Solid Apollo LED
Where light meets perfection

UL · RoHS compliant · 24 VDC · DIMMABLE · FIELD CUTTABLE · SIDE BENDING · IP67 WATERPROOF

DATA SHEET
NEONMAX 85W LED LIGHTS

Product Description

Solid Apollo's NeonMax is a state of the art neon strip simulating the effect and look of neon in a continuous well balanced light. This next generation bendable NeonMax strip is engineered for optimum performance, efficient energy use, and effortless maintenance over traditional glass neon.

The NeonMax is fully dimmable. It features a soft adaptable and flexible body with a completely diffused light output. This strip is side bending in the opposite direction as the light output and can easily curve and bend to create custom shapes and designs. With a width of less than half an inch, the NeonMax is made to deliver amazing neon effects in subtle and discreet areas such as the inside of crevices, in-wall applications, and long linear lighting.

- 20ft Spool
- Flexible & Cuttable
- Side Bending
- Cut Points Every 2in (RGB 3.9in)
- Fully Dimmable
- Features a 6.6ft Waterproof Cable w/ Female Barrel Connector

- Low Voltage Product at 24V - 85W Per Spool
- Fully Waterproof, Rated at IP67
- Indoor / Outdoor Application
- Product Comes Ready to Plug & Play
- Perfect for Accent Lighting, Linear Lighting and In-Wall Lighting

up to **720** LEDs
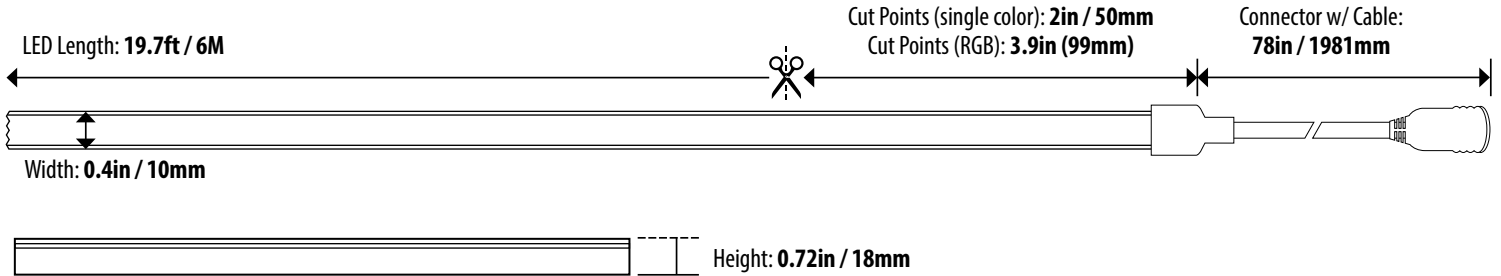**19.7ft**

UP TO **232+** LUMENS / FT

Quick Spec.

• **Fully Dimmable:**	Yes	• **Warranty:**	3 Years
• **Voltage:**	24V DC	• **Dimensions:**	236.2in x 0.4in x 0.72in
• **Beam Angle:**	113º	• **Working Temperature:**	-10º to 140ºF
• **LEDs per Foot:**	37 (RGB:18)	• **Certifications:**	UL, RoHS

NeonMax LED Illustration

LED Length: **19.7ft / 6M**

Cut Points (single color): **2in / 50mm**
Cut Points (RGB): **3.9in (99mm)**

Female Barrel
Connector w/ Cable:
78in / 1981mm

Width: **0.4in / 10mm**

Height: **0.72in / 18mm**

Technical Information

Available LED Color	SKU#	Temp (K)	Lumens / Ft.	LED Type	Total of LEDs	Color Rendering Index	Minimum Cut
Candlelight White	SA-NMAX-CLWW	2400K	198	SMD 2835	720	94+	2in / 50mm
Super Warm White	SA-NMAX-SWW	2700K	213	SMD 2835	720	93+	2in / 50mm
Warm White	SA-NMAX-WW	3000K	203	SMD 2835	720	95+	2in / 50mm
Daylight White	SA-NMAX-DLW	4000K	232	SMD 2835	720	94+	2in / 50mm
Natural White	SA-NMAX-NW	5000K	224	SMD 2835	720	95+	2in / 50mm
Red	SA-NMAX-RED	Red	N/A	SMD 2835	720	N/A	2in / 50mm
Green	SA-NMAX-GREEN	Green	N/A	SMD 2835	720	N/A	2in / 50mm
Blue	SA-NMAX-BLUE	Blue	N/A	SMD 2835	720	N/A	2in / 50mm
Amber	SA-NMAX-AMBER	Amber	N/A	SMD 2835	720	N/A	2in / 50mm
RGB	SA-NMAX-RGB	RGB	N/A	SMD 5050	360	N/A	3.9in / 99mm

