

FVT Vaportight Linear LED



Product Description

The FVT Vaportight series was designed to withstand rugged environments exposed to wet, damp, and cold conditions. Additionally, the FVT series is ideal for areas exposed to high levels of dust and airborne particles. Applications range from general canopy lighting to hospital, school, workshop, industrial facilities, warehousing, and other applications requiring vaportight operation without sacrificing performance. For applications requiring specific performance guidelines such as stairwell and parking, settings are easily updated via dipswitch.

With features including a continuous poured gasket and standard stainless steel lens clamps, the FVT meets and exceeds durability standards.

Control options for the FVT include an MSSD microwave step-dimming / daylight-harvesting occupancy sensor with dipswitch programming and optional handheld remote, further increasing safety, energy savings and rebate eligibility.

Sensor ships with factory default settings.



Features and Benefits

- Rugged UV stabilized housing
- 1/2"-3/4" Knockouts on each end and top
- Continuous poured gasket ensures IP65-rated seal
- Impact-resistant frosted polycarbonate lens
- For corrosion-resistant applications, consult factory for white acetel clips
- Up to 15 units can be linked (hardwired)
- Factory-installed emergency pack option/IP65-rated test button
- 10kVA Surge protection standard
- L70 100K hours
- 0-10V Dimming
- 5 Year warranty
- Operating temperature -40°F to 122°F (-40°C to 50°C)

Mounting

- Surface Mounting standard
- Suspension Kit available*

*Consult factory for custom lengths

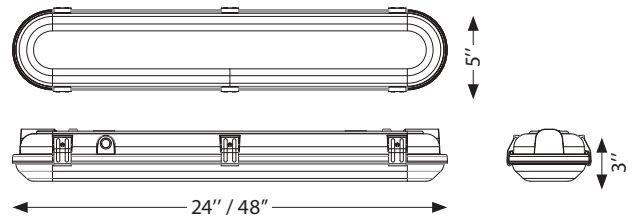
Construction

- Continuous poured gasket
- High impact polycarbonate lens
- Rugged UV stabilized housing

Listings

- UL Wet Location
- UL 1598 / 8750
- DLC Premium with integral controls for best rebate

Dimensions



MSSD Programmable Sensor Features

- Occupancy and Daylight threshold
- Programmable standby and hold time period
- Always-on setting (stairwell, passageway, and parking garage)
- Standby dimming level
- Optional remote control with memory function
- See factory defaults on page 3
- Up to 20' mounting height (low bay) or 40' (high bay). (Consult factory for higher mounting.)
- Detection range up to 65 feet

FVT Series Product Ordering Guide Example: FVT4-36W-50K-MSSD-L

EM8

FVT				
Series	Watts	CCT	Dimming - Controls	Lens
FVT2 (2')	25W	30K (3000K) 40K (4000K)	(0-10v Dimming) STD MSSD-L (Low bay occupancy sensor)	(Frosted polycarbonate lens) STD
FVT4 (4')	36W 54W 73W	50K (5000K)	MSSD-H (High bay occupancy sensor)	

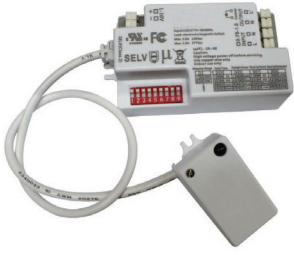
Emergency	Options
EM8 (8W) Consult factory for higher wattages. Factory installed emergency options include external IP65-rated test button.	SUK (5' Suspension Kit) Consult factory for custom lengths MSSD-RC (Remote Control - order as separate line item)

