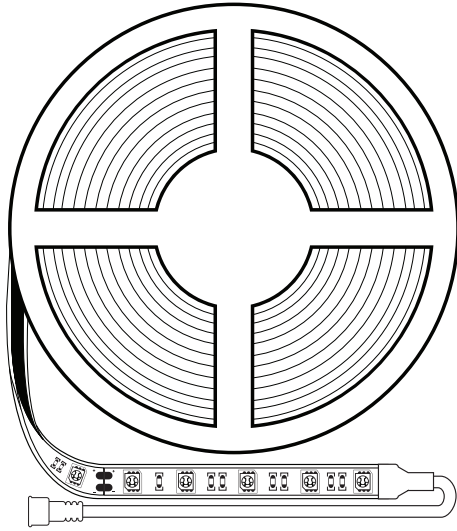# Solid Apollo LED
Where light meets perfection

RGB WATERPROOF COLOR CHANGING LED STRIP LIGHT

Product Description

Solid Apollo's Waterproof RGB Color-changing LED Strip Lights are designed with the ability to create millions of different colors by mixing Red, Blue, and Green light. Depending on the model, the Waterproof RGB Strip can have 150, 300, or 600 LEDs per 16.4 feet spool. Each LED is a 5050 SMD (Surface Mounted Diode) and contains a Red, Blue, and Green chip that can be controlled and mixed to produce any color in the color spectrum. The strips are waterproofed with a high-end silicon formula that includes chemicals that protect against UV rays from the sun and other environmental elements. A heavy-duty double-sided tape is built into the back of the strips to enable them to be easily stuck to any surface including bricks and rough surfaces.

When used with Solid Apollo's Waterproof RGB Controllers, the Waterproof RGB Strips can be controlled to create many color-changing scenes including fade, chase, flash, and strobe effects. Solid Apollo's Waterproof RGB Strips are available in various wattage options and they are an excellent choice for any outdoor decoration and entertainment lighting. Some features of the Strips include:

- Waterproof IP67 rated.
- Suitable for wet locations.
- UL listed for Safety and Durability.
- Create Millions of different colors easily.
- Ability to create personalized colors and scenes.
- Available in 36W, 72W, and 144W power options.
- Small cut points every 2" to 6" (depending on Strip model).
- Easy installation with an already mounted 3M double-sided tape.
- Fully controllable with a wide range of Solid Apollo's RGBW Controllers.
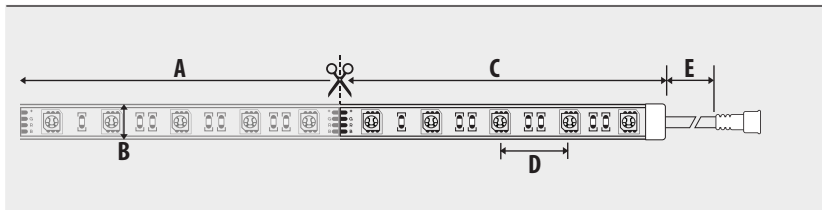
16.4ft

**150** LEDs | **300** LEDs | **600** LEDs

Quick Spec.

- **Fully Dimmable:** Yes
- **Voltage:** 24V DC
- **Total Wattage:** 36W -144W
- **Beam Angle:** 120º

- **UL Listing #:** E493881
- **PCB Width:** 12mm / 0.47in – 23mm/0.90in
- **LED Strip Length :** 16.4ft /196.8in
- **Working Temperature:** -4º to 122ºF

Waterproof RGB 5050 36W

A. LED Strip Length: **16.4ft / 5M**
B. LED Strip Width: **0.47in / 12mm**
C. Cut Point: **6.5in / 166mm**
D. Between LEDs: **1.3in / 33mm**
E. Cable Length: **11in / 279mm**
　　Strip Height: **0.22in / 5mm**
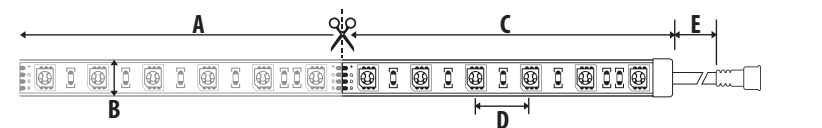
Waterproof RGB 5050 72W

A. LED Strip Length: **16.4ft / 5M**
B. LED Strip Width: **0.47in / 12mm**
C. Cut Point: **3.9in / 100mm**
D. Between LEDs: **0.69in / 17mm**
E. Cable Length: **11in / 279mm**
　　Strip Height: **0.22in / 5mm**
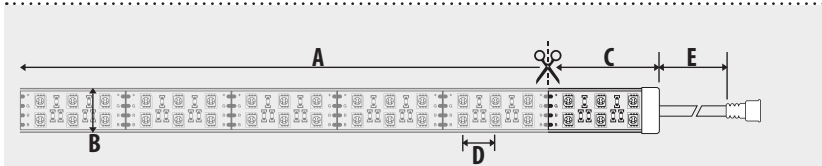
Waterproof RGB 5050 144W

