



# Maxim3™ Series

PROJECT NAME: \_\_\_\_\_

CATALOG: \_\_\_\_\_

NOTES: \_\_\_\_\_

## LED Vapor Tight - Waterproof

### Key Features

DLC 4.3 Premium

Up to 146 LPW

IP66

CRI 87

UL

4', 5' & 8'

4000K & 5000K

110-277V

NSF

Stainless Steel Clips

Operating Temp -40°F to 105°F

5 Year Warranty



IP66



### DESCRIPTION

The Maxim3™ Series Vapor Tight luminaire is a generation 3 product that meets the latest DLC 4.3 technical requirements and at the same time is a best in class solution. Offering industry leading sizes of 4', 5' and our new 8', this family of products is a complete solution for all your waterproof linear lighting needs. Product is NSF rated and can be installed in all food environments. These IP66-rated fixtures are designed to replace less-efficient fluorescent strip lights in parking garages, food service/processing, car wash operations, refrigerated spaces, airports, tunnels, maintenance areas and stairwells. Easy to install adding further savings. Rebates available under Low-Bay/High-Bay lighting categories offered by participating utility companies. Optional integrated motion sensor available.

### CONSTRUCTION

UV-stabilized, injection-molded, impact-resistant, polycarbonate housing. Aluminum sheet metal board plate for optimized thermal conduction and structure support. Stainless steel clips for more durability while exposes in tougher environments. Optical design allows for up light.

### OPTICS

UV-stabilized, injection-molded, impact-resistant, clear transparent and frosted polycarbonate lens with symmetrical optical control for broad light distribution.

### ELECTRICAL

Utilizes high-efficiency LEDs mounted to core circuit boards. 5000 Kelvin temperature standard, with additional color temperatures also available. High efficiency driver operates 100V through 277V, 50-60HZ. Integral surge protection standard and tested in accordance with IEEE/ANSI C62.41.2 to Category C. 0-10V dimming standard.

### INSTALLATION

Stainless steel surface mounting brackets standard (2 included). A variety of stainless steel mounting options also available: J-box mounting and mounting brackets for suspension with aircraft cable (cable not included). Optional stainless steel V-hooks available for chain hanging (chain not included). Conduit entry at each end and on the top of the fixture.



## 4 & 5 FOOT ORDERING LOGIC

Example: MVT-50-65-F-X-V1

Fixture Type	CCT	Wattage	Cover	Battery Option	Voltage	(Optional) Motion Sensor
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MVT Maxim Vapor Tight	40K 4000K 50K 5000K	25 25W 40 40W 65 65W	C Clear F Frosted	X Normal F Emergency Battery	V1 100-277V V2 347-480V	N/A No Sensor M Integrated

## 4 FOOT LED PREMIUM OPERATING SPECIFICATIONS

Catalog Number	Length	DLC	Model Number	Wattage (Watts)	Dimensions (L x W x H)	Input Voltage (Volts)	Color Temp (Kelvin)	Optical	Lumens	LPW	CRI	Net Weight (lbs.)
35161	4-foot	Pending	MVT-40-25-F-X-V1	25	45.7" x 4.7" x 4.3"	100-277	4000	Frosted	3350	134	>80	2.2
35171	4-foot	Pending	MVT-50-25-F-X-V1	25	45.7" x 4.7" x 4.3"	100-277	5000	Frosted	3350	134	>80	2.2
35201	4-foot	4.3 Premium	MVT-40-40-C-X-V1	40	45.7" x 4.7" x 4.3"	100-277	4000	Clear	5800	145	>80	2.2
35211	4-foot	4.3 Premium	MVT-40-40-F-X-V1	40	45.7" x 4.7" x 4.3"	100-277	4000	Frosted	5200	130	>80	2.2
35221	4-foot	4.3 Premium	MVT-50-40-C-X-V1	40	45.7" x 4.7" x 4.3"	100-277	5000	Clear	5800	145	>80	2.2
35231	4-foot	4.3 Premium	MVT-50-40-F-X-V1	40	45.7" x 4.7" x 4.3"	100-277	5000	Frosted	5200	130	>80	2.2

## 5 FOOT LED PREMIUM OPERATING SPECIFICATIONS

Catalog Number	Length	DLC	Model Number	Wattage (Watts)	Dimensions (L x W x H)	Input Voltage (Volts)	Color Temp (Kelvin)	Optical	Lumens	LPW	CRI	Net Weight (lbs.)
35501	5-foot	4.3 Premium	MVT-40-65-C-X-V1	65	61.4" x 4.7" x 4.3"	100-277	4000	Clear	9490	146	>80	3.1
35511	5-foot	4.3 Premium	MVT-40-65-F-X-V1	65	61.4" x 4.7" x 4.3"	100-277	4000	Frosted	8450	130	>80	3.1
35521	5-foot	4.3 Premium	MVT-50-65-C-X-V1	65	61.4" x 4.7" x 4.3"	100-277	5000	Clear	9490	146	>80	3.1
35531	5-foot	4.3 Premium	MVT-50-65-F-X-V1	65	61.4" x 4.7" x 4.3"	100-277	5000	Frosted	8450	130	>80	3.1

each model: PF↑.95 THD↓10% Operatin Temp -40°F to 105°F  
5% variation on published numbers

