

56 Watt Vapor Proof LED 4 Foot Light for Outdoor Applications

48V DC - IP67 Waterproof

Instruction Manual

Thank you for your purchase of the Larson Electronics GVP-48-2L-LED-48VDC-R2.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE GVP-48-2L-LED-48VDC-R2 MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.



WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.

RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.

RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

The Larson Electronics GVP-48-2L-LED-48VDC-R2 is similar to our popular explosion proof LED fixtures and provides an LED alternative to fluorescent fixtures that provides longer lamp life and higher performance. These LED two lamp fixtures produce more output with longer lamp life and are vapor proof and impact/ vibration resistant. This vapor proof LED light is ideal for applications such as ships, offshore applications, marine (saltwater) use, manufacturing, water treatment centers, shopping malls, parking structures, and outdoor flood lighting.

WIRING

Standard pigtail(flying leads) wiring

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 48V DC nominal (input range of 37-60V DC).

Warning: Check product label for correct input voltage!

Attach supply line wires to the appropriate light fixture wires as shown in the diagram

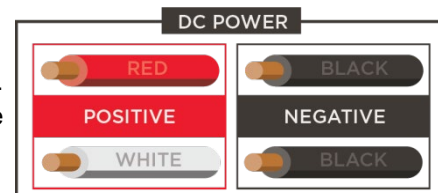


Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.



Low Voltage DC

Connect power to power supply outputting low voltage between 37-60 Volts DC. This variable voltage allows greater versatility without affecting light output. Ensure Deutsch connectors are properly connected (if applicable).



SAFETY INSTRUCTIONS (Read Carefully for your Protection)

- ETL listed for indoor use only.
- Connect fixture to voltage on nameplate. Universal voltage 120-277VAC 50/60 Hz or 11-25V AC/DC depending on model purchased.
- A qualified electrician or person with experience in household wiring should install this fixture. The electrical system and the method of connecting to electricity must be in accordance with the National Electrical Code and local building codes.
- Keep away from flammable objects. Do not position fixture within one inch of any combustible materials.
- Your light fixture is prewired for easy installation.
- This fixture is rated for 50,000+ hours.
- Wear rubber sole shoes and work on a sturdy wooden ladder.
- To avoid hazard to children, account for all parts and destroy packing materials.

PREPARATION

- Before beginning assembly, installation, or operation of product, make sure all parts are present. Compare parts with the package contents list and diagram.
- If any part is missing or damaged, do not attempt to assemble, install or operate the product.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Light does not come on	No power to the fixture	Check if circuit breaker is tripped
Wiring to the unit is loose	---	Confirm fixture is properly grounded

QUESTIONS, PROBLEMS, MISSING PARTS

Before returning your fixture, please call Larson Electronics at 1-800-369-6671 or log on to <http://www.larsonelectronics.com> for replacement parts.

WARNING

- Always hire a licensed electrician for proper installation.
- Always mount this fixture to a grounded junction/breaker box.

LIGHT ASSEMBLY

1. Turn off the power at the main fuse or breaker box.
2. Remove clips and open fixture.
3. Turn latches 90° to release lamp holder board.
4. Thread wires through wire gland and back cover wire hole.
5. Connect the wires to the wire terminal L to L, N to N then fasten the wire gland.
6. Put the lamp holder board in the back cover, fixing poles through the board's holes. Then turn the head of latches 90° to fix the board to back cover.
7. Install lamp.
8. Use the lens and back cover clips to attach lens to back cover.
9. Use the wall clips to attach light fixture to wall.
10. Turn power on at main fuse breaker box.



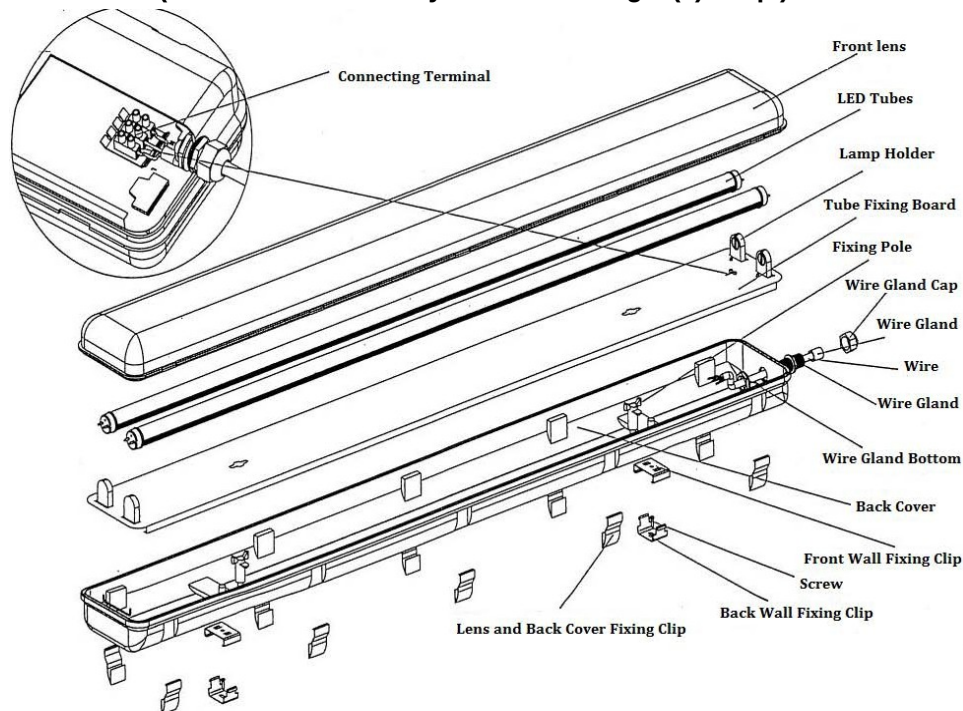
MAINTENANCE

Caution: To avoid personal injury, disconnect power to the light and allow the unit to cool down before performing maintenance.

Warning: No user serviceable parts inside of fixture. Risk of electric shock. Removal of the lens will void the warranty.

1. Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on a yearly basis. Frequency of use and environment should determine this. It is recommended to follow an Electrical Preventive Maintenance Program as described in NFPA 70B: Recommended practice for Electrical Equipment.
2. The lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner.
3. Inspect the cooling fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.
4. Do not operate if the lens is cracked or damaged. All fasteners should be properly seated.

LIGHT ASSEMBLY DIAGRAM (Note: This model only contains a single (1) lamp.)



USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The GVP-48-2L-LED-48VDC-R2 is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.