72 Watt Infrared LED Light Emitter
790NM IR Beam - IP68 - 9-42VDC - Extreme Environment
Instruction Manual

Thank you for your purchase of the Larson Electronics LEDLB-24E-IR-790NM series LED light. This light is completely assembled, tested and ready for installation when shipped from the factory. Please follow the steps below in order to operate and maintain this product.

IMPORTANT

READ CAREFULLY BEFORE OPERATING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. IF UNSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICAL PROFESSIONAL.

WARNING: OPERATE ONLY AT THE VOLTAGE LISTED ON THE PRODUCT. DO NOT OPERATE IN CLOSE PROXIMITY OF COMBUSTIBLE OR FLAMMABLE MATERIALS. NEVER LOOK DIRECTLY AT LIGHT WHEN ON. DO NOT SHINE LIGHT INTO THE FACE OF SOMEONE ELSE.

WARNING: CONSULT A QUALIFIED ELECTRICAL PROFESSIONAL/ELECTRICIAN TO INSTALL THIS DEVICE IN ACCORDANCE WITH APPROPRIATE LOCAL AND NEC CODES AND REGULATIONS.

WARNING: DEVICE IS SUITABLE FOR INSTALLATION IN WET LOCATIONS; GFCI PROTECTION RECOMMENDED.

WARNING: ALTHOUGH FIXTURE IS WATERPROOF, IT IS NOT DESIGNED OR INTENDED TO BE SUBMERGED.

WARNING: DO NOT ALLOW LINE VOLTAGE WIRES TO BECOME SUBMERGED!

- IP67 RATED; SUITABLE FOR WET LOCATIONS (ALTHOUGH FIXTURE IS WATERPROOF, IT IS NOT DESIGNED OR INTENDED TO BE SUBMERGED).
- ALL OUTDOOR INSTALLATIONS AND INDOOR INSTALLATIONS NEAR A WET LOCATION REQUIRE THE USE OF A GFCI DEVICE FOR SAFETY, ACCORDING TO THE NATIONAL ELECTRICAL CODE® (NEC).
- KEEP AWAY FROM FLAMMABLE OBJECTS. DO NOT POSITION WITHIN ONE (1) INCH OF ANY COMBUSTIBLE MATERIALS.
- IF DROPPED OR DAMAGED, THE UNIT MAY NO LONGER BE WATERPROOF AND SHOULD BE REPLACED.
- TO AVOID HAZARDS TO CHILDREN, ACCOUNT FOR ALL PARTS AND DESTROY PACKING MATERIALS.

INSTALLATION

MOUNTING

LEDLB series light bars are equipped standard with aluminum mounting blocks which slide within the aluminum housing to allow users to adjust their positioning to match existing or user drilled mounting holes. Each aluminum mounting block has an integrated rubber bushing to absorb vibrations and shocks. To secure the lights in place users simply slide the mounting bolts through the aluminum mounting block and rubber isolator, through the mounting surface, then secure the bolt with a locking nut on the opposite side of the mounting surface. This mounting system enables mounting to flat or round surfaces and allows for minimal 7 degrees of flexibility of angle placement of the light. We also offer a BC-2 bar clamp mounting system as an option for even greater mounting versatility.



DEUTSCH CONNECTOR

WIRING

Once mounted, check to ensure the Deutsch connector is plugged into the back of the light. Run cord to nearby power source. Connect the plug into compatible outlet with the proper voltage, as listed on product label. Improper voltage could cause the unit to fail, voiding warranty. The light is “instant-on” and will turn on once power is supplied.

Voltage: 120-277V AC with transformer. 9-42 VDC without transformer.

MAINTENANCE

If the lens becomes dirty, wipe down with a mild soap and water solution.

It is recommended to occasionally inspect the unit for any defects and to ensure the cable is not frayed and is gripping tightly in all points of cable contact.

TROUBLESHOOTING

Refer to the guide below or contact the manufacturer if the fixture does not function properly.

- ➔ Is the correct line voltage supplied?
- ➔ Is the line active?
- ➔ Is the Deutsch connecter properly attached?

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 LEDLB-24E-IR-790NM 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 1-877-348-9680 FOR FURTHER ASSISTANCE.

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