



Larson Electronics LLC

www.Magnalight.com

9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364 - E: sales@magnalight.com

LED LIGHT BAR SERIES

Wire Harness Installation Instructions

The wiring harness supplied with Larson Electronics' LED lights is assembled with a SOOW cable with two male Deutsch connectors on one end of the cable. A three conductor cable is supplied with the light.

WARNING: *These LED light bars operate on low voltage DC. **DO NOT** apply 120-277V AC high voltage power to these lights. Applying high voltage (i.e. plugging lights directly into a wall outlet) will fry the internals of the light and will void the warranty. To power these lights from a high voltage power source, an AC-DC power transformer is required. Larson Electronics DCP series weatherproof transformers will allow these LED light bars to operate from high voltage AC power sources.*

1. To connect the wiring harness to the spotlight, push the male Deutsch connectors located on the end of the cable into the female Deutsch connectors protruding from the light.
2. Take the blank end of the cable and carefully strip back about one inch of the outer jacket to expose the conductor wires inside the cable. The cable consists of three wires, depending on the series of light purchased.
 - a. The **white** wire is the positive (+) power wire for the **WHITE** light.
 - b. The **green** wire is the positive (+) power wire for the **COLORED** light.
 - c. The **black** wire is the negative (-) ground wire.
 - d. The **yellow** wire is a single control wire (for LEDP series lights only) for dimming applications. This wire is for use with pulse width modulators to dim the LED light, Larson Electronics' part number PWM-SGV (sold separately).
DO NOT apply power (+) OR ground (-) to this wire. Doing so may damage the light and will void the manufacture warranty.
3. Once the white (+), green (+), and black (-) wires have been securely connected to their mates, power will be provided to the LED light via the provided low voltage power source.

Additional or replacement cords can be ordered from our website. We offer replacement wiring harnesses for the LED lights in various lengths to meet the customer's requirements, including a 6" wire harness (LEDWH-6), 20 ft. harness (LEDWH-20), 30 ft. harness (LEDWH-30), and a 50 ft. harness (LEDWH-50). We also offer 16 ft. coil cords with a cigarette plug (C-16-CC-CP), 21 ft. cords with ring terminals (C-16-BC), and 16 ft. straight cords with cigarette plugs (C-16-CP).



IPD / LADD DT06-2S
Male Deutsch Connector

White: Positive (+VDC)
Black: Negative (-VDC)

Green: Signal Control Wire
(optional; for dimming only)