LAMARLED

occu-smart® S³ simple sensor solutions

The Voyager series is part of our Occu-Smart® S³ product line. Equipped with an integral ultrasonic motion sensor, the VOL Gen6 features bi-level operation with adjustable standby light levels and time delay and optional Multi-Color tuning. With optional Bluetooth programming, there is no need to open the fixture for light level adjustment! All that's needed is an IOS or Android device and free companion app!

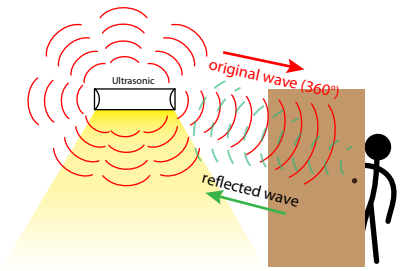
VOL Gen6 Voyager series with ultrasonic motion sensor

Optional Bluetooth Programming and/or Multi-Color Tuning ! -





Optional Field adjustable CCT (Multi-Color Tuning) Choice of 3000K, 3500K or 4000K
Note: Each board must be switched individually



Ultrasonic motion sensors are ideal for stairwells and corridors where 360° coverage can detect motion beyond the line of sight around barriers such as staircases, workspace partitions, shelves and other obstacles in the area

Features and Specifications:

Construction:
- Direct setting of sensitivity and time delay using the switches on the sensor, adjustable high and low light levels through the app w/optional Bluetooth
- Durable steel housing and injection molded end caps
- Efficient LED formula impact resistant diffuser, smooth exterior for easy cleaning, retained by captive ends
- Dedicated CCT (3000K-5000K) standard, optional user selectable Multi-Color Tuning via dipswitch on LED board array - choice of 3000K, 3500K or 4000K available

Size Options:
- Available in 1', 2',4'and 6' lengths (nominal)

Sensor:
- Highly sensitive ultrasonic motion sensor detects motion outside direct line of sight
- Easy setup with 5 minute walk test mode
- Adjustable sensitivity and time delay of 1, 5 or 20 minutes
- User selectable standby options 5, 10, 25 or 50% nominal light output
- Optional Bluetooth version can be adjusted to any non-listed value via app

Listing & Ratings:
- UL Certified, ADA compliant, DLC Listed (2' and 4' MCT models)
- Union made in the USA

Mounting Options:
- Surface mount on ceiling or wall or rigid stem mount (by others)

Driver:
- Universal voltage 120-277V standard
- Optional emergency backup available including "UL924" approved

Warranty:
- 5 years - part replacement only (see our terms & conditions page at www.lamarled.com for details)

Additional Information:
- See page 2 for lumen chart & dimensions
- See page 3 for sensor info, application notes & APP QR code

Ordering Guide / Example **VOL48AFAMCT-AS-BT or VOL48AFA40-AS-BT or VOL48MFA40-AS**

VOL			FA				
Series	Size	Power	Lens Options	CCT	Standby Options	Bluetooth	General Options
VOL = Voyager Gen6	**12** = 1′ nominal **24** = 2′ nominal **48** = 4′ nominal **72** = 6′ nominal	**L** = Low **M** = Medium **H** = High **A** = Adjustable power, user selectable output power via smartphone app **BT** or **BTM** models **only** See chart on back	**FA** = Frosted linear ribbed polycarbonate	**30** = 3000K **35** = 3500K **40** = 4000K **50** = 5000K **MCT** = User Selectable: 3000K, 3500K, 4000K (**MCT DLC Listed, 2' and 4' only**)	**AS** = User selectable standby options 5, 10, 25 or 50% light output **FO** = Dim to off (dark)	**BT** = Bluetooth (optional) **BTM** = Bluetooth mesh (optional)	**EM** = Emergency pack 90 min., min 500 lumens **EMH** = High lumen emergency pack 90 min., min 1400 lumens **EMB** = BABA Compliant Emergency Pack 90 min., min 500 lumens **EM9** = "UL924" approved as Emergency Lighting Equipment (2' and 4' only) **ESRU** = 120V/277V emergency shunt relay

