



Thank you for your purchase of **BOOGEY LIGHTS® SEMI-TRUCK LED** products! This Boogey Lights® LED lighting kit for semi-trucks is built on a combination of our new HI-DENSITY 24 LED low-profile lights and new MINI-PODS LED lights (not included in our 96 LED kit). The end result is an incredibly bright yet versatile LED lighting kit that will absolutely light up just about any semi-truck. Of course, if you need more lights, this kit is also expandable.

IMPORTANT NOTE: Because the LEDs on our Hi-Density LED strips are mounted as close together as possible, these light strips are extremely bright. We DO NOT suggest looking directly at them or mounting them in a position that others can look at them directly. Also, they produce more heat. They will get hot to the touch - as much as 125 degrees (f). Care must be taken when mounting not to place them next to materials that might be heat sensitive.

- Typical placement of our HI-DENSITY low profile LED strips are under the cab and/or on the frame rails (facing inward).
- You can mount the Mini-PODs just about anywhere you want (including inside the cab) however typical placement are under the cab, on/over steps and on frame rails.
- As with all lighting products, make sure you are familiar with the state highway regulations about displaying lights. Not all states allow every color to be displayed while on public highways.
- If you're looking for a wireless ON/OFF option please contact us directly for assistance. We offer a number of solutions that will work with this lighting kit.
- This kit assumes you will be tapping into existing 12vdc marker light circuit. You may however wish to add an ON/OFF switch which may require extending the power lead wire. We offer additional **22awg power lead wire** if you need to extend the power leads to these lights
- These HI-DENSITY low-profile strips, while IP65 rated, are not intended to be used in areas that are exposed to diesel fuel. We therefore do not recommend affixing them to fuel tanks. We also do not recommend mounting them on areas of the truck where road debris, gravel and rocks might hit and damage them. Instead, use the MINI-PODS for areas that might be exposed to diesel fuel, rocks, gravel and other road debris. The MINI-PODS and HI-DENSITY LED Strips can be mixed and matched as they are an exact color match.

All **Boogey Lights®** LED strips are **COMMON CATHODE LEDs**. They share a common ground and will only work with positively switched controllers. Most LED strips on the market today are COMMON ANODE because the controller technology used to power them is less expensive to manufacture. However, they're not nearly as bright and are an overall inferior design when compared with COMMON CATHODE LEDs.

Attaching Your Light Strips

The following instructions apply to all series of LED light strips.

Bench Testing:

We strongly recommend bench testing your lights BEFORE you mount them to your truck. While we test every light strip and controller before shipping, bench testing your lights will eliminate the possibility of any problems with the lights or controller before mounting. Also, the process of bench testing gives you an opportunity to understand the wiring system without interference of other wires, connectors and cables already on your ride. Bench testing takes 10 or 15 minutes. It's simple to do and can potentially save you hours of time and frustration down the road.

Mounting Steps:

1) Clean the mounting surface with the supplied alcohol towels first. Once the alcohol dries, use the supplied 3M adhesion promoter (aka 'primer') to prepare the surface where you'll be attaching the strips. The 3M adhesion promoter is used to enhance the adhesion strength of the 3M tape on the back of the light strips and makes a permanent bond. **YOU CANNOT SKIP THIS STEP.** Always apply 3M Promoter to any surface Boogey Lights® LED strips will be mounted. Note - Do not get the promoter on your hands. Let the promoter dry before proceeding.

For situations where you are affixing Boogey Lights® to a surface where heavy oils or grease are present, a "degreaser" solvent such as acetone may need to be used first. If you use acetone (or any other degreasing solvent) you must still apply the 3M Promoter. Acetone is not a replacement for promoter. In addition, if you use acetone to clean a heavy oiled or greased surface, you will still need to follow up with an alcohol cleaning to help ensure any residue or film from the acetone is removed. This is because acetone (and most other degreasing solvents) will thin the promoter as well as break down the adhesive in the tape greatly reducing the tape's stickiness. Any surface first cleaned with acetone must also be cleaned with alcohol and then thoroughly dried before painting on promoter.

2) We suggest you position the flexible strip before removing the tape backing. When ready, remove a small amount of tape backing from one end of the strip while holding it in position. Continue to peel it off and press as you go to ensure the tape doesn't stick prematurely to the wrong place. The promoter used will cause immediate and permanent adhesion on contact with the 3M tape so be sure to **TAKE YOUR TIME**. You must get it right the first time for a guaranteed trouble-free installation.

For best results, attach your lights within one hour or less after the promoter has been applied.

NOTE: While 3M states the promoter and tape combination will not harm painted surfaces, we do not recommend using the promoter on new paint jobs that are not fully cured or aren't at least six months old.

If you need to remove a light strip once placed, you can do so using a hair dryer/heat gun and carefully pulling the light strip off. We recommend using a hard plastic card or similar object (e.g. old credit card) to help pry the light strip off the surface to which it was mounted. If you have to remove the light strip for any reason, the 3M tape on the back of the light strip will not be reusable.

IMPORTANT NOTE: We recommend using rubber gloves when applying 3M Promoter. Do not get 3M Promoter on your hands. Be sure to read the product handling warnings, as it's a very strong chemical.

The 3M adhesive tape on the back of Boogey Lights® LED stripes are one-use only. If you apply them to a surface that has not been properly prepared, the holding power of the 3M adhesive tape will be greatly diminished perhaps making the light strip unusable. **If you take the time to properly prepare the surface in accordance with our instructions here, you won't have any problems mounting your LEDs.**