



# **LED50WRE**

## **INSTRUCTION MANUAL**

## 50 Watt High Intensity LED Light - 12-32V DC - 2500ft Spot Beam - 6.7" OD Light Head Instruction Manual

Thank you for your purchase of the LED50WRE from Larson Electronics.

### **WARNING**

#### **Standard Warning (General)**

#### **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 LED50WRE 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.

**SAVE THESE INSTRUCTIONS**

## INSTALLATION



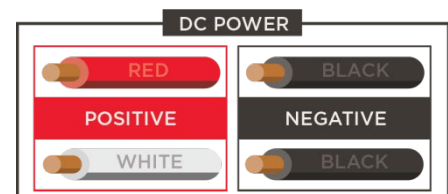
**WARNING:** Bolts, Nuts, and Washers are Stainless Steel. **DO NOT USE** Pneumatic or Electric Tools to Tighten and Loosen. The Hardware Will Permanently Lock Together.

1. Determine where the light/lights will be placed.
2. Place mounting bracket with light to desired location. Using a marker or pick tool, mark the center point of the bolt hole on the mounting surface.
3. Set the light aside. Drill out a large enough hole to fit the [M10] bolt Part (B1).
4. Remove the mounting bracket from the lights by unscrewing the 1 8mm Allen Head Bolt Part (B2), with the 8mm Allen Key Part (A1). And the 1 Hex Head Bolt Part (B3) with a 17mm socket.
5. Line up the mounting bracket with the hole you just drilled, slide the [M10] Bolt (B1) through both.
6. On the other side of mounting surface slide the [M10] Washer Part (W1) and [M10] Nylock Nut Part (N1) onto the [M10] Bolt (B1). Tighten Nut & Bolt to desired tightness.
7. Reassemble the light to the mounting bracket by reapplying the 2 Bolts (B2) & (B3). Tighten to desired tightness.

## WIRING

Connect power to power supply outputting low voltage between 9-42 Volts DC. This variable voltage allows greater versatility without affecting light output. Ensure Deutsch connectors are properly connected (If applicable)

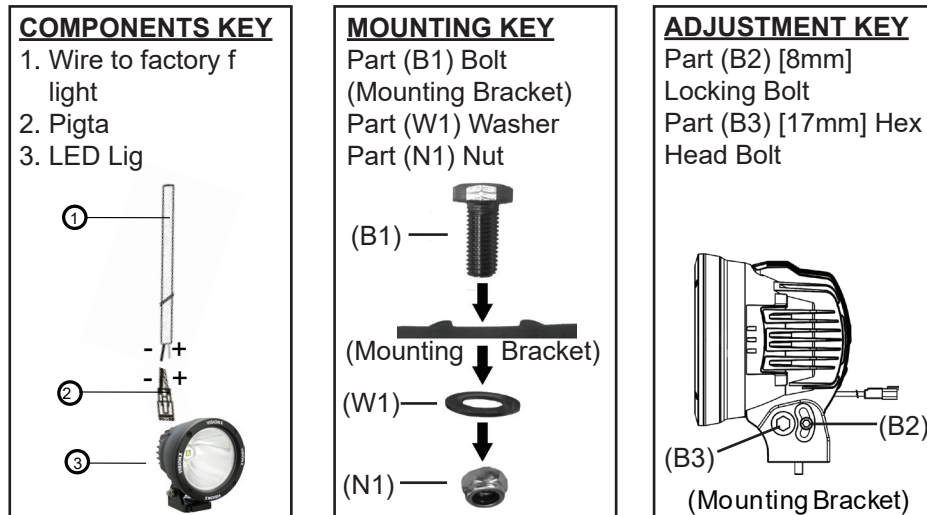
- Cord is attached via a weatherproof 2-pin Deutsch connector.
- The cord is detachable by depressing the tab on the top of the connectors. This enables the operator to remove and store the light while leaving the cord connected to the power source.
- Additional or replacement cords can be ordered from our website. Contact us or visit [LarsonElectronics.com](http://LarsonElectronics.com) for more information.



QUICK DISCONNECT  
DEUTSCH CONNECTOR

## LIGHT ANGLE ADJUSTMENTS

1. Use the 8mm Allen Key PART (A1) to loosen the Allen head bolts Part (B2) on the side of the light.
2. Use a 17mm socket to loosen Hex head Bolt Part (B3).
3. Adjust the light to your desired angle and tighten Bolts.



## 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.

## 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 LED50WRE is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.



## NOTES

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](mailto:SALES@LARSONELECTRONICS.COM) OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT [LARSONELECTRONICS.COM](http://LARSONELECTRONICS.COM) FOR **WARRANTY** AND **RETURN** INFORMATION.