## 8 FOOT ORDERING LOGIC

Example: MVT-8-50K-150W-F

Fixture Type	Length	CCT	Wattage	Cover	(Optional) Motion Sensor	(Optional) Battery Option
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MVT Maxim Vapor Tight	8 8 Foot	40K 4000K 50K 5000K	80 80W 100 100W 120 120W 150 150W	C Clear F Frosted	N/A No Sensor M V1-Integrated	X Normal F Emergency Battery

## 8 FOOT LED PREMIUM OPERATING SPECIFICATIONS

Catalog Number	Length	DLC	Model Number	Wattage (Watts)	Dimensions (L x W x H)	Input Voltage (Volts)	Color Temp (Kelvin)	Optical	Lumens	LPW	CRI	Net Weight (lbs.)
34803	8-foot	4.3 Premium	MVT-8-40K-80W-F	80	99" x 6" x 4"	100-277	4000	Frosted	10480	131	82	19.8
34804	8-foot	4.3 Premium	MVT-8-50K-80W-F	80	99" x 6" x 4"	100-277	5000	Frosted	10560	132	82	19.8
34813	8-foot	4.3 Premium	MVT-8-40K-100W-F	100	99" x 6" x 4"	100-277	4000	Frosted	13000	130	82	19.8
34814	8-foot	4.3 Premium	MVT-8-50K-100W-F	100	99" x 6" x 4"	100-277	5000	Frosted	13100	131	82	19.8
34823	8-foot	4.3 Premium	MVT-8-40W-120W-F	120	99" x 6" x 4"	100-277	4000	Frosted	15600	130	82	19.8
34824	8-foot	4.3 Premium	MVT-8-50K-120W-F	120	99" x 6" x 4"	100-277	5000	Frosted	15840	132	82	19.8
34834	8-foot	4.3 Premium	MVT-8-50K-150W-F	150	99" x 6" x 4"	100-277	5000	Frosted	19800	132	82	19.8

each model: PF↑.95 THD↓10% Operatin Temp -40°F to 105°F  
5% variation on published numbers

## PACKAGING SPECIFICATIONS

Fixture Length	Single Package Size (L x W x H)	Single Package Gross Weight (lbs.)	Qty. per CTN (PCS)	Carton Size (L x W x H)	Carton Gross Weight (lbs.)	Qty. per Pallet (PCS)	Pallet Size (L x W x H)	Pallet Gross Weight (lbs.)
4-foot	47.4" x 4.75" x 4.5"	5.4	4	49.5" x 9.5" x 10.5"	27	64	49.5" x 38" x 45.5"	482
5-foot	63.2" x 4.75" x 4.5"	7.3	4	63" x 9.6" x 10"	32	64	63" x 40.5" x 43"	572
8-foot	101" x 7" x 5"	20	1	101" x 7" x 5"	20	54	101" x 43" x 49"	1180



## TOP AND END ENTRY



Top Entry

End Entry



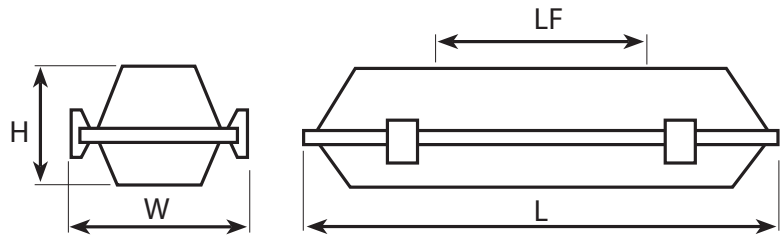
Stainless Steel Clips

## DIMENSIONS

4' - 45.7" x 4.7" x 4.3"

