



IL2W

Installation Guide

Thank you for purchasing the Varad IL2W, dual 1 watt LED lighting system with driver. To ensure proper use please carefully read this installation manual prior to installation.

www.varad.com

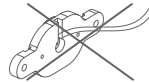
IM-IL2Wv1

Precautions

To prevent fire or shock hazard, do not expose the digital controller to rain or moisture.

To avoid electrical shock, do not open the digital controller. Refer servicing to a factory authorized dealer. Do not attempt to disassemble the LED or damage will occur.

Do not bend the wire away from the bottom of the LED or water may leak into the housing.

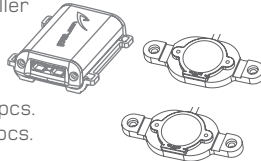


Function

These 1 watt LEDs are designed to create accent lighting for automotive interiors. Applications include, speaker boxes, footwells, amplifier racks, doors and much more...

Parts List

1. IL2WC - Digital Controller
2. Two 1 watt LEDs
3. Mounting bracket
4. Power Harness
5. Self tapping screws, 4pcs.
6. flush mount screws, 2pcs.
7. Tie straps, 4 pcs.



Technical Specifications

Physical Specifications:

Digital controller:

Height - 0.75"

Width - 1.5"

Length - 2.25"

Current Draw - 250ma

LED:

Length: 3", Width: 1.25", Height: 0.55"

Wires:

12' of cable

Electrical Specifications:

Digital controller:

12v - 24v input

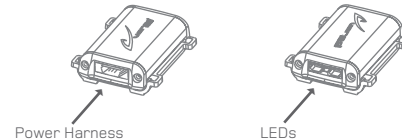
LEDs:

Orange - ALINGAP, 350ma, 180 degree

Red - TS ALINGAP, 350ma, 180 degree

Blue/Green/White - INGAN 350ma, 180 degree

Digital Controller Description



Required tools

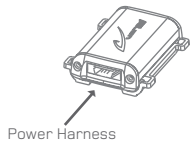
- Wire Stripper
- Wire cutter
- Assorted drill dits
- Cordless drill
- Screwdriver

Installation of LEDs



Visually inspect for a location to mount the LED. The light dispersion pattern will vary depending upon the location of the LED. It is recommended that you power up the LED and move it around to determine the location that provides the best lighting. When you have found a suitable location, begin to install by marking each drilling point and pre-drill each hole with a 1/8" drill bit. Mount the LED with supplied tapping screws. Once again making an effort not to bend the wire away from the bottom of the LED, so no damage should occur.

Installation of the Controller

Install the Digital Controller inside the vehicle. Find a location that will allow all the wires to the LEDs to connect without binding. The location needs to be within 144" of the LED.



Connect wiring harness as indicated below:

- Red wire - Battery Positive, 12v - 24v 
- Black wire - Negative (Ground) 
- Grey wire - refer to installation with SL200 / SL210 or stand alone



When all controllers and LEDs are installed you can proceed to plug all the connectors into the IL2W controller.

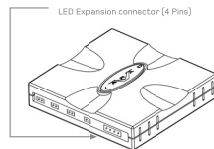
Installation with SL200 / SL210

With the SL200 and SL210 there is an optional LED expansion port and wire harness. If you choose, you can connect the grey ground trigger wire of the IL2W to this expansion connector.

In doing so, this will allow your IL2W to do some of the same intensity control, strobing, breathing and music react modes.

Connect wiring harness as indicated below:




- Red wire - Battery Positive, 12v - 24v 
- Black wire - Negative (Ground) 
- Grey wire - expansion output on the SL200, SL210



Stand alone installation

To install the IL2W in a stand alone application, the grey ground trigger must be attached to a negative ground point.

Connect wiring harness as indicated below:

- Red wire - Battery Positive, 12v - 24v 
- Black wire - Negative (Ground) 
- Grey wire - Negative (Ground) 

Trouble Shooting

System does not turn "ON"

Check to see that the grey wire is grounded or has a good connection to SL200 or SL210 expansion output.

LED does not work

Check to see that the cable between LED and controller is not damaged.

Plug into the other port to verify that it is the LED that is not functioning.

Warranty

Varad's product warranty covers against breakage due to defects in materials or workmanship for one year from the date of purchase. Warranty is only valid with proof of purchase from an authorized Varad dealer. Varad's warranty program does not cover cosmetic damage, damage due to acts of god, accident, misuse, abuse or negligence to the product. Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. Varad shall not be liable for any express or implied warranty on this product. Except to the extent provided by this warranty or prohibited by applicable law, there are no implied nor expressed warranties or merchantability or fitness for a particular purpose of this product.