Infrared LED Light Bar With Magnetic Base Trunnion Bracket - Extreme Environment Instruction Manual

Thank you for your purchase of the Larson Electronics LEDLB-8ET-IR-M Infrared Led Light Bar.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE LEDLB-8ET-IR-M 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.

- PEOPLE WITH PACEMAKERS SHOULD CONSULT THEIR PHYSICIAN(S) BEFORE USE. ELECTROMAGNETIC FIELDS IN CLOSE PROXIMITY TO HEART PACEMAKER COULD CAUSE PACEMAKER INTERFERENCE OR PACEMAKER FAILURE.
- **KEEP FINGERS AWAY** FROM MAGNET WHEN MOUNTING AS INJURY COULD OCCUR.
- **INFRARED LIGHT MAY CAUSE DAMAGE** TO EYES IN VERY INTENSE CONCENTRATIONS.
- RISK OF EYE DAMAGE AT SHORT DISTANCES. TURN LIGHT SOURCE OFF BEFORE SERVICING.

The Larson Electronics LEDLB-8ET-IR-M LED Light Bar offers high infrared light output and extreme durability combined with a versatile magnetic trunnion mounting system that provides magnetic mounting convenience and 270 degrees of adjustability. This IP68 rated IR LED light bar is waterproof to three feet and produces 1,440 lumens of infrared light while drawing only 24 watts of power @2 amps from a 12 volt electrical system. This light can run on any voltage from 9 to 42 volts and produces an infrared light beam that can only be seen through the use of night vision goggles. 850Nm versions have a very slight red glow around the LED emitters when viewed from a certain angle while 940Nm versions are completely invisible to the naked eye. This light provides an extremely rugged infrared lighting solution that is ideal for use in commercial and industrial security applications as well as military environments.

MOUNTING

Mounting of this light bar is achieved via magnetic mounting bracket attached at the sides of the light. Simply stick the light to any clean, flat magnetic surface capable of supporting the weight of the fixture. Once mounted, angle of the light can be adjusted by loosening the two screws on either side of the fixture, tilting the light into desired position, then tightening the screws again to hold it in place.



POWER

WARNING: Check product label for correct voltage rating!

Power to the light is connected via 16' coiled cord with cigarette plug, which is attached to the light via 2-pin quick disconnect Deutsch connector on the back of the fixture. Simply mate the coiled cord with the light, then plug the cigarette plug into a compatible outlet outputting the correct voltage.



QUICK DISCONNECT
DEUTSCH CONNECTOR

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 LEDLB-8ET-IR-M 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.