A. LED Strip Length: **16.4ft / 5M**
B. LED Strip Width: **0.90in / 23mm**
C. Cut Point: **1.9in / 48mm**
D. Between LEDs: **0.66in / 16mm**
E. Cable Length: **11in / 279mm**
　　Strip Height: **0.22in / 5mm**

Technical Information

| Available LED Color	SKU#	LEDs/ft	Total LEDs	Max Wattage	LED Type	PCB Width	Minimum Cut
Waterproof RGB 5050 36W	SA-LS-RGB-5050-180-IP67-24V	9	150	36W	SMD 5050	12mm	6.5in / 166mm
Waterproof RGB 5050 72W	SA-LS-RGB-5050-300-IP67-24V	18	300	72W	SMD 5050	12mm	3.9in / 100mm
Waterproof RGB 5050 144W	SA-LS-RGB-5050-300-IP67-24V	36	600	144W	SMD 5050	23mm	1.9in / 48mm

RGB Controllers
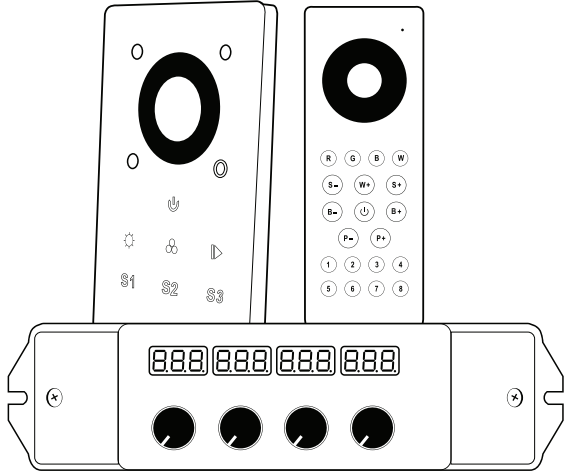
LED Strip Connectors
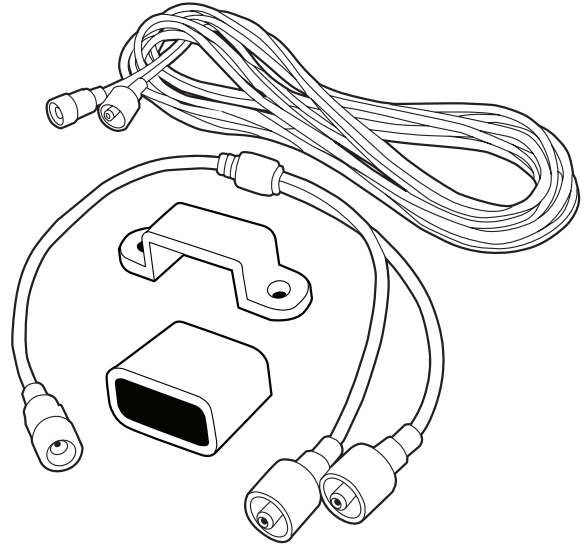
Power Supplies
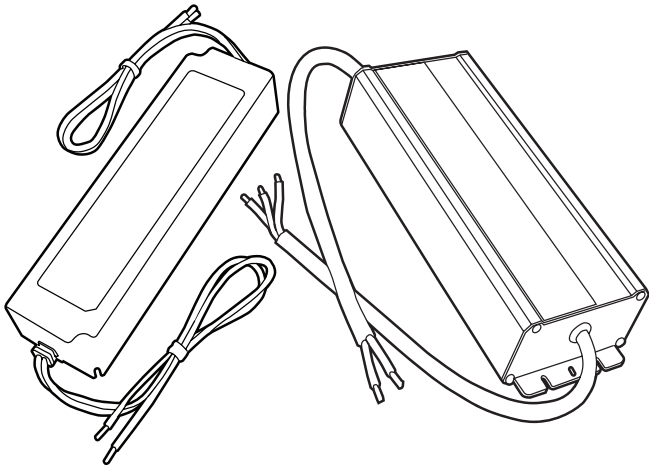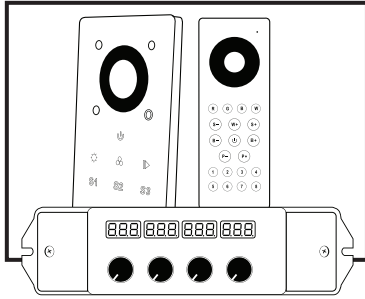

