



PLEASE READ

Thank you for your purchase of **BOOGIE LIGHTS® RV LED** products! We're thrilled you selected Boogey Lights®. We're quite proud of our product, our service and our warranty. **We urge you to take the time to review this information. We realize most people don't like to read but this is one situation where it's important to read the instructions before doing anything.**

IMPORTANT. You must have an understanding of 12vdc power. An essential skill with installation of any Boogey Lights LED product is knowing how to correctly wire the product to a 12vdc circuit. This includes understanding the importance of having a properly sized fuse at the power source, polarity, how to properly seal an electrical connection, using properly sized wire gauge for the load, measuring voltage and measuring the additional amperage draw you're adding. If you are uncertain or unfamiliar with any of these concepts, we urge you to ask someone who has the knowledge to assist you. Electricity is unforgiving.

Preparing the Mounting Surface: Since 1989 we have installed our lights on just about every possible type of vehicle known to man. The one thing all of these applications have in common is they often operate in harsh environments where they are exposed to heat, vibration, cold, dust, dirt, wind and water. One thing we've learned is the importance of properly preparing the mounting surface which includes using 3M® adhesion promotor. Most LED light kits we sell includes 3M® promotor (aka "primer"). It's essential the surface be prepared using this 3M® promotor and that you follow the directions provided. Do not cut corners. If you purchased an LED light strip that does not include this primer, we offer different size primer bottles for sale.

Using 3M Adhesion Promoter: 3M Promoter is a powerful adhesion primer. You don't need a lot to make it work. Once you paint on the promoter you have at least an hour to mount the light strip, although we recommend proceeding immediately after painting the surface with the 3M Promoter. The primer instantly bonds the 3M tape on the back of the LED light strip to the mounting surface. Of course, be sure to first remove the red backing tape protecting the 3M adhesive strip secured to the back of the LED light strip. Then, once the exposed 3M tape on the back of the LED strips touches a surface that has been treated with the 3M promoter, they will instantly bond together. You will not be able to break that bond without damaging the strip so make sure you have the placement where you want it the first time. There are no do-overs when using 3M Promoter and 3M VHB tape.

Installing the Light Strip: The 3M adhesive we use on our light strips is super strong. You do not need to press very hard to get them to stick. In fact, pushing too hard can damage the connector wires and LEDs embedded in the strip. Just a little light pressure is all it takes. Also, when affixing the light strip to the mounting surface **DO NOT** stretch, pull, put tension on or twist the LED strip. For example, do not allow either the power lead cable or the entire roll of LEDs to dangle while you're working on mounting the strip. The LED strip is not built to withstand tension, twisting or bending. Simply unroll the LED strip in a straight line as you go lightly pressing the strip to the surface. Do not tug or pull on the strip to keep it tight. The strip must be mounted flat against a contiguous mounting surface, in a straight line. Really important too that the entire strip be stuck to the mounting surface and that you NOT attempt to span across multiple mounting surfaces. If you do, the strip will almost certainly fail in the spot that isn't affixed firmly to the mounting surface. If you don't have a smooth, flat, contiguous mounting surface we recommend riveting (or screwing) aluminum or plastic flat stock (or L Channel if you need rigidity) to the surface and then mount the LED strip to that flat stock. Also, do not attempt to mount the strip to follow a radius. The LED strip has to be mounted in a straight line and flat.

Be sure to secure the power lead that connects to the one end of the LED strip to the same mounting surface as the LED strip is mounted to. DO NOT ALLOW THE POWER LEAD TO HANG, DANGLE OR MOVE. If you do, the weight of that power lead wire combined with the movement of the vehicle will eventually break the PCB in the LED strip usually at the end of the LED strip near where the power lead connects to it.

Failing to follow the mounting instructions provided herein will almost certainly result in a damaged LED strip which is not covered under warranty.

When mounting on the bottom of any vehicle we recommend making sure you are not mounting the strip in-line with the wheels or in areas that might be prone to a direct strike from road debris. While Boogey Lights® Hi-Intensity LED strips are made for motorsports applications, they will likely not survive a direct strike from a hard object. If you are concerned the LED strips might be hit by road debris due to their mounting location, we recommend using our Heavy Duty LED Strips which are better able to survive a direct strike from road debris.

If you're using our single-color LED strips, make sure you are not over-loading the circuit they are attached to. As with all lighting solutions, each LED strip should be properly fused. If for any reason there is a dead short in the strip, you want the power to that strip to be cut off to avoid over-heating and potentially burning.

Bench Testing: Before shipping, we tested the lights and controller in your order to make sure they work. We suggest bench testing the lights and controller before installing. Doing so will also help you understand the wiring setup without interference from other wires, connectors and cables. You must use a 12vdc power source to test your lights (e.g. car battery, motorcycle battery, lawn tractor battery or 12vdc power supply). A hand held multimeter is highly recommended to verify the 12v source.

Installation Information: In addition to the instructions in this kit, you'll also find installation resources on our website (<https://www.boogeylights.com/installation-resources/>). You can find all product documentation including specifications, wiring diagrams, How-To info, faqs and operating instructions. The overwhelming majority of phone calls we receive are related to wiring. We urge all customers take a few extra minutes to read/review the wiring information we have included.

NOTE ON EXTENDED USE: The LEDs used in this product are very bright; the brightest 12vdc LED lights available. They're designed to be used for accent lighting applications where they are typically powered on for a few hours (usually on a dimmed setting) and then powered off. While they can be used in functional lighting applications (e.g. bright white to temporarily illuminate a work area), the lights should NOT be left powered on for extended periods of time (e.g. 6+ hours). If the LEDs are left powered on for long periods of time - particularly on their brightest setting - the LEDs closest to the power source will have a burned look to them over time. This is because the amount of voltage being pulled through the LEDs closest to the power source will be higher than the voltage going through the LEDs further down the strip. The end result is that those LEDs closest to the power source will be hotter thus creating the burned look. This will occur mostly when displaying the color white on a full brightness setting but can also occur with other colors. For this reason, we do NOT suggest leaving these LED lights powered up for extended periods of time particularly on their brightest setting. Burned looking LEDs are NOT covered under warranty.

Warranty: Warranty information can be found on our website here: <https://www.boogeylights.com/warranty/>. The warranty is a product only warranty for a manufacturing defect. It covers the lights (or remote control) themselves. It does not cover reimbursement for shipping, labor or other charges involved in replacing the product due to a product defect. Warranty also does not cover product failure due to improper installation or unintended uses.