RULE THE NITE™

BOOGEY LIGHTS

Family Owned Motorsports Lighting Since 1989!

WIRING PLAN EXAMPLES

For RV, Camper, Trailer Under-Glow Light Systems

Every RV Class requires a different layout and of course every RV is a little different than the other so it's not possible to provide a detailed layout for every possible RV Class, Length and feature configuration. Below are some examples of layouts and wiring plans. The lengths of the LED strips shown in the diagrams below are NOT important as they will be different. Do not get hung up on this. **The diagrams are for illustration only.** Each EASY-ORDER Full Perimeter RV Under-Glow LED light kit we ship has its own CUT SHEET which details the suggested LED strip layout for your specific RV. The important take away here is to understand the wiring plan concepts as it relates to using the supplied feeder cable to connect groups of LED strips based on their location on the RV. This is particularly important for large motor homes with both drive and steer axels.

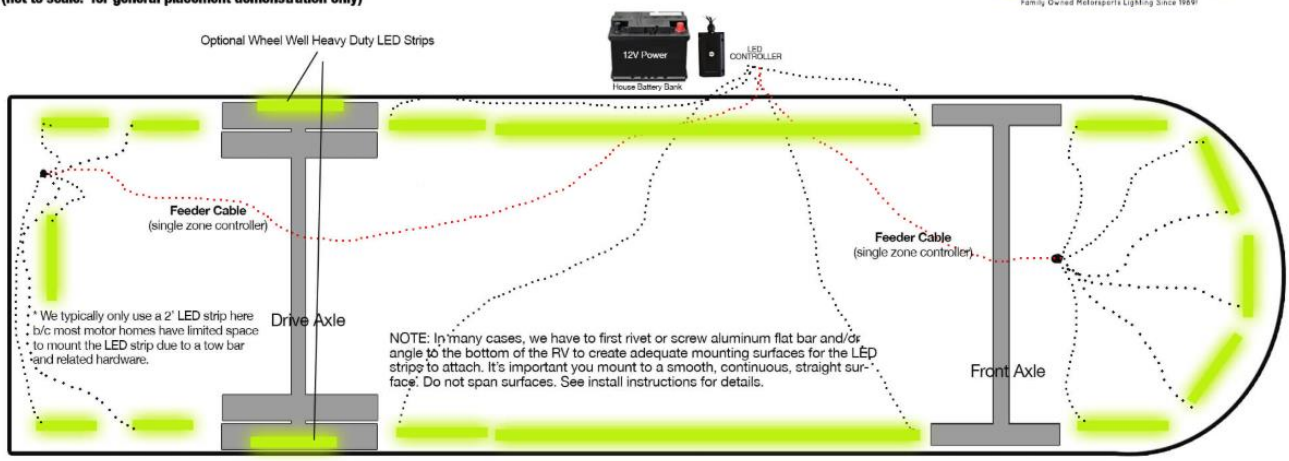
Motor Homes (all classes): Regardless of the length or class of the motor home, most motor home under-glow kits include 1 to 6 LED strips that mount under the front of the vehicle (in front of the steer axle) and 3 to 8 LED strips that mount behind the rear axle. The number and lengths vary based on the RV specs. All of the LED strips in front of the steer axle are wired to one feeder cable. All of the LED strips beyond the drive (or tag) axle are wired to one feeder cable. The LED controller is typically mounted in the middle of the vehicle between the steer and drive axles. The feeder cables the connect to the LED strips from the rear and the front meet in the middle at the controller or switching mechanism.

Fifth Wheel & Travel Trailers: On fifth wheel and travel trailers, the under-glow kits include 3 to 6 LED strips that mount at the rear of the trailer behind the last axle. Those rear LED strips are wired to one single feeder cable. That feeder cable connects to the LED controller or switching mechanism in the battery bay which is usually forward of the axles. The front of the trailer will have anywhere from 4 to 8 LED strips mounted to the bottom of the trailer. Those LED strips are either connected directly to the LED controller or wired to feeder cable which connects to the LED controller.