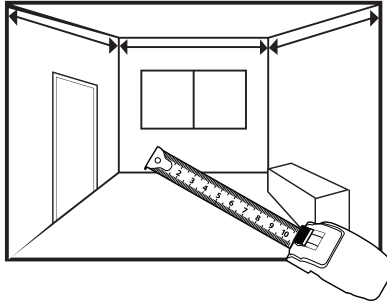## LED Strip Channels
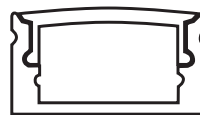
T12
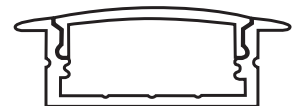
T20
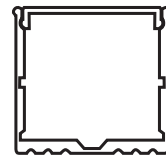
T30

RGB WATERPROOF COLOR CHANGING LED STRIP LIGHT INSTALLATION GUIDE
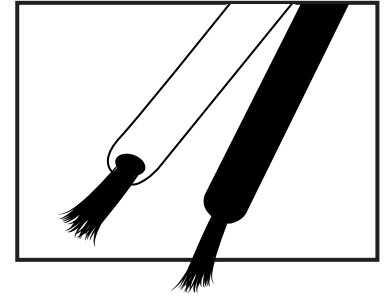
1. Determine where to install the Driver and optional Dimmer.
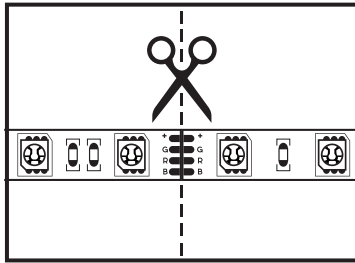
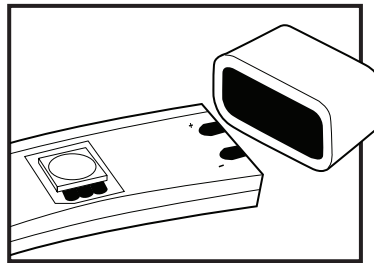**2.** Determine the measurement of area where LED Strip Lights will be placed.

3. Determine how much wire needed (Driver to Dimmer, Dimmer to LED Strips).
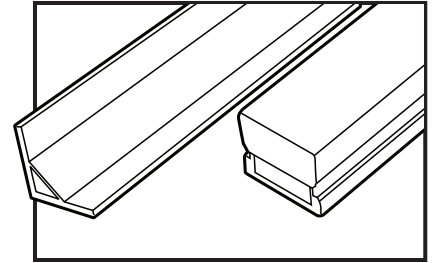
4. A. Cut LED Strip Lights (at cutting points) to fit or Join multiple Strips as recommended to cover installation area.

B. If strip is cut, ensure proper re-waterproofing with an Endcap and silicon glue surface.
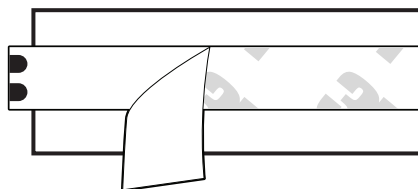
5. If using Channels, cut or extend them to fit size of the installation area
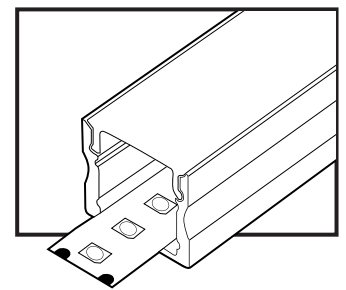
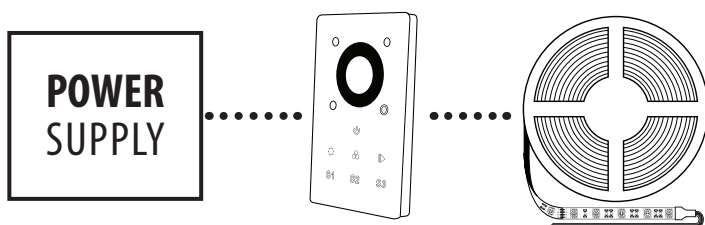**6.** Thoroughly clean the surface where the LED Strip will be mounted.

7. A. Peel the 3M Tape cover from the back of the LED Strips and mount it on surface.

B. If using Channels, mount the LED Strip in the Channel and mount it to the desired surface.

8. Complete the connection/wiring between the Power Supply, optional dimmer and LED Strips.
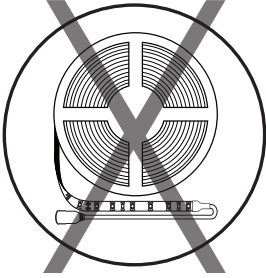
POWER SUPPLY
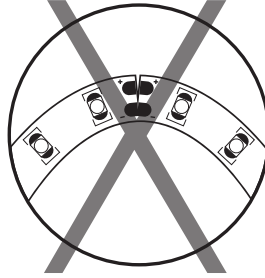
9. Power up and enjoy!