Consult factory for additional options not shown or listed

Correlated Color Temperatures (CCTs) fall within the nominal range as per ANSI C78.377A

Project Information:

Job Name: _____ Fixture Type: _____

Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:

Multi-Color Tuning 3000K 3500K 4000K · UL CERTIFIED · 120-277V Universal · CRI 80+ · DLC LISTED · UNION MADE IN THE USA · RoHS COMPLIANT · 5 YEAR WARRANTY

LaMar LED 1150 Motor Pkwy, Central Islip, NY 11722 | tel 631.777.7700 fax 516.333.7695 | www.lamarled.com

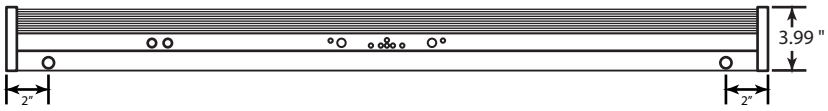
Specifications subject to change without notice - Rev 0526

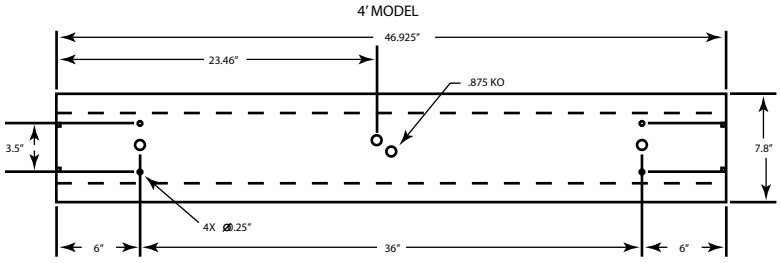
LAMARLED VOL Gen6

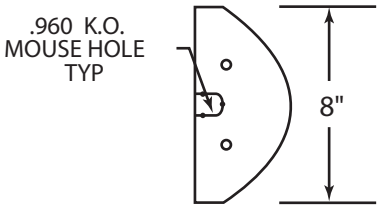
Voyager series with ultrasonic motion sensor

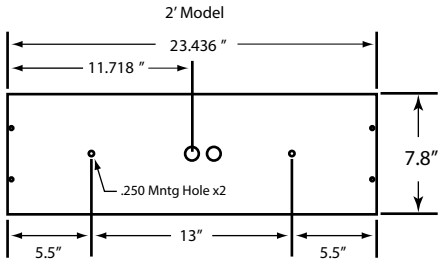
BEFORE INSTALLATION, PLEASE CONSULT YOUR LOCAL ORDINANCES AND BUILDING CODES FOR COMPLIANCE

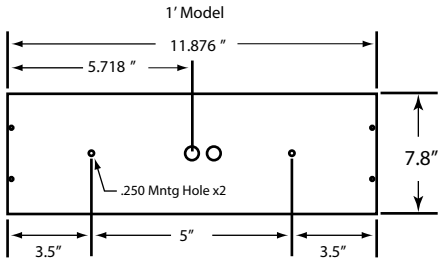
Dimensions











LED Wattage Chart

Wattages shown are nominal and subject to industry tolerances

	1' and 2' VOYAGER			4' VOYAGER		
Full Lumens 3000K	LOW (57%)	MED (78%)	HIGH (100%)	LOW (57%)	MED (78%)	HIGH (100%)
	1354	1853	2376	2876	3936	5046
Full Power	12.5W	17.2W	22W	24W	32.4W	41.6W
50% DIM	6.3W	8.6W	11W	12W	16.2W	20.8W
25% DIM	3.2W	4.3W	5.5W	6W	8.1W	10.4W
10% DIM	3W	3.8W	4W	4.5W	5W	5W
5% DIM	2.5W	3W	3W	4W	4.2W	4.4W

