

## 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 15-20%. 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?

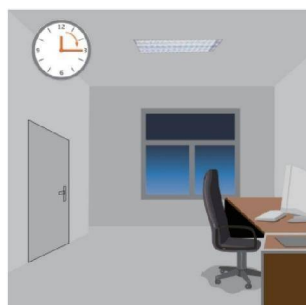
This LED tube is factory set to operate in one of two basic modes:

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

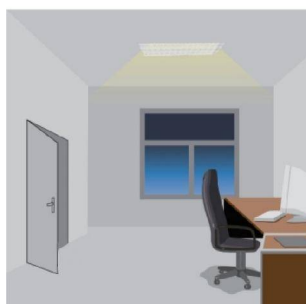
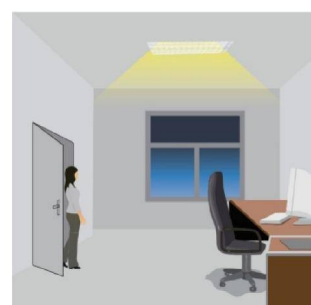
**MODE 2:** When there is no activity, there is 15-20% light output.

**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 for safety reasons some light is desired, or where seeing no light for 1-2 seconds might be too intimidating, tubes can be set to provide 15-20% light output all the time. When someone or something enters the area, the sensor detects activity, triggering the lamp to come to 100% or full light output. This option provides optimal safety.



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. \* = Tubes soon to be available.**

Order Code Example	L4-18T8LEDMVDFR40-S2030 = 4FT-18W-T8-LED-MV-DIMM-Frosted-40K-Mode 2 @ 20%						
Length 2-6 feet	600mm	1200mm	1200mm	1200mm	1500mm	1500mm	1800mm
Activity wattage ± 10%	10W	15W	18W	20W**	23W**	25W**	28W**
No activity wattage ± 10% (adjustable)	1.5-2W	2.25-3W	2.7-3.6W	3-4W	3.5-4.6W	3.75-5W	3.75-5W
LED qty (Epistar SMD3528)	120pcs	240pcs	270pcs	300pcs	300pcs	390pcs	390pcs
Lumens ±10% (clear/frosted)	>1050/950	>1575/1420	>1890/1700	>2100/1890	>2410/2170	>2625/2360	2950/2650
Sensor area	3-8 meters or about 10-26 feet						
Sensor angle	140 degrees						
Light on Duration	Default setting is 30 seconds, factory pre-set.						
Reaction time	0.5 seconds						
Working voltage	AC100-277V or MV (multivolt)						
Lighting angle	120 degree/clear tube 140 degree/frosted tube						
CRI	>83Ra						
Kelvin Temps.	3000-7500K (Warm White/Neutral White/Cool White/Pure White/Daylight)						
Power factor	>0.92						
Lifespan	50,000+ Hours						
Material	AL (Aluminum for best heat dissipation) +PC						
Warranty - 5 years*	* This LED LEADER warranty is a limited, pro-rated warranty. The standard driver is good for 100-277VAC direct line voltage install applications. If the voltage falls outside of the stated parameters, this can affect the life of the driver, and hence the life and performance of the lamp. For voltage needs above this range, we do offer a product that is effective up to 347 volts. See your local sales representative for more information. ** Availability expected 2-3Q 2016.						