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.

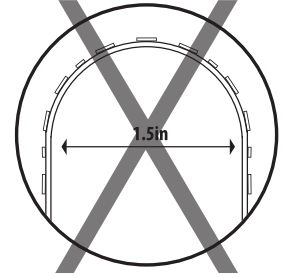# **RGB** WATERPROOF COLOR CHANGING LED STRIP LIGHT WARNINGS
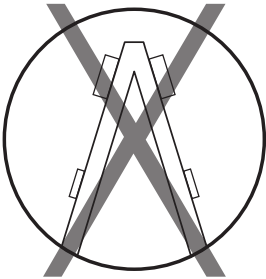
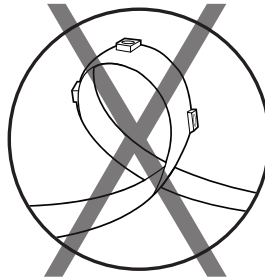**Do not** power LED Strip still coiled in spool.

Do not bend LED Strip sideways.

Do not bend LED strips to a diameter less than 1.5 inches.
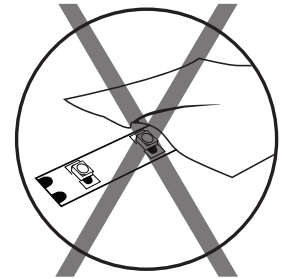
1.5in

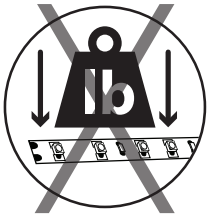**Do not** fold or crease LED Strip.

Do not twist LED Strip.

Do not cover LED Strip with anything other than LED Channel Diffusers.

Do not put direct excessive pressure on the LED surface.

lb

Do not cut LED Strips except at designated cutting points.
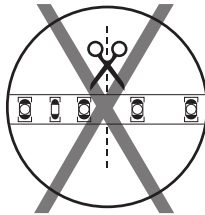
Do not position LED at an angled surface where it is pressed.
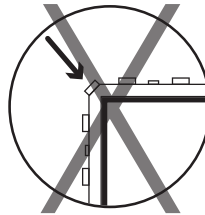
Do not submerge LED Strip Lights.

Do not connect or interconnect more than 16 feet (5 meters) of LED Strip to one Power Feed.

POWER SUPPLY

Receiver

16ft   **16**ft   **16**ft

POWER SUPPLY

Receiver

16ft   **16**ft   **16**ft

RGB WATERPROOF COLOR CHANGING LED STRIP LIGHT SAFETY & WARRANTY

Safety / Disclosures

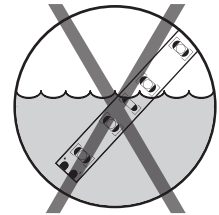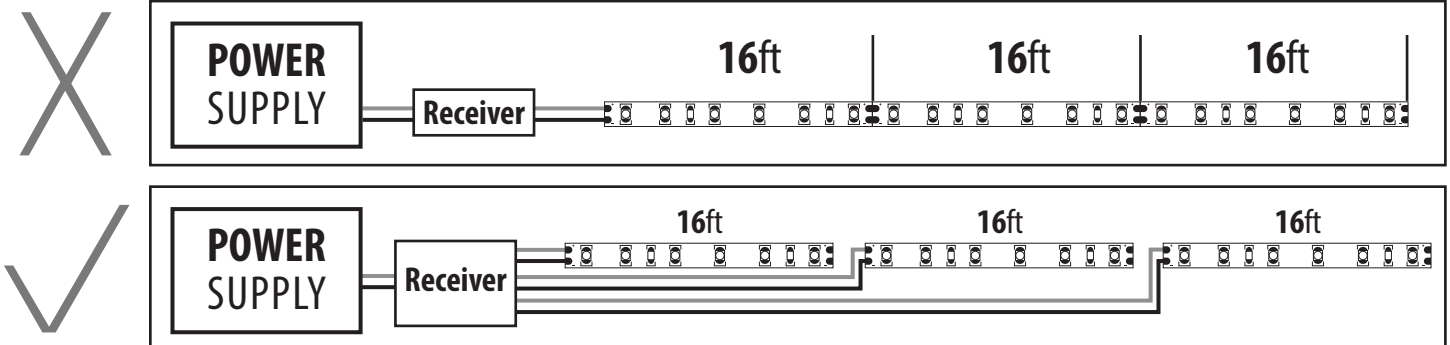1. Install in accordance with the proper installation procedure (See pg. 3).

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

3. Suitable for wet locations (IP67 Rated).

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

5. Only install with the required Driver/Power Supply – 24V DC Constant Voltage Driver.

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** Waterproof Color Changing LED Strip Lights come with a 5-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*.