LED Light Emitter - 12 Watts - 4 LEDs
90'L x 70'W Beam - 9-42VDC - 720 Lumen - Extreme Environment
Instruction Manual

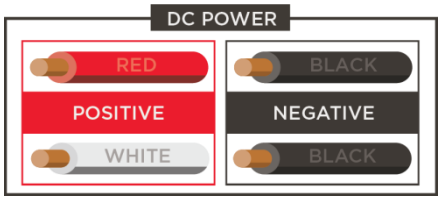
This light uses the latest in solid state lighting technology for long life, low maintenance and high efficiency.
The unique design focuses the light where it is needed, giving improved efficiency over a conventional HID luminaire.
An internal, universal input, power-factor-corrected switch-mode supply allows it to be used from any nominal 9-42V DC supply without any variation in light output.

WARNING
To avoid the risk of fire or electric shock, this product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

MOUNTING

- This fixture offers 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, simply slide the mounting bolts through the aluminum mounting block and rubber isolator, through to 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. In this LED emitter light bar model, an additional mounting option is provided. The adjustable, shock insulated mounts are attached to a simple, inverted u-bracket type mount. The LED light bar can then be mounted via a single 3/8 bolt through the center of the bracket.
- To adjust, loosen bolts on either side just enough to adjust light head. Tighten bolts once desired position is achieved.

POWER
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.



LED Light Wire Harness Installation Instructions
The Wiring Harness supplied with a male deutsch connector on one end of the cable is used for powering the light.

1. To connect the wiring harness to the spotlight push the male deutsch connector located on the end of the cable into the female deutsch connector protruding from the light.
2. Take the blank end of the cable and carefully strip back about an inch of the outer jacket to expose the conductors inside the cable. The cable consists of white and black wires. The Black wire is the ground wire, the white wire is the positive. When applicable, the green wire is a signal control wire for dimming applications.
3. Once the white and black wires have been connected to their mates on the power source, power will be provided to the LED light via your low voltage power source.

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 cooking 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.

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.

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