All of this information – including the wiring plan diagrams – can be found on the product page in the INSTALL section. Here's the link: https://www.boogeylights.com/rv-under-glow-led-light-kit/

UNDER-GLOW FULL PERIMETER LAYOUT | MOTOR HOME

(not to scale. for general placement demonstration only)



All power leads must run back to the Boogey Lights LED controller mounted at or near the 12vdc power source. We always recommend using the house batteries as the power source. **IMPORTANT! LED strips can not "daisy chain" from one strip to the next.** NOTE: LED Strips can be cut every third LED if you need shorter lengths.

Single Zone LED Controller: One feeder cable (shown above in red) runs to the front. One feeder cable runs to the back.
Dual Zone LED Controller: Two feeder cables run to the front; one for each zone. Two feeder cables run to the rear; one for each zone. With the dual zone configuration you'll need to mark the feeder cables so you know which is which. Connect the LED strips you want to work on Zone 1 to the feeder cable attached to Zone 1. Repeat the process for the LED strips for Zone 2.

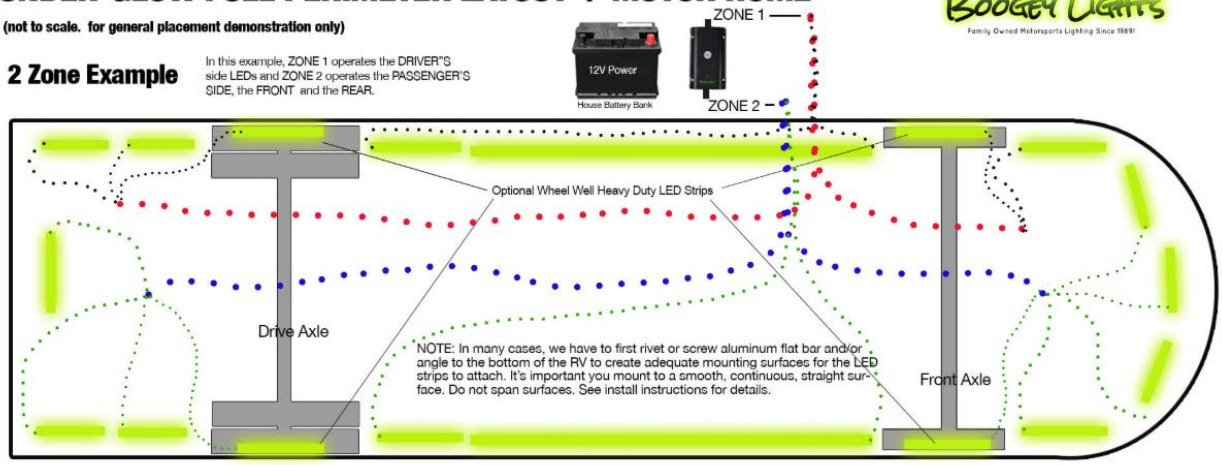
1 Nov 2023

UNDER-GLOW FULL PERIMETER LAYOUT | MOTOR HOME

(not to scale. for general placement demonstration only)

2 Zone Example

In this example, ZONE 1 operates the DRIVER"S side LEDs and ZONE 2 operates the PASSENGER'S SIDE, the FRONT and the REAR.



All power leads must run back to the Boogey Lights LED controller mounted at or near the 12vdc power source. We always recommend using the house batteries as the power source. **IMPORTANT! LED strips can not "daisy chain" from one strip to the next.** NOTE: LED Strips can be cut every third LED if you need shorter lengths.

