

Touring & Bagger LED Light Kit Supplement

BENCH TEST YOUR LIGHTING COMPONENTS FIRST

We know this takes a few extra minutes, but we **STRONGLY** suggest you bench test your lights AND your controller / switches on a table before doing anything further. 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. It also lets you know everything is working properly. Also, the process of bench testing gives you an opportunity to understand the wiring system without interference from other wires, connectors and cables. You can use any 12vdc battery to do this (e.g. car battery, motorcycle battery, lawn tractor battery or 12vdc power supply). Bench testing takes an extra 10 or 15 minutes. It's simple to do and can potentially save you hours of time and frustration down the road.

Did we mention the importance of bench testing every LED strip and controller first?

CONFIGURATIONS

Our TOURING & BAGGER LED light kit is offered in two LED strip length configurations. We do this because some bikes have larger fuel tanks than others. The larger/longer fuel tanks have more room for LEDs on the bottom of them. Each configuration includes 8 Hi-Intensity LED surface mounted flexible strips in varying lengths plus either 2 LED strips (RGB) or 2 LED wheel lights (single color) used for lighting the brake calipers. You'll typically want to choose the LED length configuration that has two LED strips that best fit the entire length of your fuel tank.

LED Strip Length Configuration 1 (150 LEDs)

- 2 - 18 LED strips. Each strip is 12.25" long (fuel tank)
- 1 - 18 LED strip. Strip is 12.25" long (ground effects)
- 2 - 6 LED strips. Each strip is 4.5" long (horn and breather)
- 1 - 12 LED strip. Strip is 8.38" long (battery box)
- 2 - 30 LED strips. Each strip is 20" long (under the saddle bags)
- 2 - IF RGB LED strips, each with 6 LEDs + 7' of power lead (front wheel / brake caliper)
- 2 - IF Single Color LED strips, 9 LED Wheel light in your choice of LED color + case finish

LED Strip Length Configuration 2 (156 LEDs)

- 2 - 24 LED strips. Strip is 16.13" long (fuel tank)
- 2 - 3 LED strips. Each strip is 2.5" long (horn and breather)
- 1 - 18 LED strip. Strip is 12.25" long (ground effects)
- 1 - 6 LED strip. Strip is 4.5" long (battery box)
- 2 - 30 LED strips. Each strip is 20" long (under the saddle bags)
- 2 - RGB LED strips, each with 6 LEDs + 7' of power lead (front wheel / brake caliper)
- 2 - IF Single Color LED strips, 9 LED Wheel light in your choice of LED color + case finish

WIRING DIAGRAM

Your kit will come with the wiring diagram for the controller/configuration you purchased. If you can't find it, all of our installation documentation is available online at any time for download. Here is the link: <https://www.boogeylights.com/installation-resources/>.

Scroll down to the **MOTORCYCLE** section. You'll find 5 tabs: **INSTALL, WIRING, OPERATING, HOW-TO** and **ARCHIVE**. Click on each of those tabs to reveal the documents available for downloading in each category.

TYPICAL INSTALLATION

We always recommend dry fitting or temporarily mounting the lights before installation to make sure you get the look you want. We do it all the time ourselves.

Below are our mounting recommendations. THEY ARE SUGGESTIONS ONLY. The final mounting location for the lights comes down to your personal preference. Lighting placement is highly subjective. Mount the LEDs where you think it looks best to you.

On a V-Twin the suggested layout for the lights is as follows:

- Depending upon the LED configuration you purchased, install the 18 LED (or 15 LED) under the bottom of the tank on both sides. Install the 6 LED (or 3 LED) inside the horn cover and behind the breather backplate.
- Depending upon the LED configuration you purchased, install the 6 LED (or 9 LED) behind the engine on the seat pan, oil/battery box or frame downtube. Align it to shine on the rear of the engine. Take the longer LED strip (15 or 12 LEDs depending the configuration you purchased) and install on the frame below the engine. Install on the inside of the frame so it won't be damaged by a jack or when loading onto a trailer.
- Use the two 30 LEDs strips for mounting under each of the saddle bags; one on each side.
- Install one 6 LED strip on the backside of the caliper to light the bottom of the wheel. Run the power lead up the brake line and back to the power source. On bikes with a single caliper consider using the second strip on the rear wheel. You might also be able to install these strips inside the fender or under the fender strut. Looks nice! If you purchased the single color version, the single color wheel lights can be affixed directly to the brake calipers.