Approx Lumen Multiplier	
3000K	Shown
3500K	1.02
4000K	1.05
5000K	1.06



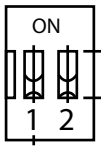
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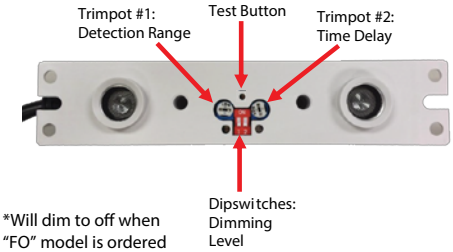
LAMARLED VOL Gen6

Voyager series with ultrasonic motion sensor

Sensor



Dipswitch 1	Dipswitch 2	DIM Level
OFF	OFF	5% or OFF*
OFF	ON	10%
ON	OFF	25%
ON	ON	50%



*Will dim to off when "FO" model is ordered

Trimpots

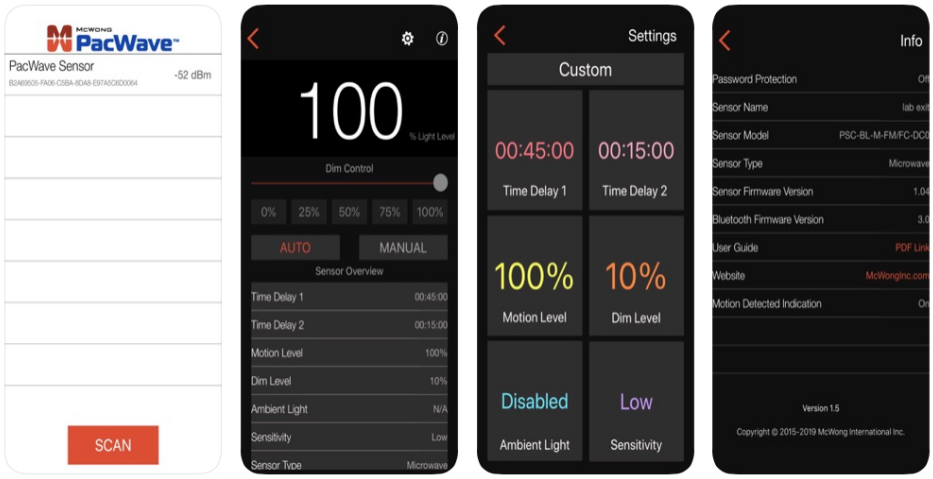
Trimpot #1 on left adjusts motion detection range and sensitivity. Trimpot #2 on right adjusts time delay. Turn clockwise to increase, turn counter-clockwise to decrease.

Test button sets the time delay to 5 seconds and runs for 5 minutes. LED ˆashes 2 times t o indicate Test Mode has started. After 5 minutes (or pushing the Test Mode button again), LED ˆashes 3 times , the sensor returns to the selected Trimpot time delay setting.

App Download

Scan for iPhone App

Scan for Android App



The PacWave™ Sensor mobile application complements your Bluetooth® Smart enabled PacWave™ Ultrasonic, Microwave, and PIR bi-level occupancy sensors by providing a simple user interface to configure the sensor's settings beyond what the physical controls can offer, view real-time feedback from the sensor, and control your lighting.

Application Notes

† Casambi® Bluetooth mesh feature creates a mesh network whereby fixtures can be programmed to trigger other fixtures on the network (consult factory for details)

Units with emergency battery are U.L. listed when equipped with specific optional battery back-up and meet requirements of the life safety code/NFPA101, NEC/OSHA and most state and local codes

For applications with backup generators requiring that connected bi-level lighting to be switched to full light output during power outages regardless of occupancy, we recommend our VOL Gen5 series with emergency shunt relay (ESRU)

For safety and compliance purposes in areas designated as emergency egress, we recommend choosing a standby light level that will provide minimum code compliant light levels while in the standby mode (in most municipalities, this is 1 FC average)

occu-smart®

Occu-smart bi-level LED lighting complies with ashrae 90.1-2010 and meets the requirements of NYC Local Law 47

LAMAR LED assumes no responsibility for misapplication of fixtures
Due to the rapid advancements in LED technology, please consult our website for the most current technical data.

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