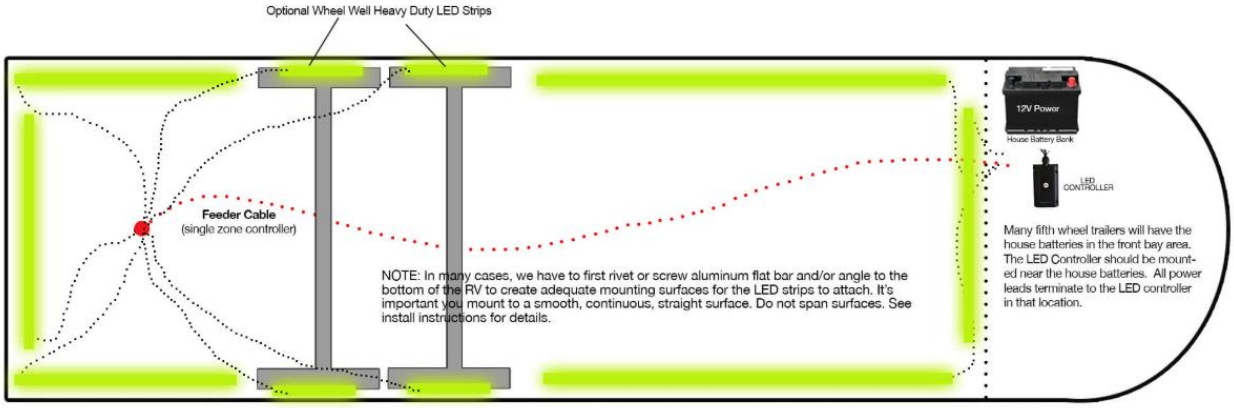
Single Zone LED Controller: One feeder cable runs to the front. One feeder cable runs to the back.
Dual Zone LED Controller: Two feeder cables run to the front; one for each zone (Red = Zone 1. Blue = Zone 2 in the diagram above). Two feeder cables run to the rear; one for each zone (Red = Zone 1. Blue = Zone 2). With the dual zone configuration you'll need to mark the feeder cables so you know which is which. Connect the LED strips you want to work on Zone 1 to the feeder cable attached to Zone 1. Repeat the process for the LED strips for Zone 2.

1 Nov 2023

UNDER-GLOW FULL PERIMETER LAYOUT | FIFTH WHEEL TRAILER

(not to scale. for general placement demonstration only)

DOUBLE AXLE



All power leads must run back to the Boogey Lights LED controller mounted at or near the 12vdc power source. We always recommend using the house batteries as the power source. **IMPORTANT! LED strips can not "daisy chain" from one strip to the next.** NOTE: LED Strips can be cut every third LED if you need shorter lengths.

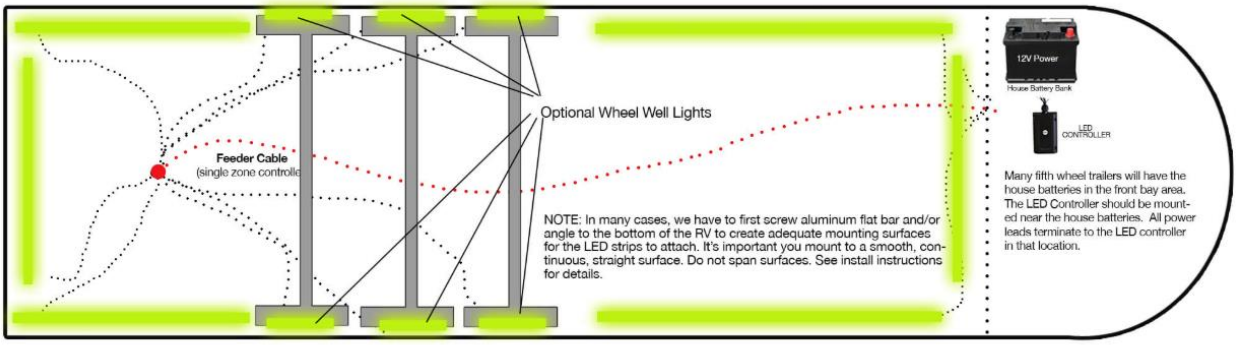
Single Zone LED Controller: One feeder cable (shown above in red) runs to the rear.
Dual Zone LED Controller: Two feeder cables run to the rear; one for each zone. With the dual zone configuration you'll need to mark the feeder cables so you know which is which. Connect the LED strips you want to work on Zone 1 to the feeder cable attached to Zone 1. Repeat the process for the LED strips for Zone 2.

