETTING	SYSTEM WATTS	2700K(80CRI)		3000K(80CRI)		3500K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
Lv1	70W	9199	131	9679	138	10266	147	10307	147	10094	144
Lv2	62W	8362	135	8798	142	9332	151	9369	151	9175	148
Lv3	54W	7440	138	7828	145	8303	154	8336	154	8164	151
Lv4	46W	6440	140	6775	147	7187	156	7187	156	7038	153

MLF04 86W 8FT @ Five Selectable CCTs

SETTING	SYSTEM WATTS	2700K(80CRI)		3000K(80CRI)		3500K(80CRI)		4000K(80CRI)		5000K(80CRI)	
		LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)	LUMENS (lm)	LPW (lm/W)
Lv1	86W	11221	130	11806	137	12522	146	12573	146	12312	143
Lv2	70W	9374	134	9862	141	10460	149	10502	150	10285	147
Lv3	60W	8208	137	8635	144	9160	153	9196	153	9006	150
Lv4	50W	6950	139	7312	146	7756	155	7787	156	7626	153

Electrical Data

Number of Drivers	Driver Current(mA)	Nominal Power(W)	Input Voltage(V)	Current(Amps)
1	510	24	120	0.20
		24	208	0.12
		24	240	0.10
		24	277	0.09
1	830	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
1	1470	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
1	1900	86	120	0.72
		86	208	0.41
		86	240	0.36
		86	277	0.31

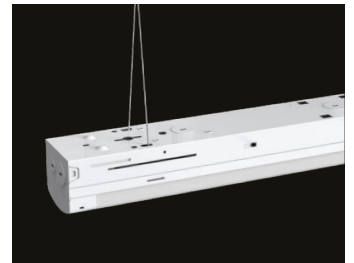
Way to Install



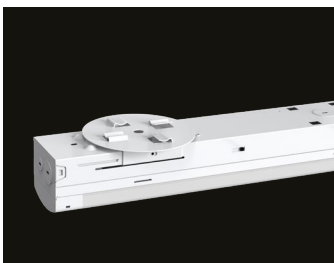
Surface Mount
(Default)



Chain Installation
V-Hook(Sold Separately)



Steel Wire Installation
Aircraft Cable(Sold Separately)

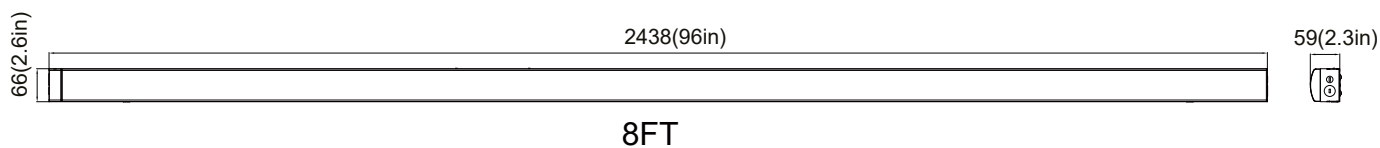
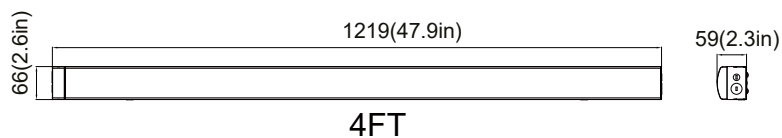
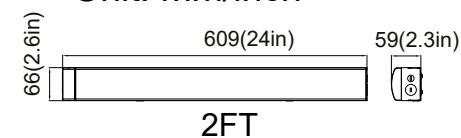


T-Grid Mount
T-Grid Bracket(Sold Separately)



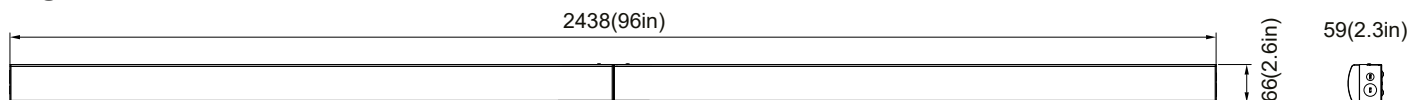
Dimension

Unit: mm/inch

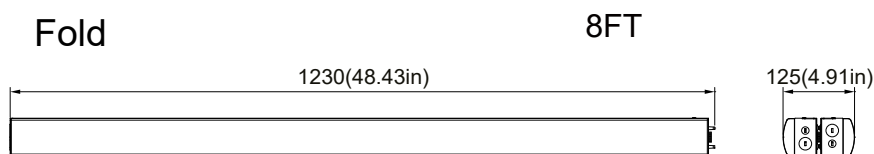


Folding (Option)

