Solid Apollo LED
Where light meets perfection

ETL LISTED | 120 VAC | FIELD CUTTABLE | SIDE BENDING | IP65 RATED | COLOR CHANGING —RGB— | DIMMABLE

RGB FLEX NEON LED STRIP LIGHT 120V AC
SKU: SA-NLS-RGB
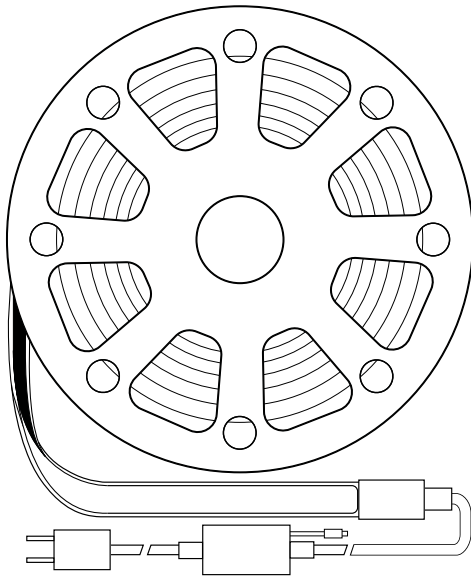
Product Description

RGB Flex Color Changing Neon LED strip lights create the look and feel of eye-catching neon lights using energy saving LEDs. No more expensive and dangerous high voltage lighting required to enjoy the amazing colors of neon lights. Neon LED strips are safer, flexible, and more affordable, coming in lengths as short as 18" up to 165 continuous feet on one plug. RGB Flex Neon includes an infrared remote for control of brightness levels and the choice of eight static colors: red, green, blue, white, orange, yellow, cyan, and purple. Customize the look and feel with six fading color changing programs and two adjustable speeds. This neon LED strip runs on any A/C wall outlet, bringing the ability to add the look of neon lighting virtually anywhere at low cost and with no professional assistance. Compared to traditional neon lighting with dangerous gases, custom fixtures, and high voltage energy transformers, Neon LEDs are safe and flexible with a bend radius as small as 3" and come ready to plug in right out of the box. Neon LED strip lights come fully sealed in silicone tubing to protect the strip from the elements. The tubing is UV protected and waterproof rated at IP65 for the toughest outdoor applications including outdoor commercial lighting, hospitality lighting, architectural lighting, landscape lighting, and deck/patio lighting.
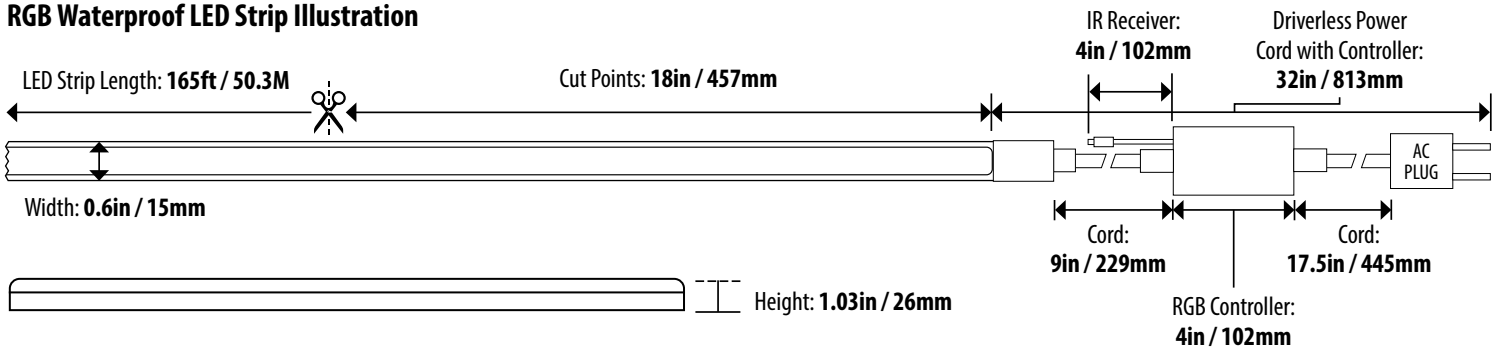
- ETL Listed for Safety and Durability
- No high voltage transformers needed
- Operates at low voltage of 2.5w/f
- No dangerous neon gases
- Each purchase includes power cord and end cap installed
- Installs in seconds

- No wires to cut and solder
- Up to 165' with just one plug
- High grade waterproof silicone housing for added protection (IP65 rating)
- Great for indoor and outdoor projects
- Includes an Infrared Remote
- Ready to plug and play

- Cut points every 18" (45.72cm)
- Change colors with the Infrared Remote
- Control brightness level
- Shuffle through 6 color changing programs
- 2 adjustable speeds

up to
165ft

22 TOTAL
LEDS/FOOT

Quick Spec.

