120 Watt Dimmable Infrared LED Light Emitter
Extreme Environment - 9-42V DC - PWM - 850nm/940nm Combo
Instruction Manual

Familiarize yourself with all procedures outlined within this instruction sheet.

WARNING:

READ CAREFULLY BEFORE OPERATING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- Never place spotlight face down when light is on. Doing so could burn/ignite surfaces such as seats, carpeting, etc. and cause major property damage. Always turn spotlight off when not in use.
- To prevent serious damage to eyesight, never look into spotlight when light is on.
- **DO NOT** shine light into the face of someone else.
- **DO NOT** touch lens of spotlight when light is on or if it was recently on. The lens will be hot.
- **DO NOT** allow children to handle or operate this spotlight.
- **DO NOT** use this product for other than its intended use.
- **DO NOT** operate in close proximity of combustible or flammable materials.
- **DO NOT** attempt to operate this light if cord, plug, lens or any part of the spotlight is damaged or corroded.
- Not designed or intended to be submerged.
- If dropped or damaged, the unit may no longer be waterproof and should be replaced.
- ONLY OPERATE THIS LIGHT WITH THE INCLUDED WIRING HARNESS!

The Larson Electronics LEDLB-40X2E-2XIR-DIMM-PWM Dimmable Infrared LED Light Bar offers high 7200 lumen infrared light output and extreme durability for demanding operating conditions. This IP68 rated infrared LED light bar is waterproof to three meters and produces an infrared light beam that can only be seen through the use of night vision goggles.

POWER



1. The LED light is designed to work on 9-42 volts DC. This variable voltage allows the light to be connected to consumer vehicles and other non-standard power supplies such as military vehicles and heavy equipment.

   PLEASE NOTE: *There is no difference in light output between voltages.*

Power transformers (DCP-11-DP) can be purchased through our website to run this LED light from household wall outlets.

MOUNTING



Lamp is suspended with aluminum mounting blocks which slide within the aluminum housing. Each aluminum mounting block has an integrated rubber bushing to absorb vibrations and shocks. To secure the light in place, 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. Tighten all points including adjustment screws to secure light in place.

WIRING

- Power is attached via 3-pin Deutsch connector on back. Connect to supply power via Red (top) to positive(+), White (bottom) to positive(+), and Green (-). Ensure wiring is watertight when installing in wet/outdoor areas. Connect deutsch connector into back of light. Light is “instant-on” and will illuminate once power is supplied. The pulse width modulation drivers in this unit also provide secondary benefits through the ability to tap into a provided input wire with an external pulse generator and adjust the duty cycle of the current being applied to the LEDs. Thus you can connect an external dimmer, switch or pulse control and adjust the perceived output of the light, effectively causing the light to flash, dim or brighten to the desired levels.

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.