

# POWER LEAD WIRE JACKET COLORS

This key matches the power lead wire jacket colors to the LED diode colors in the LED strip. The wire jacket colors are different based on the LED strip type (Low Profile vs Heavy Duty) and LED color configuration (RGB, RGBA, RGBW). We urge you to bench test each LED strip before installing to double-check the color relationships. If you don't know how to bench test, download this pdf:

<https://docs.boogeylights.net/?wpdmdl=1305>

## LOW PROFILE LED Strips

### RGB Low Profile LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Green Diodes (12vdc +)
- White Wire\* = Blue Diodes (12vdc +)

\* **This is not a misprint.** On RGB Low Profile LED strips, the white power lead wire connects to the BLUE DIODES in the LED strip. If you bench test the LED strip as we suggest, you'll see this to be the case.

### RGBW Low Profile LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Green Diodes (12vdc +)
- Blue Wire = Blue Diodes (12vdc +)
- White Wire = White Diodes (12vdc +)
- Brown Wire = not used

### RGBA Low Profile LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Green Diodes (12vdc +)
- Blue Wire = Blue Diodes (12vdc +)
- Brown Wire = Amber Diodes (12vdc +)
- White Wire = not used

## HEAVY DUTY LED Strips

### RGB Heavy Duty LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Green Diodes (12vdc +)
- Blue Wire = Blue Diodes (12vdc +)

### RGBW Heavy Duty LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Green Diodes (12vdc +)
- Blue Wire = Blue Diodes (12vdc +)
- Yellow Wire = White Diodes (12vdc +)

### RGBA Heavy Duty LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Green Diodes (12vdc +)
- Blue Wire = Blue Diodes (12vdc +)
- Yellow Wire = Amber Diodes (12vdc +)

### REDA Heavy Duty LED Strips

- Black Wire = Common Ground (12vdc -)
- Red Wire = Red Diodes (12vdc +)
- Green Wire = Red Diodes (12vdc +)
- Blue Wire = Red Diodes (12vdc +)
- Yellow Wire = Amber Diodes (12vdc +)

For two conductor Single Color LEDs, there will be two conductors (one positive and one negative). For Dual-Color LEDs, there will be three conductors: one negative and two positives (one positive for each of the dual colors). **The BLACK wire jacket is always the negative in the 12vdc world.** Any remaining wire jacket colors will be positive. If you have a Single-Color LED strip with four conductors such as what is used with our Tail-Turn-Brake add-on lights, there will be one negative (black) and three positives (or four positives if you have REDA or REDW). **In all cases, bench testing the LED strip will quickly determine which power lead wire jacket color powers which LED diode colors on the LED strip.**