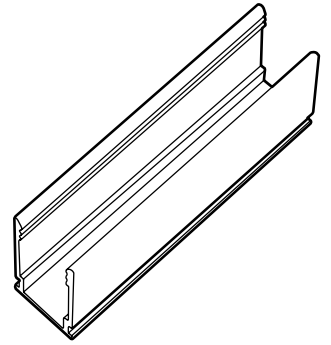# NEONMAX 85W LED LIGHTS ACCESSORIES
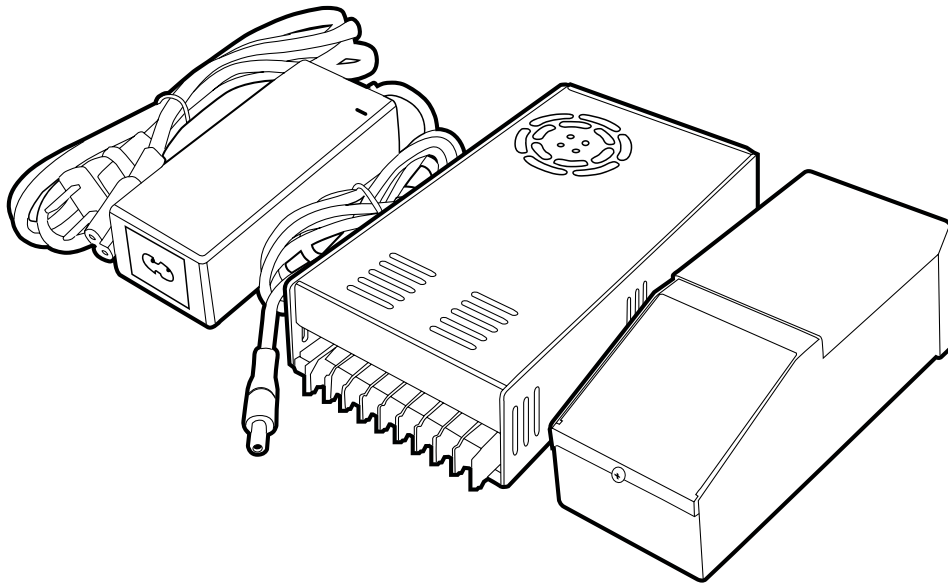
Dimmers and Controllers
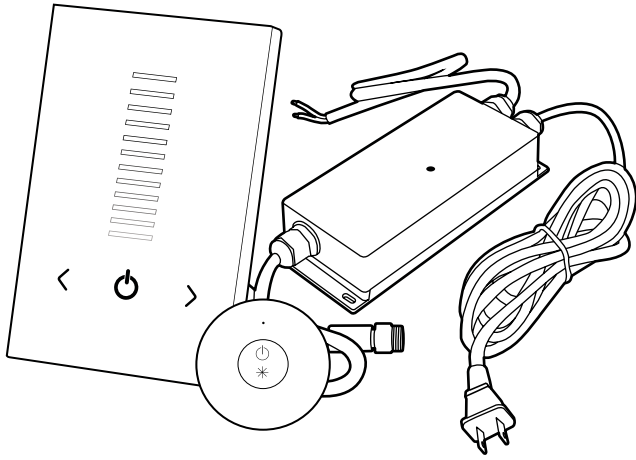
Brackets
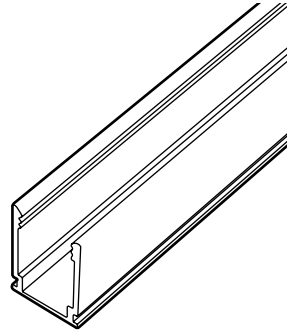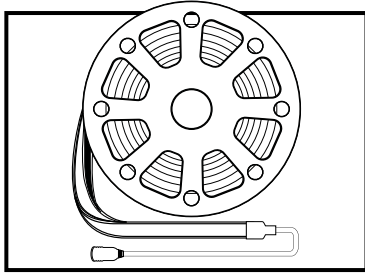
39" Bracket for LED NeonMax
SKU: SA-NMAX-BRACKET-39IN