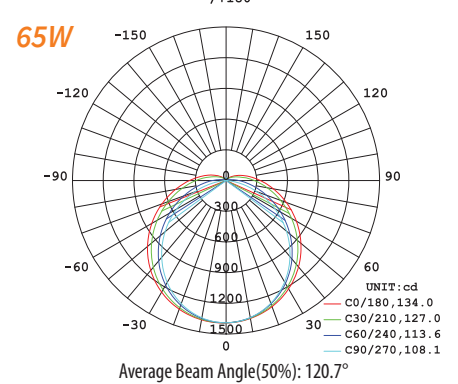
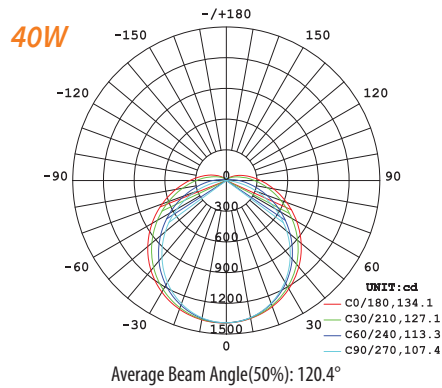
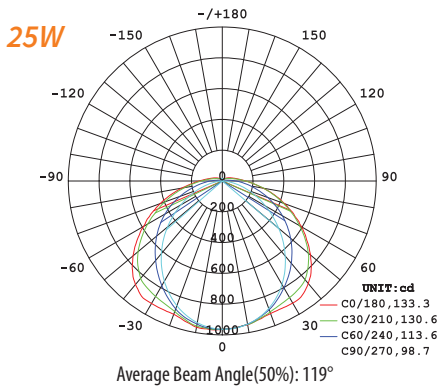
5' - 61.4" x 4.7" x 4.3"

8' - 99" x 6" x 4"



## OPTICS

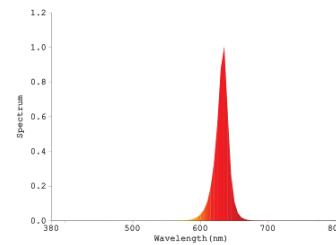
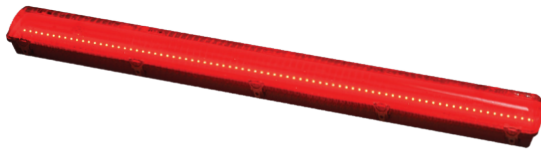
### Luminous Intensity Distribution Curve



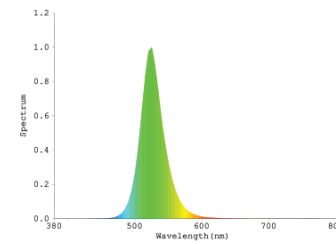
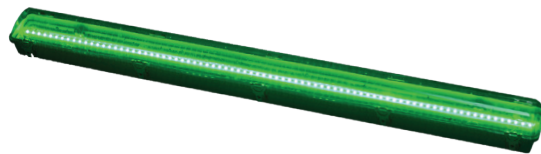
# Maxim™ Specialty Series

- Maxim Specialty Series offers 3 colors with specific wavelengths
- Product is dimmable, IP66 (water proof) and NSF rated 

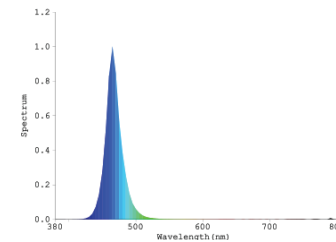
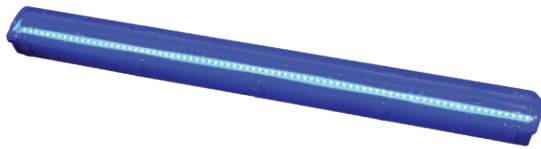
## RED 620 nanometers



## GREEN 525 nanometers



## BLUE 465 nanometers



Catalog Number	Length	Model Number	Wattage (Watts)	Dimensions (L x W x H)	Input Voltage (Volts)	Wavelength (Nanometers)	Optical	Net Weight (lbs.)	1-10V Dimmable
3400R	4-foot	MVT-48W-C-R	24	45.7" x 4.7" x 4.3"	120-277	620	Clear	4.8	Yes
3400G	4-foot	MVT-48W-C-G	38	45.7" x 4.7" x 4.3"	120-277	525	Clear	4.8	Yes
3400B	4-foot	MVT-48W-C-B	38	45.7" x 4.7" x 4.3"	120-277	465	Clear	4.8	Yes

each model: PF↑.95 THD↓10% Operating Temp -40°F to 105°F  
5% variation on published numbers

Please send orders to:  
Email: [order@vm5lighting.com](mailto:order@vm5lighting.com)

We reserve the right to change our spec sheets at any time.