• **Fully Dimmable:**	Yes, by Infrared Remote	• **PCB Width:**	0.71in / 18mm	
• **Voltage:**	120V AC	• **Dimensions:**	1980in x 0.6in x 1.03in	
• **Total Wattage:**	400W	• **Working Temperature:**	-10º to 140ºF	
		• **Certifications:**	ETL Certified	

RGB Waterproof LED Strip Illustration

IR Receiver: **4in / 102mm**
Driverless Power Cord with Controller: **32in / 813mm**

LED Strip Length: **165ft / 50.3M**
Cut Points: **18in / 457mm**

Width: **0.6in / 15mm**

AC PLUG

Cord: **9in / 229mm**
Cord: **17.5in / 445mm**
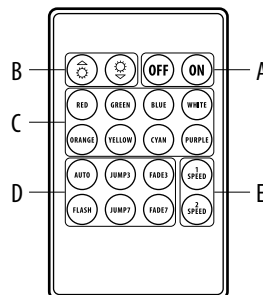
Height: **1.03in / 26mm**

RGB Controller: **4in / 102mm**

Technical Diagrams

BUTTON CONTROLS
A - On/off power control
B - Increase/decrease brightness levels
C - Eight static colors
D - Six color changing programs
E - Two adjustable speed programs

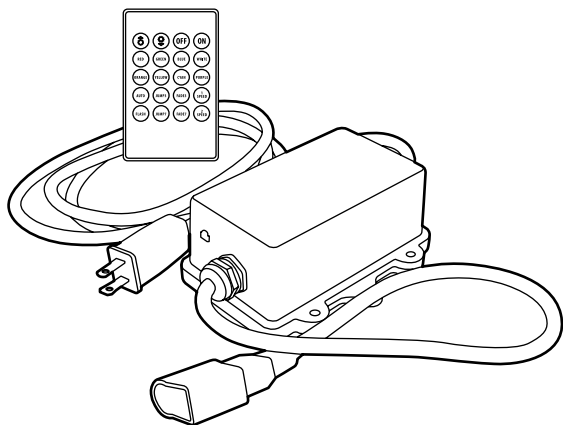### REMOTE SIZE
Height: 0.25in
Length: 3.31in
Width: 2in

B — [brightness up] [brightness down] [OFF] [ON] — A
C — RED GREEN BLUE WHITE / ORANGE YELLOW CYAN PURPLE
D — AUTO JUMP3 FADE3 SPEED / FLASH JUMP7 FADE7 SPEED — E

RGB FLEX NEON LED STRIP LIGHT 120V AC ACCESSORIES
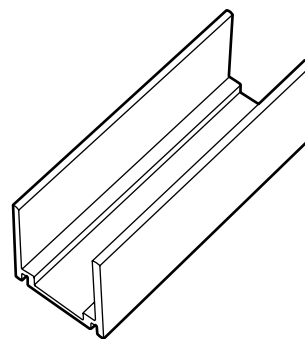
Waterproof RGB Controller

**120V AC Waterproof RGB LED Controller for
RGB Driverless LED Strip Light with IR Remote**
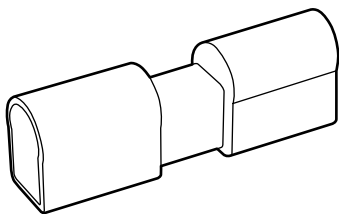SKU: SA-DLS-RGB-IR-REMOTE-CNTRL-IP65

Brackets
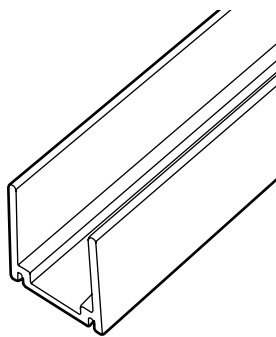
**78" Bracket for
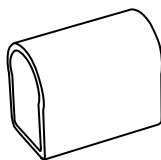RGB Neon LED Strip Light**
SKU: SA-NLS-BRACKET-RGB-78

