

## LED LEADER Microwave sensor T8 LED Tubes



### Advantages of LED LEADER MW Sensor Dimmable LED T8 Linear Tubes

- New technology sensors and smart IC are integrated inside the tubes, no additional driver is needed!
- Special internal isolated power driver design! The microwave (ultrasonic) sensor is built right into this LED linear tube!
- Mode options allow tube to be dimmed to 10-20%. Provides great system flexibility from 0 - 100%.
- Individual grid circuit design. If any one lamp fails, it will not cause the other lamps to stop working.

### BENEFITS

- Energy savings of up to 90% more than fluorescent tubes, as much as 60% more than LED T8 tubes.
- Environmentally friendly! No mercury (Hg), lead (Pb) or other hazardous materials.
- User friendly! No strobing, flickering, or flashing that hurt or disturb the eyes. No glass to break!
- **5 YEAR WARRANTY!**

### HOW DOES THIS LED TUBE WORK?

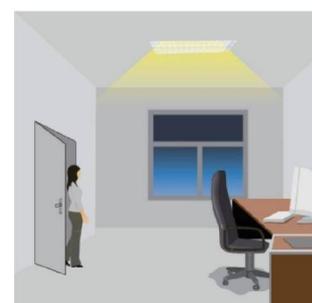
This LED tube is factory set to operate in one of two basic modes:

**MODE 1:** When there is no activity, there is 0% or no light output.

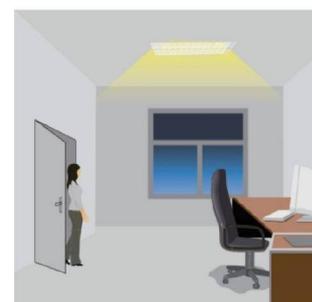
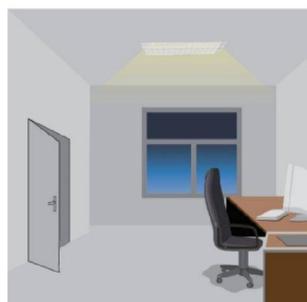
**MODE 2:** When there is no activity, there is 10-20% light output, depending on which level is desired.

**MODE 1:** When the area is vacant of people, the sensor detects no activity, and can be set to shut down 100% of the light output. There is no light when there is no activity! **Optimal energy efficiency!**

**MODE 2:** In areas like hallways or stairwells, where some light might be required by code, or where to open a door and see no light for 1-2 seconds might be too intimidating, tubes can be set to provide 10-20% light output all the time. When someone enters the area, the sensor detects activity, triggering the lamp to come to 100% or full light output. This option provides optimal safety. Your choice to set at 10%, or 20% light output.



Mode one



Mode two

## Applications

- These tubes are widely used in corridors, offices, stairwells, parking lots, warehouses, passageways, elevators, bus stops, villas and other places where 24 hour lighting is needed.



## Parameters - Clear or frosted tubes are available.

Order Code Example	L4M-18T8SMVF45-S1W30 = LED 4ft Microwave-18W-T8-Single end-multivolt-Frost-45K-1.5W						
Length 2-6 feet	2 foot	4 foot #1	4 foot #2	4 foot #3	5 foot #1	5 foot #2	6 foot
Activity power in watts	9W	12W	15W	18W	20W	25W	25W
No activity power level = 0 watts/adjustable	0-1.5W+	0-1.5W+	0-1.5W+	0-1.5W+	0-1.5W+	0-1.5W+	0-1.5W+
LED qty (Epistar SMD 2835)	42 pcs	60 pcs	78 pcs	96 pcs	108 pcs	132 pcs	132 pcs
Lumens/clear/frost ±10%	>1050/950	>1250/1200	>1650/1600	>2100/2000	>2250/2140	>2625/2360	>2625/2360
Sensor area	3-8 meters or about 10-26 feet						
Sensor angle	140 degree						
Light on Duration	Default setting is 30 seconds. Various settings are available, factory pre-set.						
Reaction time	0.5 seconds						
Working voltage	AC85-277V or MV (multivolt)						
Beam Spread	160 degree/clear tube 160 degree/frosted tube						
CRI	>80 Ra						
Color Temps.	3000-7500K (Warm White/Neutral White/Cool White/Pure White/Daylight)						
Power factor	>0.92						
Lifespan	30,000+ Hours						
Material	AL (Aluminum for best heat dissipation) +PC						
Working Temp.	-20~+60°C						