Custom Dynamics® Knight Riderz Installation Instructions

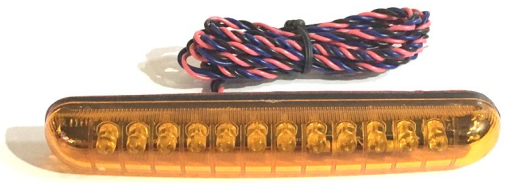
We thank you for purchasing the Custom Dynamics® Knight Riderz LED Light bar Turn Signals. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Numbers: LB05A, LB05R

Package Contents:

- LB05 Light Bar (1 each)
- Instruction Sheet

Fits: Works with any 12DC system



Specifications

Board: 12 High power LEDs with estimated 30 degree viewing angle, available in Red/Amber LEDs.

Operating Voltage: 12 Volts VDC

Wire: 36" (3 ft.) Stranded conductor wire 22 AWG gauge

Housing:

- UV stable lens available in Red/Amber/Smoked/Clear
- Sealed lens and housing (non-removable)
- Dimensions 12 LED: 4.7" Long X .7" Wide X .7" High
- Dimensions 21 LED: 7.5" Long X .7" Wide X .7" High

Mounting: Pre-Taped with 3M™ Double Sided Tape

⚠ ATTENTION ⚠

Please read all Information below before Installation

Important: This product is designed and intended for use as auxiliary lighting only. It is NOT intended to replace any original equipment lighting installed on the vehicle and should not be used for that purpose. This product must be wired so that it does not interfere with any original equipment lighting.

Note: Please read all instructions before beginning installation. Some wiring knowledge and soldering experience will be helpful. Consult your vehicle detailed service manual for wiring information and color codes. Use a meter or test light to verify wiring before cutting or tapping any vehicle wiring. If the steps contained within are beyond your skillset, do not attempt installation, contact a qualified mechanic or dealership to assist you.

Safety First: Always wear appropriate safety gear including safety glasses when performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Turn fuel supply valve to the off position before starting installation. Be sure vehicle is on level surface, secure and cool.

Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure do to so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

Important: The LB05 is designed for turn signal applications only. The unit requires 12 VDC constant power in order to flash sequence. It also requires a properly regulated turn signal flasher in order to properly run through the flash sequence. This unit does not have a running light feature.

Recommendation: To increase the adhesion power of the 3M mounting tape, it is recommended to use 3M Adhesion promotor, sold separately. Not available for air or international shipping, contact us for details.

Important: It is recommended that the installation of this product should be performed in a controlled environment of 65 F or above. Allow 24 hours for the tape to properly adhere before riding or washing the bike.

General Mounting Instructions

1. Choose the desired location to mount the LED units. Keep in mind that product requires a flat surface for maximum tape adhesion. Light bar may be mounted vertical or horizontal.
2. Clean the surface thoroughly before mounting with appropriate cleaning method and rubbing alcohol.

Note: It is recommended to apply 3M adhesion promotor to the mounting surface to increase tape adhesion, sold separately. If 3M Promotor ampule was purchased, open the vile and apply generously to the mounting surface. Allow to dry.

3. Inspect the vehicle and plan the route the wiring will make to the connection point. Keep in mind each unit has 36" of wiring. Consult vehicle detailed service manual for vehicle wiring information and wire color codes. Use a meter or test light to verify vehicle wire functions before connecting.

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Mounting Instructions - Continued

4. Drill hole(s) if necessary in the mounting surface to allow for the wiring to pass. Feed the wiring through the hole(s).
5. Remove the Red backing from the Tape and carefully mount in the desired location, paying attention to the desired level and center. Take care in this step as once the tape adheres to the surface, it will be very hard to remove and re-apply and is not recommended.
6. Dress the wiring with shrink tubing (not included) as needed to protect wiring from sharp metal or openings, then run the wiring along the chosen route from step 4. Make sure wiring cannot be accidently cut, pinched, or frayed by moving or sharp parts. Keep wiring from coming in direct contact with high heat components.
7. Once you have reached the chosen connection point, trim any excess wiring from LED wires the and prepare the wiring ends by stripping back the insulation.

Wiring the Connections

The LB05 Light Bars require constant power in order to flash properly. The wiring function is:

Black = Ground [-] Negative
Red = Constant Power [+] Positive
Blue = Turn Signal Power [+] Positive

1. Connect the Black wire from the light bar to a suitable ground in the wiring harness or connect directly to the negative [-] of the battery.
2. Connect the Red wire from the light bar to a constant positive [+] power wire such as a tag light power wire or accessory power wire.
3. Connect the Blue wire from the light bar to the positive [+] Left or Right signal wire .

Use weatherproof splice connectors or Posi-taps™ for connections or solder wire connections.

Make sure to insulate solder connections with heat shrink tubing or electrical tape.

See right for wiring diagram.

Note: Proper flash rate from a DOT flasher is required for proper sequence operation. Fast, incomplete sequence from the light bar indicates that there is not enough load on the flasher to flash correctly.

LB05 Wiring Diagram