FVT Series Performance Summary

	FVT2 - 25W	FVT4 - 36W	FVT4 - 54W	FVT4 - 73W
Efficacy lm/W @ 5000K	136 lm/W	136 lm/W	136 lm/W	133 lm/W
Wattage	26W	36W	56W	74W
Lumens @ 3000K	3115	4816.7	7329.8	9549.6
Lumens @ 4000K	3298	5116.8	7849.6	10,035
Lumens @ 5000K	3242	4974.7	7622.8	9827
CRI	83.3	83.2	84.1	84.6
THD @ 120VAC	15.88 %	9.56 %	9.12 %	6.12
Color Temperatures	3000K / 4000K / 5000K			
Input Voltage Options	120-277VAC			
Qualifications	Stairwell & Passageway Luminaires / Continuous below 10 & Integral controls			
Power Factor	.897	.954	.98	.992
L70)	100,000			
Ambient Working Temp	-40°F to 122°F (-40°C to 50°C)			
Dimensions	24" x 5" x 3"		48" x 5" x 3"	
Total Weight	3.5 lbs		5 lbs	
Limited Warranty	5 Yrs.			

Values are nominal

MSSD Microwave Motion Sensor



The MSSD provides reliable operation and excellent energy savings. With motion sensing as well as daylight harvesting, the FVT can be configured to remain unlit when light settings meet a specified value.

When activated, during the standby period, the unit can be dimmed to 50%, 30%, 20%, or 10%. After the standby period, the fixture will turn off.

Consult factory for specific stairwell and parking garage sensor settings per your application requirements.

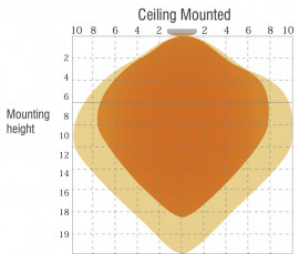
MSSD-RC Remote



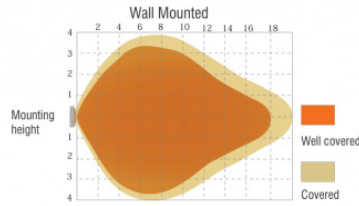
Note: the MSSD-RC controls the functions and values shown under "Dip Switch Settings" only.

The MSSD-RC Hand-Held Infrared line-of-sight remote provides easy and wireless sensor programming and features a memory function for rapid programming

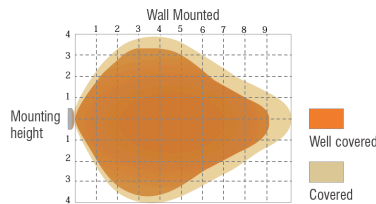
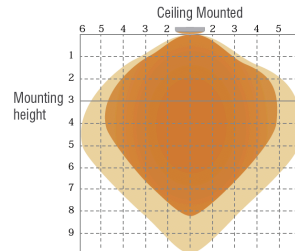
Detection Pattern Diagrams shown in meters.



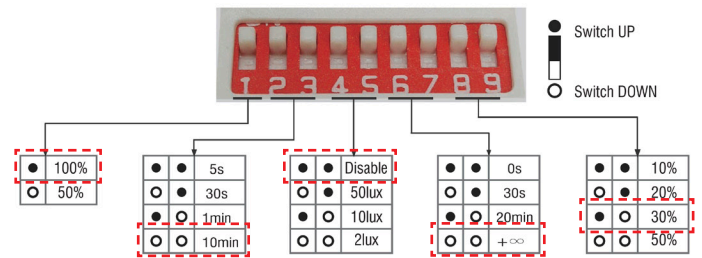
High Bay Sensor (Up to 50' Height)



Low Bay Sensor (Up to 20' Height)



Dip Switch Settings



Detection Area

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as strong sensitivity.

Hold Time

The period of light at 100% brightness after moving objects leave the detection area.

Daylight Threshold

Defines ambient brightness; when the ambient brightness is lower than the preset lux amount, the sensor will activate; when set to "Disable", the sensor triggers regardless of the ambient brightness.

Stand-by Period

The duration of light at low output level before it's completely switched off.

When set to +∞, brightness remains at low output level without shutting off.

Stand-by Dimming Level

Defines low output level in the standby period.

Factory Default Settings indicated by dashed boxes

These settings are typically used for applications such as stairwell and parking garage in which some level of light is required at all times.