



## Custom Dynamics® Flexible LED Reels Installation Instructions

We thank you for purchasing the Custom Dynamics® Flexible LED Reels. 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:

- LEDREELBLUE
- LEDREELWHITE
- LEDREELGREEN
- LEDREELORANGE
- LEDREELRED
- LEDREELWHITE
- LEDREELYELLOW

### Package Contents:

- LED Reel (1) (5 meter length)
- Instructions

### Specifications:

- LED Type: SMD 3528
- Length: 16.4 ft or 5 Meters
- LEDs per Reel: 600
- Rating: IP65 Rated
- 5 Year Warranty on LEDs
- Cut-able Every 3 LEDs
- Black 3M Tape
- ROHS Compliant

Fits: Compatible with 12VDC systems with a negative ground.



# ATTENTION



Please read all information below before Installation

## Installation

1. Choose the desired location to mount the LED strip(s). Measure the area, then trim the LED strip to fit area. Keep in mind that LEDs should not be installed on a sharp edge or close to high heat areas. Make sure the strip cannot be cut, pinched or frayed by moving parts.

**Note:** LEDs are cut-able every 3 LEDs at the cut line. The brass solder pads on each side of the cut line are the connection points for the power. Each Strip is marked [ + ] and [ - ]. It is recommended the solder joint be performed on the front of the unit, by removing a section of the conformal coating. Once the solder connections are complete, cover with dual wall heat shrink tubing (not included) to prevent from shorting, for strain relief and to help protect from corrosion.

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 3-4 minutes to dry.

3. 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.
4. Connect the Ground wire from the LED strip directly to the negative [ - ] of the battery.
5. Connect the Power wire from the LED strip directly to the Positive [ + ] of the battery.
6. 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.

**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:** Some wiring knowledge and soldering skills will be required. 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.

**Note:** This product used in its entirety as 1 continuous strand is approximately 6-8 amps (depending on color) at 13.5 VDC. Multiple strands from the same power source can quickly over heat, overload the circuit and is not recommended. Please wire accordingly.

**Recommendation:** To increase the adhesion power of the 3M mounting tape, it is recommended to use 3M Adhesion promotor #94, sold separately.

**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 vehicle.

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