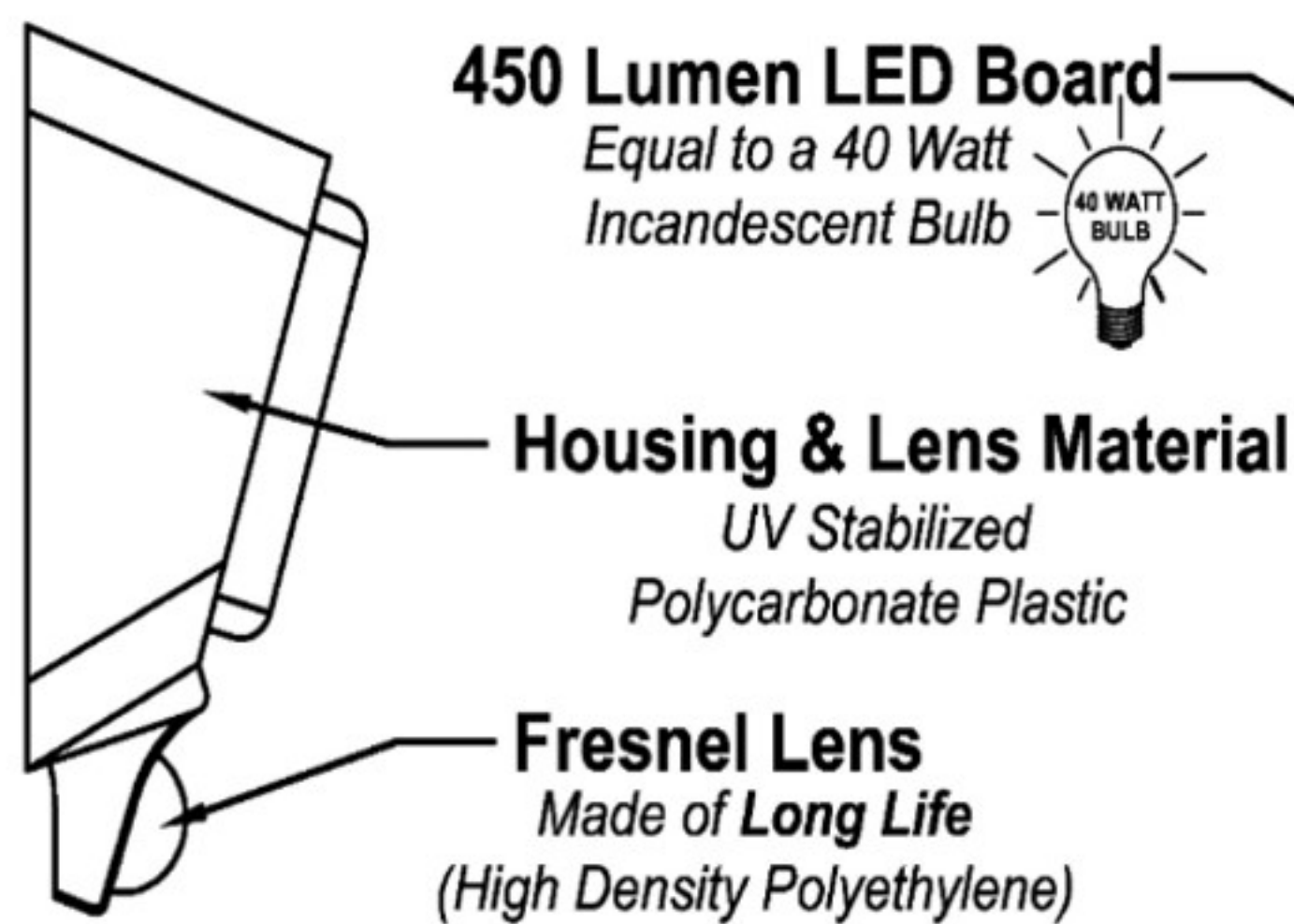




MG1000-450™



**450 Lumen LED Board**

Equal to a 40 Watt Incandescent Bulb

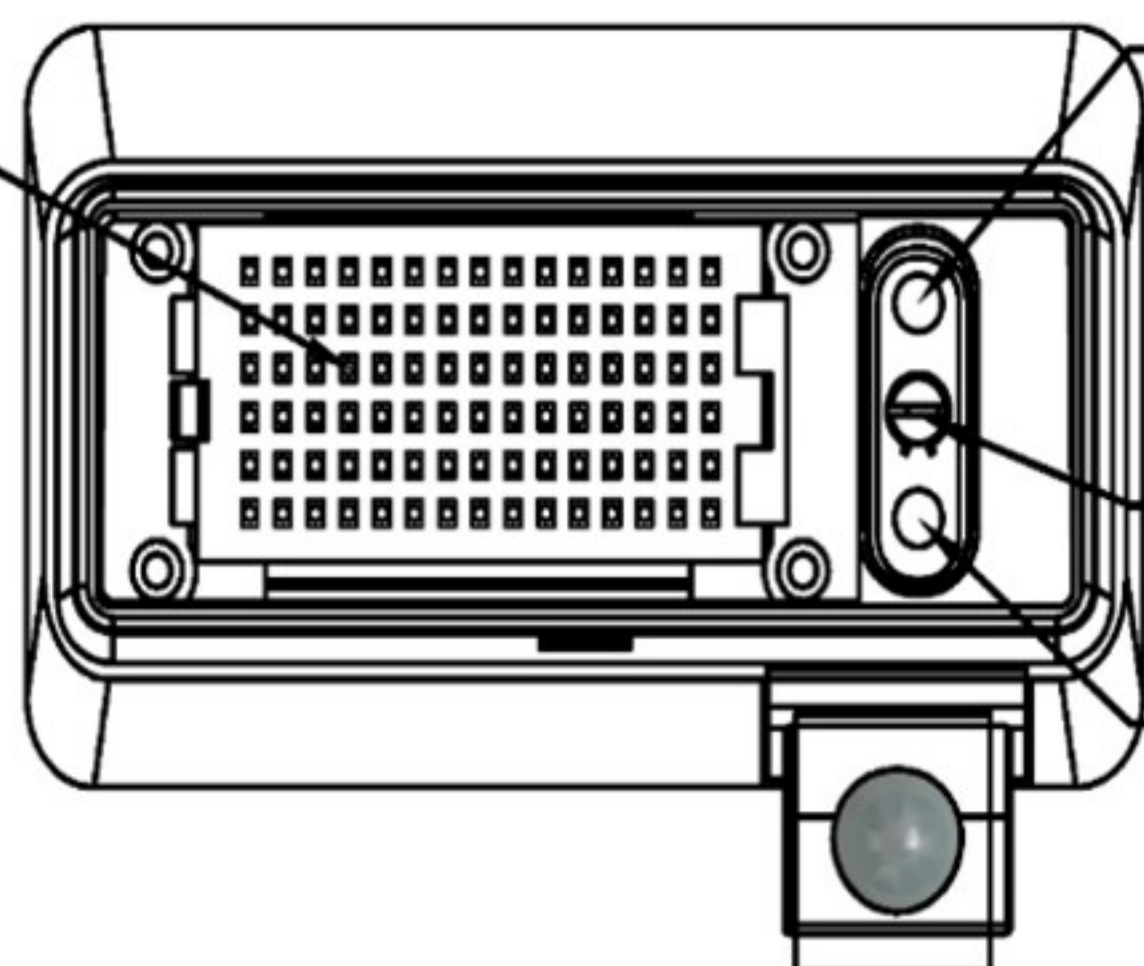


**Housing & Lens Material**

UV Stabilized Polycarbonate Plastic

**Fresnel Lens**

Made of Long Life (High Density Polyethylene)



**Operational Mode Multi-Colored LED**

BLUE --- Armed [Daytime mode]

GREEN - Armed [Nighttime sensor mode]

RED ----- Low Battery [at or below 11.5 volts]

**Adjustable Motion Detection Dial**

Adjustment up to 35 feet

**Photo Cell**

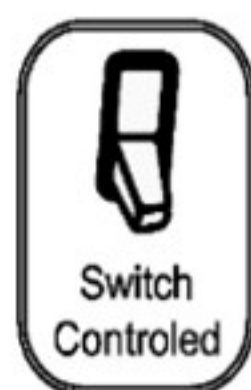
## INSTALLATION & SAFETY INSTRUCTIONS

- Disconnect battery before installing or replacing the **Motion-Guard** motion light.
- This product must be installed in accordance with any state and national codes by a person familiar with the operation of the product and the hazards involved.
- This motion sensor product is designed to be used with 12 Volt DC Power only.
- Any modifications to this fixture may result in a hazard and will VOID the warranty.
- Do not attempt to open the back housing as there are no serviceable parts inside and doing so **WILL VOID** the warranty.
- Please read all the **Motion-Guard** MG1000-450 instructions before proceeding with the installation of this fixture.