**2" Bracket for
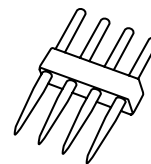RGB Neon LED Strip Light**
SKU: SA-NLS-BRACKET-RGB

Accessories
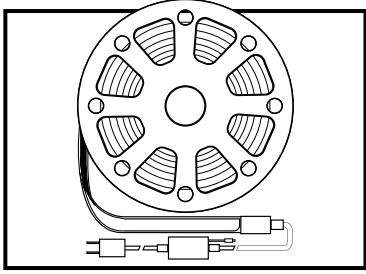
Joiner for RGB Neon LED Strip Light
SKU: SA-NLS-JOIN-RGB

End Cap for RGB Neon LED Strip Light
SKU: SA-NLS-ENDCAP-RGB

Prong for RGB Neon LED Strip Light
SKU: SA-NLS-PRONG-RGB

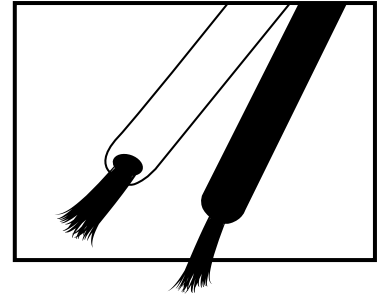# **RGB** FLEX NEON LED STRIP LIGHT 120V AC INSTALLATION GUIDE
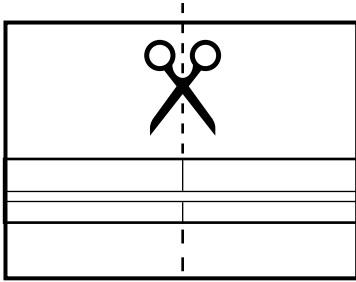
1. Determine where to install the Neon LED.

2. Determine the measurement of area where the Neon will be placed.
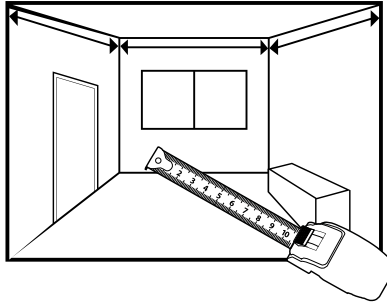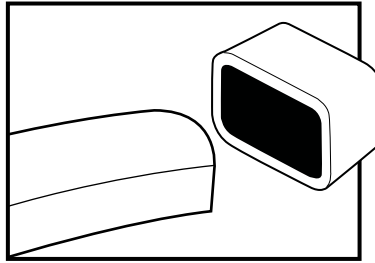
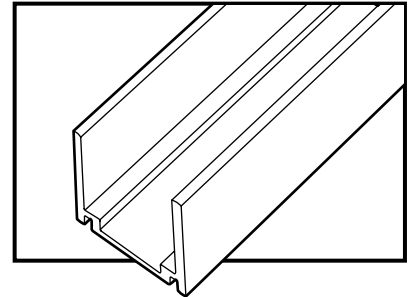**3.** If needed, cut additional wire (extending Neon to dimmer).

4. A. Cut Neon (at cutting points) to fit or join multiple sections as recommended to cover installation area.
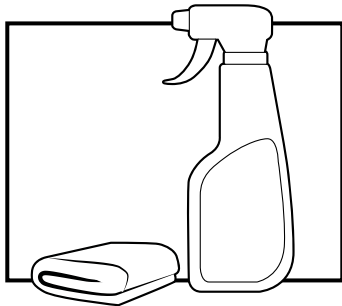
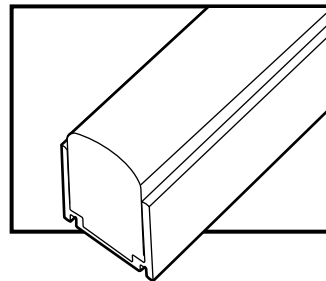**B.** If Neon is cut, ensure proper re-waterproofing with an end cap and PVC cement.

5. If using channels, cut or extend them to fit the size of the installation area.
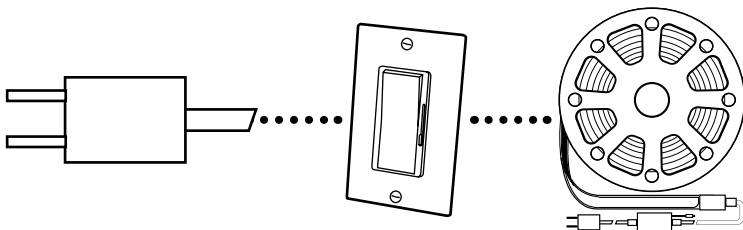
6. Thoroughly clean the surface where the Neon will be mounted.

