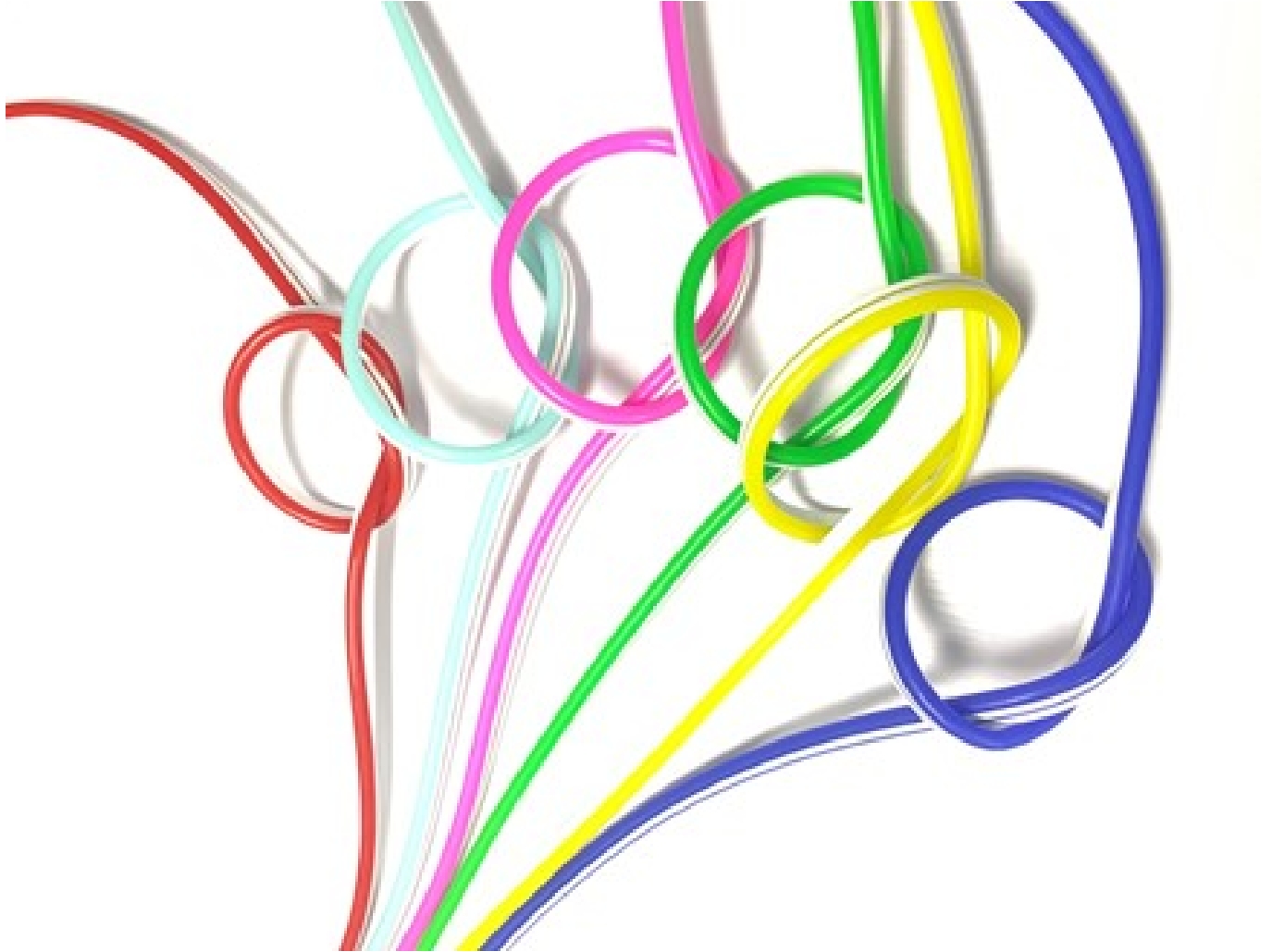


Shenzhen Vasten Lighting Co., LTD



Product Name: Silicone LED Flex Neon Light

Customer Confirm		Shenzhen Vasten Lighting Co., LTD	
Confirm	Approve	Confirm	Approve

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Product Introduction:

The LED substitute for Neon lighting has arrived. Our LED flex neon product looks like neon and can be used in architectural borders, pathway lighting, cover lighting, and signage just to name a few. The light emitting diode (LED) has been incorporated into a flexible and durable extruded SILICONE housing that has the appearance and brightness of traditional neon.

The LED flex neon rope light is not prone to damage from shock and vibration. LED flex neon rope light is also completely sealed so moisture is not an issue as well. It is suitable for indoor and outdoor application and can withstand extreme temperature.