## INSTALLATION of the Motion-Guard MG1000-450

1. Remove the old lighting fixture and clean the area of all old sealer, dirt, oil etc.
2. Attach the **Black wire (+)** and the **White wire (-)** on the **Motion-Guard** fixture to the Positive and Negative wires coming out of the wall of the RV.
3. TESTING - At this point before the fixture becomes permanently attached to the motor coach it should be tested, please follow the instructions below;

**NOTE**, the fixture is toggled between "PORCH LIGHT MODE" and "AUTO SENSOR MODE" by the wall switch. Turn "ON" the Switch and note which mode it activates in and toggle to the next mode and back again using the wall switch. Do the testing with the Shore Power unplugged.



- a. "Porch Light Mode" is when the main 450LM light is on,
- b. "Auto Sensor Mode" is when the main 450LM light is off and the Blue LED is Blinking.

Once the **Motion-Guard** MG1000-450 fixture passes this test it is ready to attach and seal to the side of the motor coach. *Take care to make a good seal between the fixture and the wall is made as moisture could damage the fixture electronics.* Also care should be taken not to handle, damage or spill any sealant on LED board while placing and tightening the screws in the attachment process as this could shorten the LED life cycle.

4. Now that the fixture is mounted, adjust the sensitivity by turning the **Adjustable Motion Detection Dial** [Counter Clockwise to decrease and Clockwise to increase] the area being monitored.
5. Replace the small clear cover seal over the adjustment area.
6. Replace the fixture lens, *taking care to ensure that the embedded seal in the main housing mates to the lens to make a water tight seal.*

## PLEASE NOTE:

The **Motion-Guard** MG1000-450 was design to operate in two modes as follows:

### Mode 1. - Manual Mode

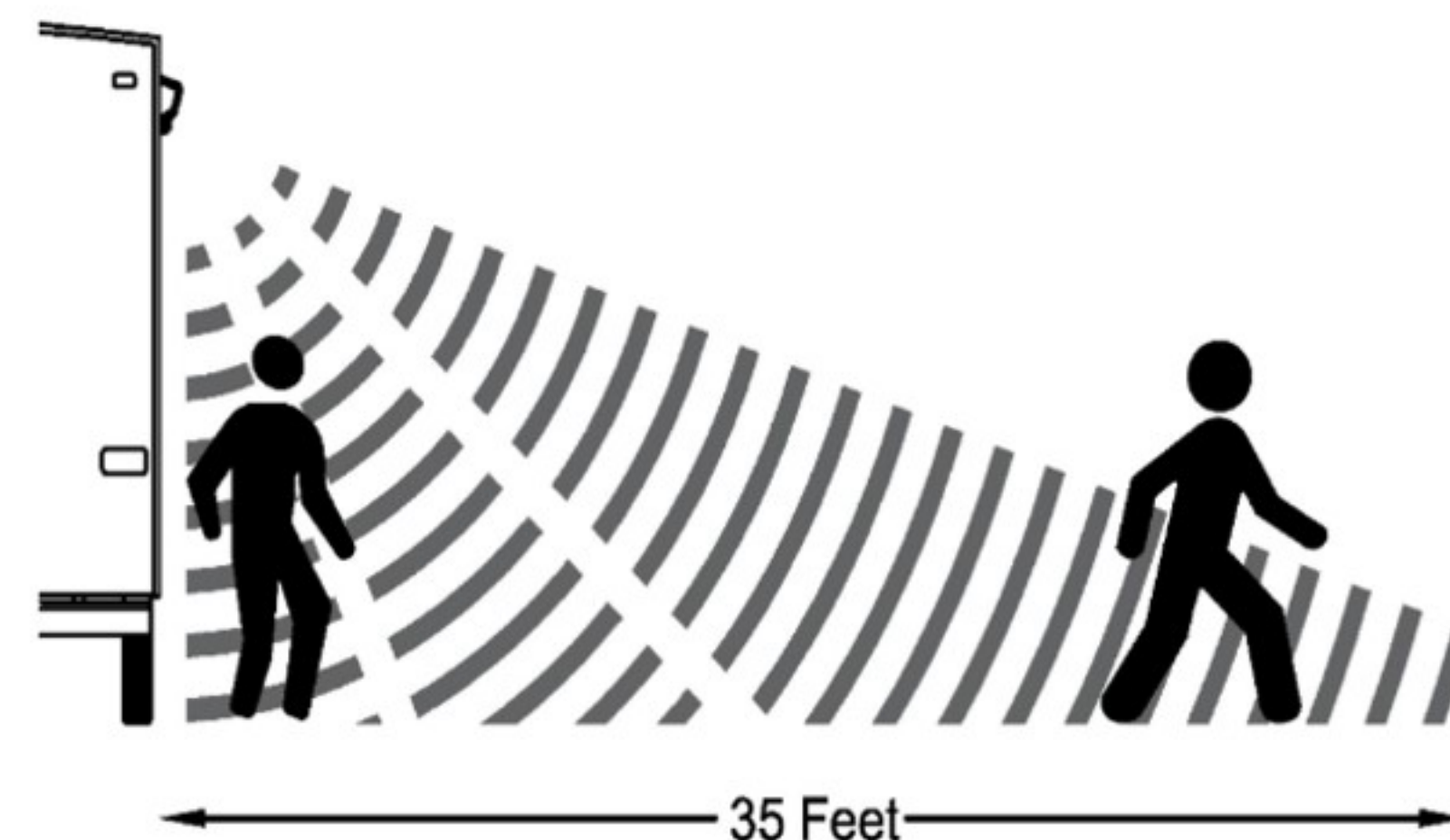
In "Manual Mode" the **MG1000-450** LED Panel will illuminate the patio area and the "INTELA-SENSOR" will will monitor the coach battery and blink RED if the voltage to the fixture goes at or below 11.5 volts for 60 seconds or more to warn of a low battery condition.