Bracket for LED NeonMax
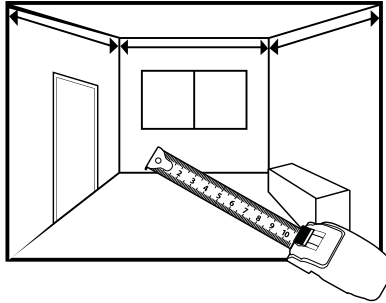SKU: SA-NMAX-BRACKET

Power Supplies

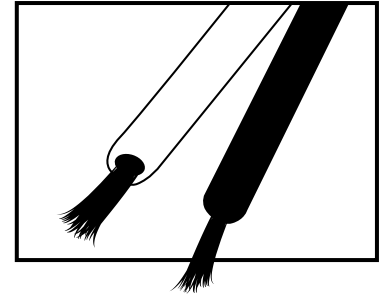# NEONMAX 85W LED LIGHTS INSTALLATION GUIDE
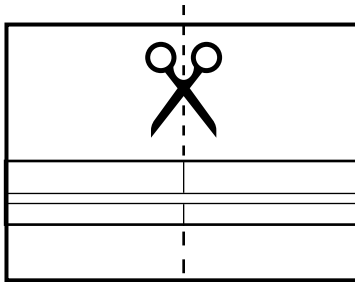
1. Determine where to install the Neon LED.

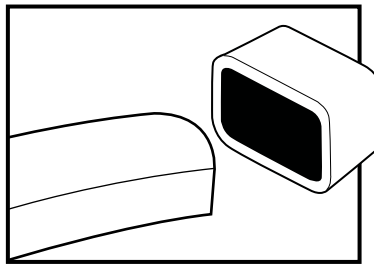**2.** Determine the measurement of area where the Neon will be placed.

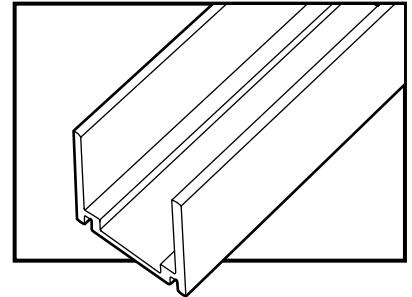**3.** If needed, cut additional wire (extending Neon to dimmer).

4. **A.** Cut Neon (at cutting points) to fit or join multiple sections as recommended to cover installation area.
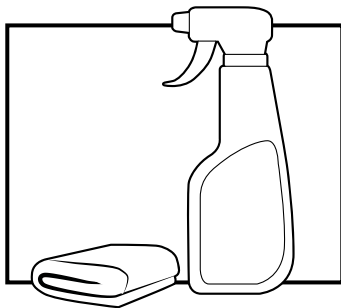
B. If Neon is cut, ensure proper re-waterproofing with an end cap and silicon glue.
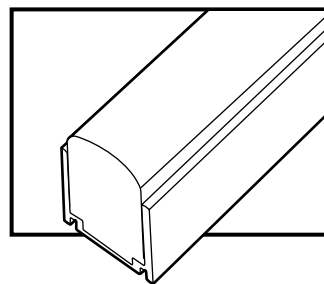
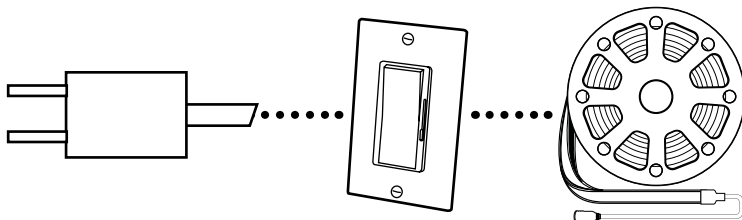**5.** If using channels, cut or extend them to fit the size of the installation area.

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.

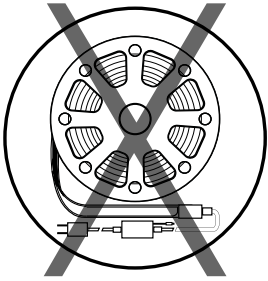**8.** Complete the connection/wiring between the plug, optional dimmer, and LED Strips.
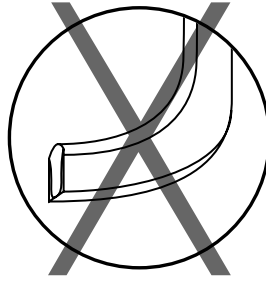
9. Power up and enjoy!