1 Nov 2023

UNDER-GLOW FULL PERIMETER LAYOUT | FIFTH WHEEL TRAILER

(not to scale. for general placement demonstration only)

Triple Axel



All power leads must run back to the Boogey Lights LED controller mounted at or near the 12vdc power source. We always recommend using the house batteries as the power source. **IMPORTANT! LED strips can not "daisy chain" from one strip to the next.** NOTE: LED Strips can be cut every third LED if you need shorter lengths.

Single Zone LED Controller: One feeder cable (shown above in red) runs to the rear.
Dual Zone LED Controller: Two feeder cables run to the rear; one for each zone. With the dual zone configuration you'll need to mark the feeder cables so you know which is which. Connect the LED strips you want to work on Zone 1 to the feeder cable attached to Zone 1. Repeat the process for the LED strips for Zone 2.

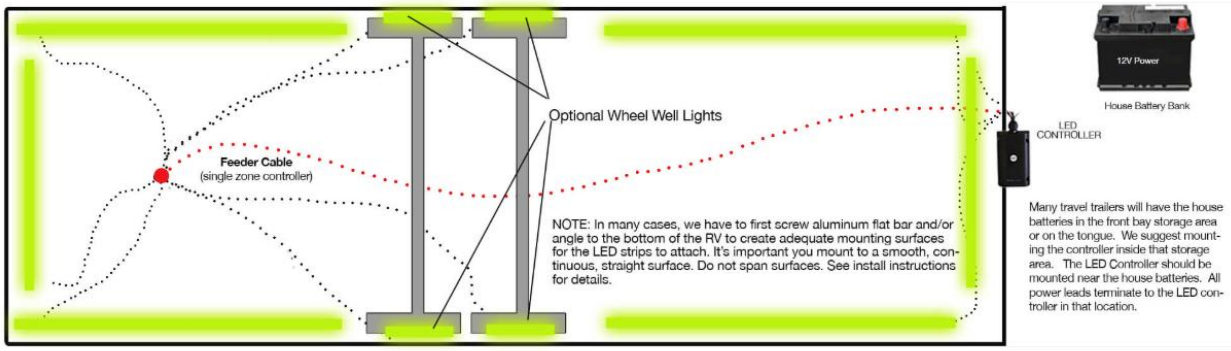
1 Nov 2023

UNDER-GLOW FULL PERIMETER LAYOUT | TRAVEL TRAILER

(not to scale. for general placement demonstration only)

Double Axle

The wiring plan for a travel trailer is the same as a fifth wheel trailer. What can be different is the location of the house batteries. Some travel trailers have the battery stored on the tongue of the trailer vs in a storage compartment. The LED controller should be mounted inside the trailer regardless.



All power leads must run back to the Boogey Lights LED controller mounted at or near the 12vdc power source. We always recommend using the house batteries as the power source. **IMPORTANT! LED strips can not "daisy chain" from one strip to the next.** NOTE: LED Strips can be cut every third LED if you need shorter lengths.

Single Zone LED Controller: One feeder cable (shown above in red) runs to the rear.
Dual Zone LED Controller: Two feeder cables run to the rear; one for each zone. With the dual zone configuration you'll need to mark the feeder cables so you know which is which. Connect the LED strips you want to work on Zone 1 to the feeder cable attached to Zone 1. Repeat the process for the LED strips for Zone 2.

1 Nov 2023