

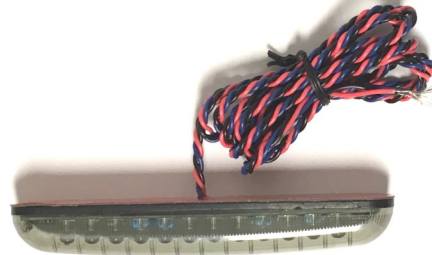


## Custom Dynamics® Knight Riderz Installation Instructions

We thank you for purchasing the Custom Dynamics® Knight Riderz LED Light bars. 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:

<u>Dual Intensity Hi/Low</u> (Non-Sequential/non-flash)		<u>Sequential w/Flashing Brake</u>	
LB01	LB01A	LB02	LB02S *LB06
LB21R	LB21A	LB22	LB22S
		* = LB06 is for off-road or show use only.	
<u>Non-Sequential/Flashing Brake</u>		<u>DRL Hi/Low Intensity</u>	
LB03	LB03S	LB01W	



### Package Contents:

- Knight Riderz Light Bar (1)
- Instruction Sheet

Fits: Works with any 12VDC system



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 to do 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.

**Recommendation:** To increase the adhesion power of the 3M mounting tape, it is recommended to use adhesive primer, 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.

**Note:** Light bars will NOT work on vehicles without a 12VDC Run and 12VDC Brake light, i.e. 3 wire taillights.

### Specifications

Board: 12 or 21 High power LEDs with estimated 30 degree viewing angle, available in Red/Amber/White LEDs.

Voltage: Operating Range 12 Volts DC current

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" X .7" X .7"
- Dimensions 21 LED: 7.5" X .7" X .7"

Mounting: Pre-Taped with 3M™ Automotive Acrylic Plus attachment Tape

### 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.
3. **Note:** It is recommended to apply adhesive primer to the mounting surface to increase tape adhesion, sold separately. If adhesive primer was purchased, open the vial and apply generously to the mounting surface. Allow 3-4 minutes to dry.
4. 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.

Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

# Installation Instructions - Page 2

## Mounting Instructions - Continued

5. Drill hole(s) if necessary in the mounting surface to allow for the wiring to pass. Feed the wiring through the hole(s).
6. 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.
7. 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 accidentally cut, pinched, or frayed by moving or sharp parts. Keep wiring from coming in direct contact with high heat components.
8. 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

All light bars regardless of configuration will have the following wire colors and functions:

- Black = Ground**
- Blue = Low Intensity Run or Sequential**
- Red = Full Intensity Signal**

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 blue 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 Red wire from the light bar to the positive [ + ] brake or 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 box right for wiring diagrams.

Note: When using single function on light bar, the unused wire should be capped to prevent shorting.

