# RIGID Industries 240603 Installation Instructions

Radiance Plus SR-Series 40 Inch, RGBW Backlight

Part number: 240603

trailfortress.com/rigid-industries-radiance-plus-sr-series-led-light-8-option-rgbw-backlight-40-inch-240603

Scan for fitment, price and install help

# INSTALLATION INSTRUCTIONS

# RADIANCE+ SR-SERIES®




***THESE INSTRUCTIONS ARE FOR THE FOLLOWING LIGHTS:**
**RADIANCE+ SR-SERIES**

## IMPORTANT

**THANK YOU FOR PURCHASING RIGID INDUSTRIES' PRODUCTS FOR YOUR VEHICLE.**
Please read through all of these Instructions and tips before proceeding with the installation.
We do our best to provide a simple installation process for all applications however
a professional installation is always recommended.

**Always disconnect any power sources connected to your vehicle before servicing fuses or electrical systems.**

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# IMPORTANT

1. Radiance lights are designed to operate from 9V-15V only. Using this product on a 24V or higher system will cause permanent damage to electrical components.

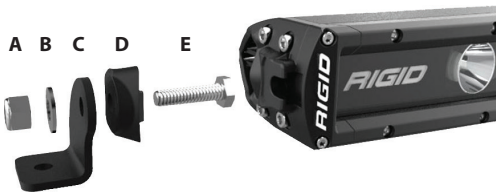
2. Back lighting and forward projecting LED's are intended for off-road use only.

# MOUNTING INSTRUCTIONS

1. Insert mounting brackets onto light as shown below. Secure hardware to a snug position and mount your light in desired location.

2. The 10" light bars include bolts that slide into each side of light housing before compression spacers and brackets are attached for mounting.

A - 1/4" Nylon Locknut (2)
B - 1/4" Flat Washer (2)
C - Mounting Bracket (2)
D - Compression Spacer (2)
E - 1/4" Bolt (2)

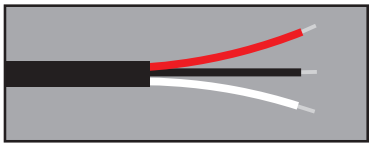



# WIRING HARNESS (SOLD SEPARATELY)



RIGID Radiance Harness
Includes: (2) Switches, (1) In-Line Fuse,
(1) Relay, and battery leads
**Part# 40200**

# WIRING INSTRUCTIONS



RED WIRE = PROJECTING TRIGGER

BLACK WIRE = GROUND

WHITE WIRE = BACK LIGHTING TRIGGER

**IMPORTANT**
**Always disconnect the vehicle battery terminals before servicing the electrical system**

1. When routing wires through any metal or abrasive surfaces, be sure the surface is free of any sharp edges.

2. Match the light pigtail to the harness colors: Red to Red (Forward projecting LED +12v trigger), White to White (back-lighting LED +12v trigger), and Black to Black (shared ground).

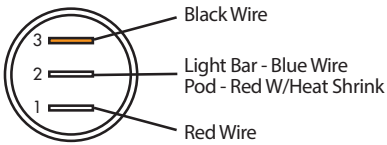
3. Use butt connectors with appropriate wire AWG (see below):

# WIRING INSTRUCTIONS (CONTINUED)

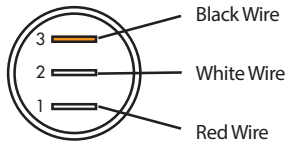
4. Find a desired location for switches and drill a 3/4" hole for each switch

5. Switch leads are wired independently from another so 1 switch will turn on forward projecting LED's (LIGHT BAR = blue trigger wire at switch. POD = red trigger wire at switch) and 1 switch will turn on back lighting LEDs (white trigger wire at switch) refer to switch wiring diagram to ensure proper connections at switch.

**FORWARD PROJECTING LED'S**




**BACK-LIGHTING LED'S**




6. Route main power and ground leads from the harness to the battery terminals and attach the RED lead to battery +12v and the BLACK lead directly to the battery ground.

7. Refer to fuse chart to ensure proper fuse size is used based on the light length

8. Reconnect the negative battery terminal and turn switches on to verify lights are working

**FUSE CHART**

| | Forward Projecting Circuit | Back-Lighting Circuit |
|---|---|---|
| **10"** | 10 amp | 3 |
| **20"** | 15 amp | 3 |
| **30"** | 20 amp | 3 |
| **40"** | 25 amp | 3 |
| **50"** | 30 amp | 3 |

# FUNCTIONALITY

The Radiance+ SR-Series utilizes switch logic to change back light colors. To choose from one of the 8 available back light color options:
- Switch back light on-off-on-off within less than 1 second
- Continue switching off and on until desired color is selected
- Once desired color is selected, keep back light on for more than 1 second to save color - back light color is locked in until process is repeated

Order of backlight colors:

- Blue
- Purple
- Red
- Amber
- White
- Green
- Light blue
- Rotating color mode

**Your installation is now complete.**

# Welcome to the RIGID Nation!

## WARRANTY INFORMATION

For warranty information, visit www.rigidindustries.com/about/warranty

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www.rigidindustries.com

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