7. If using channels, mount the channel to the surface and gently push the Neon in to the mounted channel.

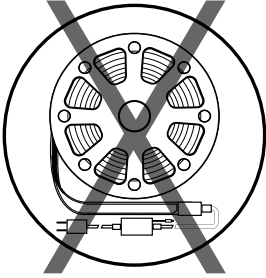**8.** Complete the connection/wiring between the plug, optional dimmer, and LED Strips.
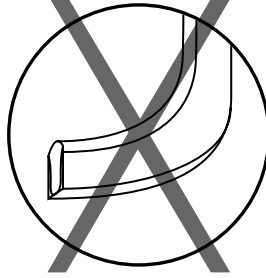
9. Power up and enjoy!

Note: If you have questions and concerns regarding the installation process. Please feel free to contact us at 425.582.7533. We will gladly assist you.

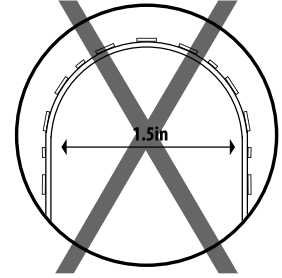# RGB FLEX NEON LED STRIP LIGHT 120V AC WARNINGS

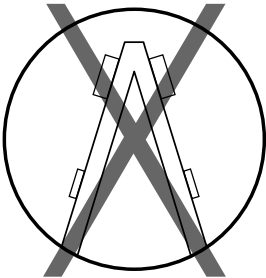**Do not** power Neon LED still coiled in spool.

Do not bend Neon LED up and down. This light is **SIDE BENDING** only.
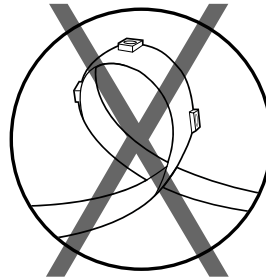
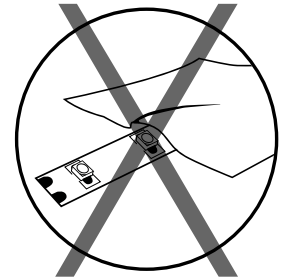**Do not** bend Neon LED to a diameter less than 1.5 inches.
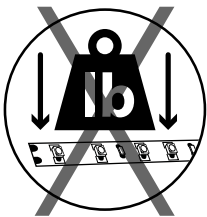
1.5in

Do not fold or creaseNeon LED.
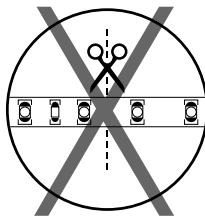
Do not twist Neon LED.

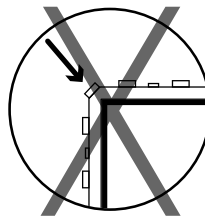**Do not** cover Neon LED with anything other than LED Channel Diffusers.

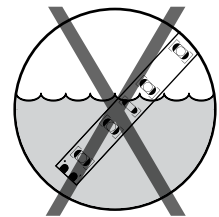**Do not** put direct excessive pressure on the Neon LED surface.

Do not cut Neon LED except at designated cutting points.

Do not position LED at an angled surface where it is pressed.

Do not submerge Neon LED lights.

RGB FLEX NEON LED STRIP LIGHT 120V AC SAFETY & WARRANTY

Safety / Disclosures

1. Install in accordance with the proper installation procedure (See pg. 3).

2. Install in accordance with your national or local electrical code regulations.

3. Suitable for wet locations (IP65 Rated).

4. Do not expose to heat more than the specified temperature ratings.

5. Only install with the required 120V AC plug.

6. Use a separate power feed for each recommended maximum run.

7. Only use cables that are certified for use with external connection of electrical equipment and rated for at least 80°C (176°F)

8. Do not mishandle product or modify beyond the guidelines given as this may void product warranty.

9. Only use with the recommended waterproof accessories and ensure complete waterproofing of any modified sections of the strip.

10. Only use the recommended waterproof accessories and wires to connect between LED strip light, driver, controller, and other devices in between.

11. The output color of the LED Strips may have slight variation from that of the pictures on this document or website due to photo rendering limitations.

12. Design improvements and modification of the products could happen from to time and we reserve the right to do these improvements necessary without any prior notice.

Warranty

The **RGB** Driverless 120V AC LED Strip Lights come with a 2-year limited warranty from the date it is shipped to the customer. This warranty covers the product as long as it is used for the designed purpose and normally operated unless otherwise stated.

Please visit www.solidapollo.com/returns-amp-warranty.html for the complete warranty details on the product. For any additional questions about product warranty, feel free to contact customer support at *425.582.7533*.