Product Features:

❖ Flexibility

Same as the name is highly flexible plastic extrusion LED rope. It is very easy to shape various letters, patterns, trademark and Logos or other applications.

❖ Energy Saving

Using LED flex neon offers an increased efficiency over fluorescent, incandescent, and neon light sources. The led flex neon is ten to fifty times more energy efficient, thus reducing your operating costs by up to 90%.

❖ Easy to transport

LED Neon flex ropes with the minized size and light weight, easy to package and transport. Traditional Glass Neon is expensive on package and ship, because the fragility glass and heavy weight of support construction.

❖ Safety

Fabricated with Eco-friendly, UV-resistant silicone material V-2 flame retardant
Operates on 12V, or 24V, safe and reliable.

❖ Long Life and Durability

LED life is measured in years of performance, not the hours and months of traditional light sources. The LEDs use in the flex neon are rugged, solid state devices that are not susceptible to vibration. They can withstand far more abuse than glass based bulbs, while remaining functional.

❖ Bright color options

Flex neon are offered in white, green, blue, ice blue, lake blue, lemon yellow, red, orange, pink, purple, RGB color and even digital RGB chasing color

LED Flex Neon VS Traditional glass Neon:

Parameter	LED Flex Neon Rope Light Replacement	Ø8 Glass Neon	LED Flex Neon Rope Lights
	3Ft. White LED Flex Neon Rope Light	3Ft. White Common Ø8 Glass Neon	(Benefits) over Glass Neon
Light Source:	LED	Neon Gas Fluorescent	LED is solid state semi conductor technology which offers great benefits in energy savings and environmental protection

Input Voltage:	12V24V	3KV-18KV	LED Flex Neon Rope Light safely operates at 12, 24, 120 and 240 Volts. Glass neon often operates at 15,000 Volts producing lots of heat making it a fire hazard.
EMI (Electro Magnet Interference)	LOW	HIGH	LED Flex Neon Rope Light creates insignificant EMI compared to Glass Neon
Luminous Efficacy (Lm/W)	55.1	35	3% higher
Lm/Foot	110 Lm/Ft.	59.15 Lm/Ft.	LED Flex Neon Rope Light Lm/FT exceeds that of Glass Neon by as much as 6% with Red.
Environmental Considerations	No Mercury Pollution	Mercury Pollution	LED Flex Neon Rope Light is safe for the environment and the public as it contains no toxic materials like Mercury which is found in Glass Neon
Installation	Easy/Entry Skill Level	Difficult/Requires Master Craftsmanship Skill Level	LED Flex Neon Rope Light is flexible, and is easy to cut, bend, and shape, unlike Glass Neon which requires a master craftsman level of experience to produce, shape, and install.
Flexibility	Flexible	Rigid	LED Flex Neon Rope Light is a flexible solution that requires no heating to bend or shape.
Durability	Unbreakable	Breakable	LED Flex Neon Rope Light is made of high quality flame retardant PVC's and is flexible unlike Glass which shatters easily.
Warranty	36 Months Limited Warranty	No Warranty against Breakage	LED Flex Neon Rope Light is very dependable. Manufacture defects will be replaced for 36 months.



The Parameter of the LED Flexible Neon Rope

Part No					
LED Q'ty/m	120 pcs				
Input Voltage	12V DC				
Color	White	Red	Yellow	Green	Blue
Power/m	8W				
CCT/Wavelength	8000K	620nm	584nm	517nm	462nm
Luminous Flux/m	545lm	230lm	685lm	437lm	90lm
Working Length	10 m - two ends powered, 5 meter- one end powered				
Viewing Angle	180 degree				
IP grade	IP66				
Installation	Bracket, or Aluminum Channel, paste stick				
Cutable Length	25mm (black line in side view)				
Working Temp	-30 ~60°C				
Certification	CE, RoHS				
Warranty	24 month				

