



### Applications:

Suitable for commercial, retail and institutional applications including gymnasiums, factories and warehouses.

### Features

- Available for 4ft and 8ft as per applications
- Surface mounting or Chain mounting for different applications
- PIR Sensor and Emergency Battery support
- Voltage is 120-277V or 347/480V
- Standard 0-10V dimming available, Projected life span of 50,000 hrs
- Comparable to T8 or T5HO
- Operating temperature is -40°C to 40°C (-40°F to 104°F)
- UL/cUL listed and DLC qualified



#### 1/2" Knockouts

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

#### Emergency Battery

8W 900lm 90min

#### 1/2" Knockouts

This 1/2" knockouts can be designed for external PIR sensor allows for security and energy saving

#### Housing

Easy installation and lower maintenance, and one-piece housing does not require additional accessories, more cost-effective

### PERFORMANCE DATA

SYSTEM WATTS	SIZE	LENS	VOLTAGE	3000K(80CRI)		4000K(80CRI)		5000K(80CRI)	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
23W	4FT	Frosted	120-277VAC	2900lm	126lm/W	3000lm	130lm/W	3050lm	133lm/W
30W	4FT	Frosted	120-277VAC	3850lm	128lm/W	4000lm	133lm/W	4050lm	134lm/W
35W	4FT	Frosted	120-277VAC	4450lm	127lm/W	4650lm	133lm/W	4700lm	134lm/W
45W	4FT	Frosted	120-277VAC	5700lm	127lm/W	6000lm	133lm/W	6050lm	134lm/W
50W	4FT	Frosted	347/480V	5700lm	114lm/W	6000lm	120lm/W	6050lm	121lm/W
46W	8FT	Frosted	120-277VAC	5750lm	125lm/W	6050lm	132lm/W	6100lm	133lm/W
60W	8FT	Frosted	120-277VAC	7500lm	125lm/W	8000lm	133lm/W	8000lm	133lm/W
65W	8FT	Frosted	120-277VAC	8300lm	128lm/W	8700lm	134lm/W	8700lm	134lm/W
80W	8FT	Frosted	120-277VAC	9900lm	124lm/W	10500lm	131lm/W	10550lm	132lm/W
85W	8FT	Frosted	347/480V	9900lm	116lm/W	10500lm	124lm/W	10550lm	124lm/W

### ELECTRICAL DATA

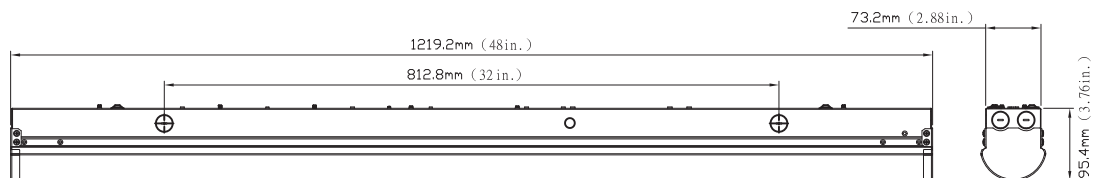
Size	Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
4 FT	1	875	30	120	0.25
			30	208	0.14
			30	240	0.13
			30	277	0.11
4 FT	1	1120	45	120	0.38
			45	208	0.22
			45	240	0.19
			50	347	0.14
			50	480	0.10
8 FT	1	1640	60	120	0.50
			60	208	0.29
			60	240	0.25
			60	277	0.22
8 FT	1	2100	80	120	0.67
			80	208	0.38
			80	240	0.33
			80	277	0.29
			85	347	0.24
			85	480	0.18

### DIMENSION

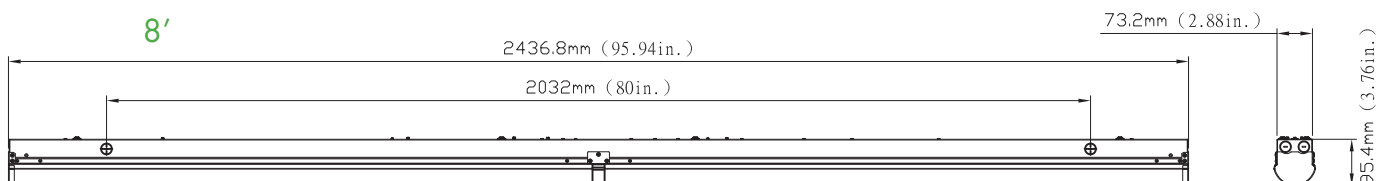
unit: inch/mm

Weight  
30W: 5.75lb  
45W: 5.88lb

4'



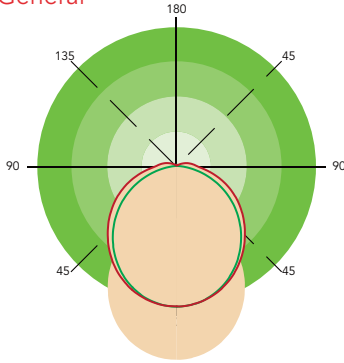
8'



Weight  
60W: 11.28lb  
80W: 11.42lb

### PHOTOMETRICS

General



### ENERGY SAVING REPLACEMENT

Size	Power	Replacing
4ft	30	T8x2
4ft	45	T5HOx2
8ft	60	T8HOx2
8ft	80	T5HOx4/T8x4

### ORDERING GUIDE

Example: MLF0230W27VXXKYYY

Fixture Type	Wattage	Voltage	CCT	Sensor (Option)	Backup Battery (Option)	Lens
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>MLF02</b> Linear Fixture	<b>23</b> 23W <b>30</b> 30W <b>35</b> 35W <b>45</b> 45W <b>46</b> 46W <b>50</b> 50W <b>60</b> 60W <b>65</b> 65W <b>80</b> 80W <b>85</b> 85W	<b>27V</b> 120-277V <b>48V</b> 347/480V	<b>30K</b> 3000K <b>40K</b> 4000K <b>50K</b> 5000K	<b>Blank</b> Without Sensor <b>M</b> With Sensor	<b>B</b> Emergency Battery <b>Blank</b> Without Emergency Battery	<b>F</b> Frosted lens

Note: 1. The Watt is 45W when the voltage is 120-277V, while when it is 347/480V, the watt is 50W.  
 2. The Watt is 80W when the voltage is 120-277V, while when it is 347/480V, the watt is 85W.

### DLC Model NO.

SYSTEM WATTS	VOLTAGE	CCT	DLC NO.	DLC Classification
30W	120-277V	4000K	MLF0230W27V40K[Blank,M][Blank,B]F	Standard
		5000K	MLF0230W27V50K[Blank,M][Blank,B]F	Standard
45W	120-277V	4000K	MLF0245W27V40K[Blank,M][Blank,B]F	Standard
		5000K	MLF0245W27V50K[Blank,M][Blank,B]F	Standard
60W	120-277V	4000K	MLF0260W27V40K[Blank,M][Blank,B]F	Standard
		5000K	MLF0260W27V50K[Blank,M][Blank,B]F	Standard
80W	120-277V	4000K	MLF0280W27V40K[Blank,M][Blank,B]F	Standard
		5000K	MLF0280W27V50K[Blank,M][Blank,B]F	Standard