## SENSOR INFORMATION

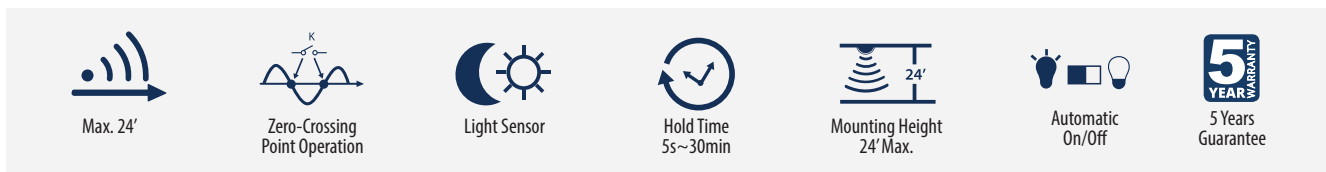


- Automatic switching based on motion and light level.
- Zero-crossing point operation helps protect the sensor against in-rush current.
- Compact size makes it suitable to fix within most luminaires.
- 4-pole press-in terminal (L, N, N, L'), easy assembly.
- Detection area, time delay and daylight threshold can be precisely set via DIP switch.

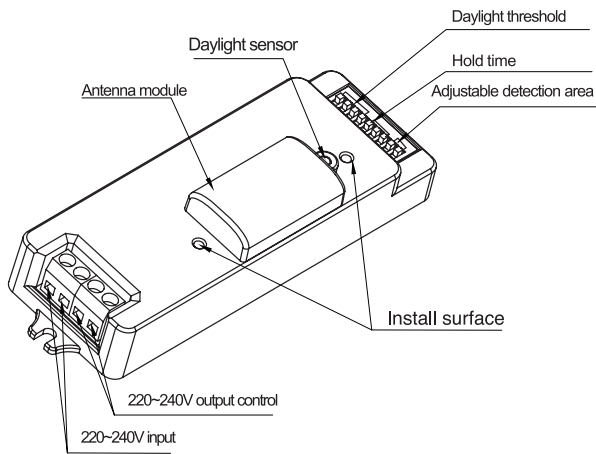
MC0245 is an innovative and active motion detector with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials.

The sensor supplies a simple energy-saving solution to use light only when and where you need it. It automatically switches on/off light based on motion and ambient light level. Can control all kinds of lamps, for example, halogen, fluorescent and LED lights. Compact size and small casing, suitable to fix within most luminaires. 4-pole press-in terminal (L, N, N, L'), very easy to install.

The high quality relay is particularly suitable for commercial use with switching power up to 400W for LEDs and fluorescent lamps and up to 800W for incandescent lamps.

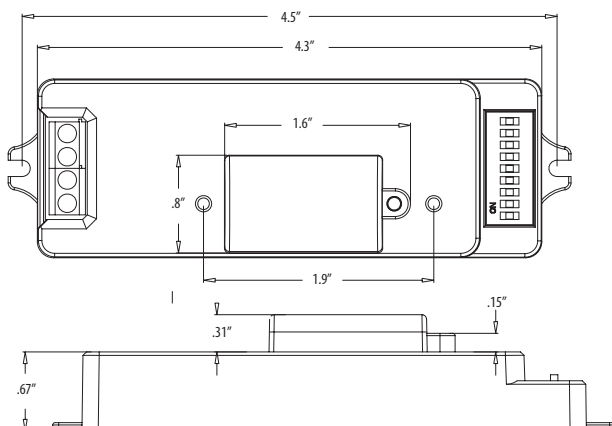


## INFORMATION

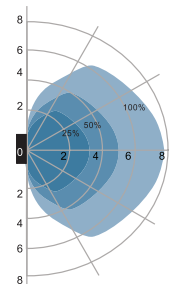


<b>Operating voltage</b>	120~277Vac, 50/60Hz
<b>Rated load</b>	120V AC:200W(inductive), 400W (resistive), 220-240V AC:
<b>HF system</b>	5.8GHz±75MHz, ISM wave band
<b>Transmitting power</b>	<0.5mW
<b>Power consumption</b>	≤0.5W(standby), <1W(operation)
<b>Detection zone</b>	Max.(D x H): 10m x 6m
<b>Detection sensitivity</b>	25% / 50% / 100%
<b>Hold time</b>	5s / 1min / 5min / 15min / 30min
<b>Daylight sensor</b>	5lux / 10lux / 20lux / 30lux / 50lux / Disable
<b>Mounting height</b>	8m Max.
<b>Motion detection</b>	0.5~3m/s
<b>Detection angle</b>	150°(wall installation) 360°(ceiling installation)
<b>Operating temperature</b>	-20°C~50°C
<b>IP rating</b>	IP20

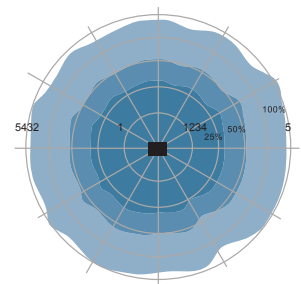
## DIMENSIONS



## DETECTION PATTERN



Wall mounting pattern (Unit: m)  
Suggested installation height: 1-1.8m



Ceiling mounting pattern (Unit: m)  
Suggested installation height: 2.5-6m