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.
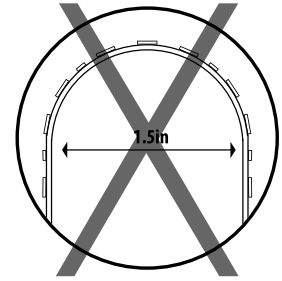
NEONMAX 85W LED LIGHTS WARNINGS

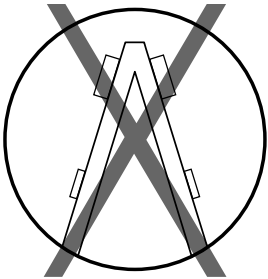**Do not** power Neon LED still coiled in spool.

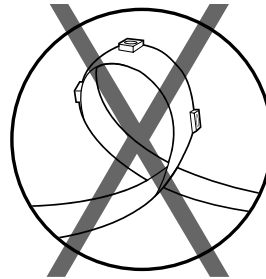**Do not** bend Neon LED up and down. This light is **SIDE BENDING** only.

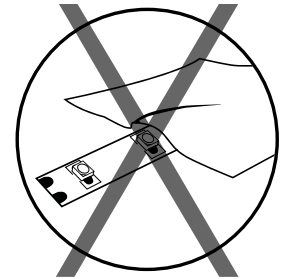**Do not** bend Neon LED to a diameter less than 1.5 inches.

1.5in

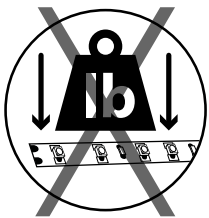**Do not** fold or creaseNeon LED.
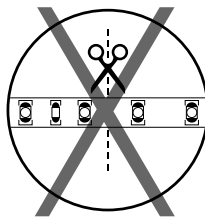
Do not twist Neon LED.

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

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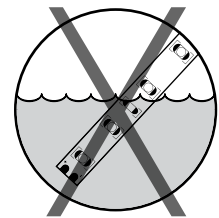
lb

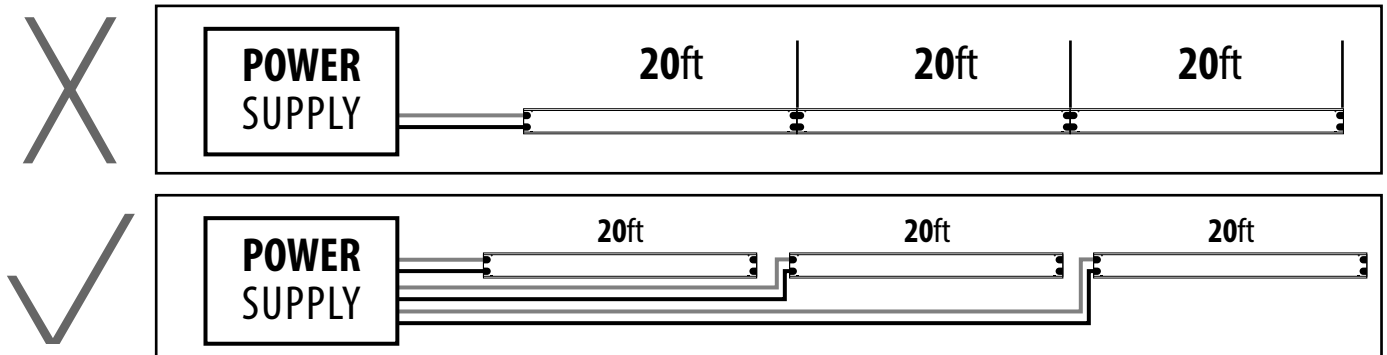**Do not** cut Neon LED except at designated cutting points.

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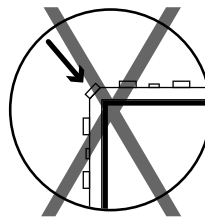
Do not submerge Neon LED lights.

Do not connect or interconnect more than 20 feet (6 meters) of LED Strip to one Power Feed.

| **POWER** SUPPLY | **20**ft | **20**ft | **20**ft |

| **POWER** SUPPLY | **20**ft | **20**ft | **20**ft |

NEONMAX 85W LED LIGHTS 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℃ (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 **NeonMax** 85W LED Lights come with a 3-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*.