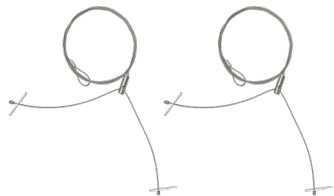
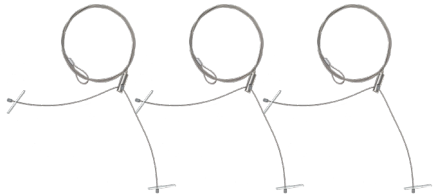
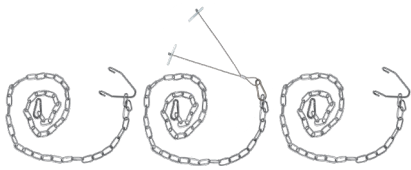
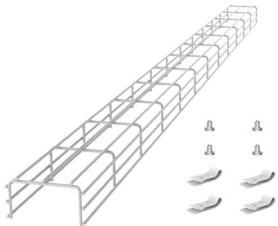
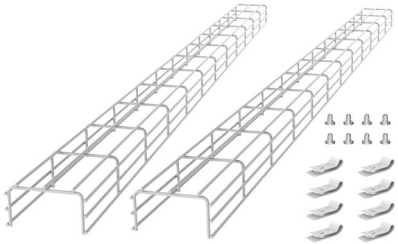
Unfold



Fold



Accessories (Optional)

1 2/4FT STEEL WIRE INSTALLATION KIT  • MLF04-ACS-Kit-5F MLF04_Aircraft Cable Suspended Mount Kit_5ft	2 2/4FT CHAIN INSTALLATION KIT  • MLF04-CH-Kit-4F MLF04_Chain Suspended Mount Kit_3.5ft	3 2/4FT T-GRID MOUNT KIT  • MLF04-TB-Kit-2/4FT-W MLF04_T-Grid Bracket Kit_4ft_White
4 8FT STEEL WIRE INSTALLATION KIT  • MLF04-F-ACS-Kit-5F MLF04_F_Aircraft Cable Suspended Mount Kit_5ft	5 8FT CHAIN INSTALLATION KIT  • MLF04-F-CH-Kit-4F MLF04_F_Chain Suspended Mount Kit_3.5ft	6 8FT T-GRID MOUNT KIT  • MLF04-TB-Kit-8FT-W MLF04_F_T-Grid Bracket Kit_8ft_White
7 JOINER BRACKET KIT  • MLF04-JB-Kit MLF04_Joiner Bracket Kit	8 4FT WIRE GUARD KIT  • MLF04-WG-Kit-4F-W MLF04_Wire Guard Kit_4ft_White	9 8FT WIRE GUARD KIT  • MLF04-WG-Kit-8F-W MLF04_Wire Guard Kit_8ft_White

10 PIR SENSOR KIT	11 MICROWAVE SENSOR KIT	12 EMERGENCY BATTERY
 • MLF04_PS_ANT-1P-5T_W MLF04_PIR Sensor_10-14VDC_White • MLF04_PS_ANT-1P-5T-BLE-GE_W MLF04_PIR Sensor with Bluetooth_10-14VDC_White • MLF04_PS_ANT-1P-5T-BLE-SR_W MLF04_PIR Sensor with Bluetooth_10-14VDC_White	 • MLF04_MS_Kit_HD027VCR-2_W MLF04_Microwave Sensor Kit_10-15VDC_White	 • STB41A-08WLi-55 Output Power_8W Emergency Time_90min

Sensors

PIR Sensor(with Optional Bluetooth Function)

The optional receptacle for plug-and-play sensor eliminates the need for on-site modifications, making installation quick and hassle-free.



Microwave Sensor

The optional microwave sensor with advanced sensing technology enables automatic detection of motion, allowing for intelligent and energy-efficient lighting control.



ORDERING GUIDE										MLF04 2F 24W 27V DDK Y Y Y Y Y Y
Fixture Type	Size	Power	Voltage	CCT	Finish	Sensor	Backup Battery	Mounting	Adjustment Dial	Internal Code
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
MLF04 Linear Fixture Series	2F 2FT 4F 4FT 8F 8FT	24W 24Watts 40W 40Watts 70W 70Watts 86W 86Watts	27V 120-277V	DDK Selectable Color Temperature 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	W White	M With Sensor R Sensor Receptacle Blank Without Sensor	B Emergency Battery Blank Without Emergency Battery	SM Surface Mount CI Chain Installation SI Steel Wire Installation TG T-Grid Mount Blank Without Accessories	AD With Adjustment Dial Blank Without Adjustment Dial	Blank Alphanumeric 1*

NOTE: *The number 1 represents the foldable version, only suitable for 8ft.