### Mode 2. - Auto Sensing Mode

When toggled to the "Auto Sensing Mode" the fixture will first blink blue for 60 seconds to determine if it is day or night. If it is dark enough the fixture will start to to blink Green and monitor the area. If it discovers movement it will activate and once activated it will stay on for as long as there is movement in the sensor field. When that movement stops and no new movement is discovered it will again turn off 60 seconds after the last movement it has detected. While in "Auto Sensing Mode" it will also deactivate at sunrise noting this by *blinking Blue*, and reactivate the sensing mode at sun down, noting this by *blinking Green*.

### INTELA-SENSOR™

This fixture is programmed with the added feature known as "INTELA-SENSOR". This program provides the RV with a battery saving feature that monitors the battery. This feature *will not disable* the "Auto Sensing Mode" but will be helpful in warning of a low battery condition [11.5 volts or below] by Blinking RED in either of the two modes.



The **Motion Guard** MG1000-450 fixture was design from the start to have **VERY LOW EMI INTERFERENCE**.

## LIMITED WARRANTY

This product is warranted free from defects in material and workmanship for a period of one year from date of purchase. If a defect in material or workmanship occurs, contact **RV LED Lites**™ at (623) 328-9873 or email us at [rvledlites@yahoo.com](mailto:rvledlites@yahoo.com) for instructions on how to have the defective product repaired or replaced.

## LIMITATIONS

- This warranty is extended only to the original purchaser or the product.
- This warranty only covers the assembled motion lighting fixture.
- Unauthorized service to, or modification of this product will void the warranty in its entirety.
- A **Purchase Receipt** or other approved **proof of purchase** is required before warranty service is rendered.
- This warranty is expressly in lieu of all other warranties, expressed or implied, including any warranty, representation or condition of merchantability or that the products are fit for any particular purpose or use, and specifically in lieu of all special, indirect, incidental, or consequential damages, including but not limited to, any loss arising out of any breach of this warranty, as allowed by your state or domicile.
- This warranty gives you specific rights and you may also have other rights that vary from state to state.

## NOT COVERED

- Failure of the product as a result of an accident, abuse, negligence, alteration, or faulty installation, or any other failure not relating to faulty material or workmanship.
- Reimbursement for inconvenience, installation, setup, time, loss of use, postage or unauthorized service.

**CALIFORNIA PROPOSITION 65 WARNING:** This product contains chemicals, including lead, known to the State of California to cause cancer & birth defects or other reproductive harm. *Wash hands after use.*

## FACTS

- **Brighter** than any other 12 volt RV Motion Light.
- **EMI-DEPRESSED** unlike others
- The Fresnel Lens - made from
- **High Density Polyethylene (HDPE)**
- Housing & Lens made from - **UV Stabilized Polycarbonate**
- Designed to be easy to install
- Saves the life of the Battery

[www.rvledlites.com](http://www.rvledlites.com)

**RV LED Lites™**

MADE IN CHINA  
RoHS COMPLIANT

**MG1000-450**



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