

8W Vehicle Identification Infrared LED Light

12-36V DC Input - 940nm LED - Saltwater Approved/IP67 Rated

Instruction Manual

Thank you for your purchase of the Larson Electronics LEDXSL-8W-IR-940NM Infrared LED Light.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE LEDXSL-8W-IR-940NM 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.

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 LEDXSL-8W-IR-940NM Vehicle Identification Infrared LED Light generates powerful infrared light for reliable vehicle marking, signaling and identification at night. This 8-watt LED unit provides 940nm infrared light with selectable flashing patterns. Weatherproof and extremely versatile, the compact LED light is IP67 rated and approved for use in saltwater locations.

MOUNTING

Equipped with two pre-drilled mounting holes, the machined polycarbonate base is designed for flush mounting and offers a wide degree of mounting versatility, as well as ease of installation. Simply secure the fixture to the surface of your choosing by driving heavy duty mounting screws through each of the pre-drilled mount holes and into the surface.

WIRING

We strongly encourage a licensed electrician install this product, in all locations, especially in outdoor areas where weatherproofing may be required.

Warning: *Check product label for correct input voltage!*

The LEDXSL-8W-IR-940NM is compatible with customer-provided 16 AWG wiring. This 8-watt light operates on 12-36V DC input (including commonly found 12V, 24V military vehicles, 12V civilian vehicles and 36V heavy equipment). Secure each pair of wires according to the wiring diagram included with your unit. 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.

STROBE OPERATION

The LEDXSL-8W-IR-940NM is a superior infrared LED light for discreet vehicle identification, marking or paroling at night in rugged environments. This 8-watt light operates on 12-36V DC input (including commonly found 12V, 24V military vehicles, 12V civilian vehicles and 36V heavy equipment). The LED lamp assembly produces 940nm infrared light without the dark spots or unevenness of traditional incandescent beacon lights. This unit is paired with a specially designed clear optical lens for complete 360° x 210° coverage. Operators can change flashing patterns using a trigger wire. The LED driver is secured on the board, inside the unit.

Red: Vin +

Black: Vin -

White: Trigger (touch with vin+)

Green: Sync Signal

- | | | |
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| 1. Quad Flash and Single Flash (T=710ms) | 6. Five Consecutive Flash (T=710ms) | 11. Single Flash (T=800ms) |
| 2. Quad Flash (T=710ms) | 7. Single Flash 1 & 2 (T=710ms) | 12. Double Flash (T=400ms) |
| 3. Double Flash (T=710ms) | 8. Single Flash (T=1000ms) | 13. Slow Single and Quick Single (T=279ms) |
| 4. Single Flash (T=710ms) | 9. Single Flash (T=400ms) | 14. Slow Single and Quick Single (T=1180ms) |
| 5. Double Flash and Single Flash (T=710ms) | 10. Single Flash (T=200ms) | |

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

- Disconnect power running to the lamp and be sure the fixture is cool to the touch.
- Use a non-abrasive glass cleaning solution to clean the lens.

Note: *It is not necessary to open the fixture and clean or touch the LED's.*

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 LEDXSL-8W-IR-940NM 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.