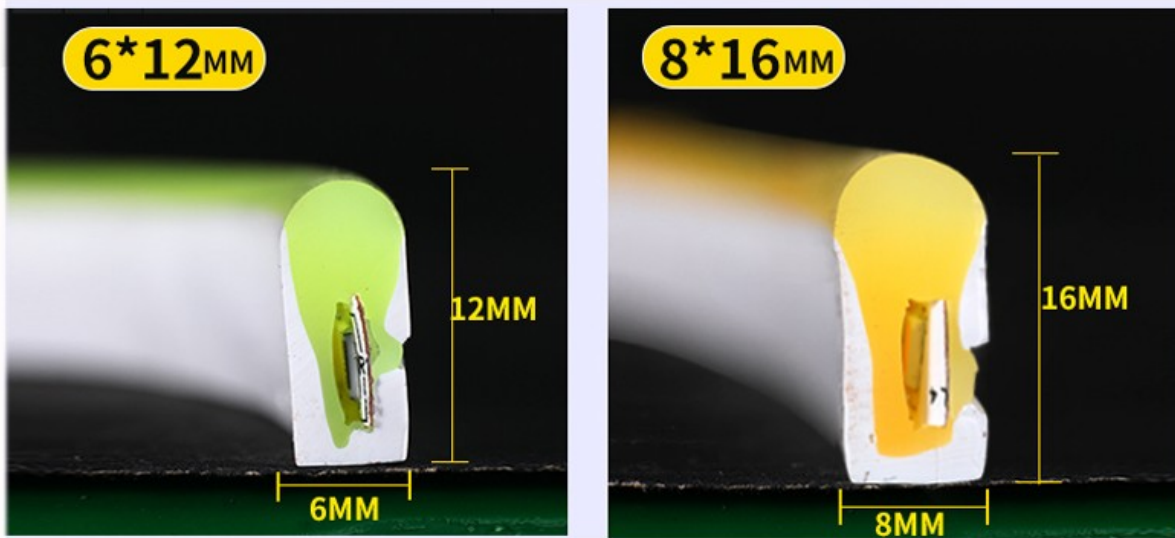
Available Color

Warm White, 2800-3200K, Day Light 4000-4500K, Blue, Ice Blue, Lake Blue, Lomen Yellow, Pink, Orange, Green, Purple, RGB and digital RGB



Dimensions Available

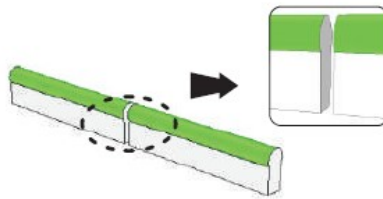
Size Information



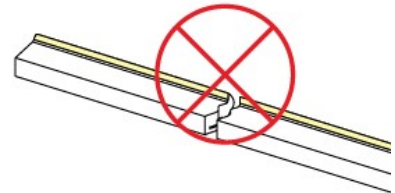
Warning



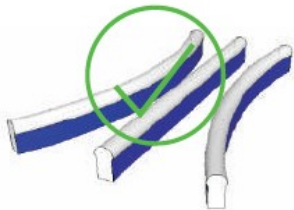
Cutable place



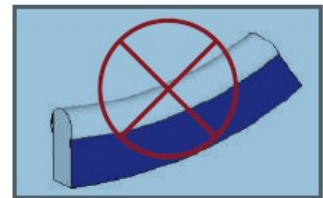
cutting position has to be straight



No cutting Distort



Do not Bend 90°



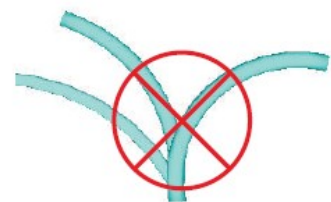
No embossing operation



No embossing operation



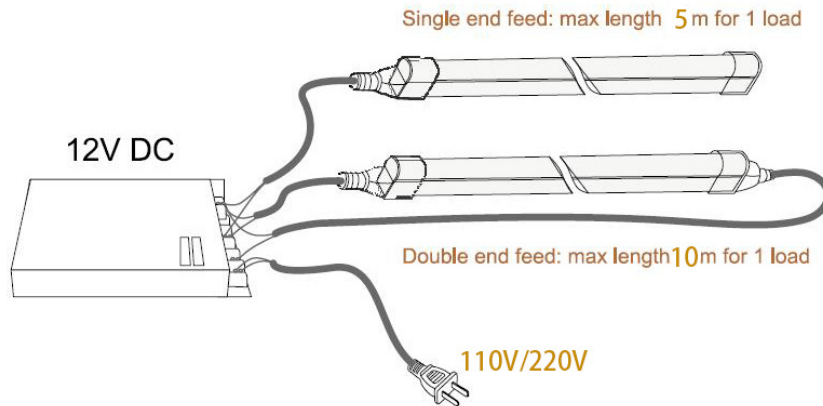
Do not twist



Do not repeatedly bending
This will damage the circuit

Installation Precautions

1. All installation and connection must be conducted by professional electrician.
 2. 12VDC Class 2 Power Supply must be used with this light. Make sure to use appropriate PSU.
 3. Ensure the overall length of the S tyle Neon flex does not exceed the maximum run length as
10m-one end powered;
15m-two ends powered
 4. Disconnect power before installing or servicing to avoid electrical shock.
 5. For wet location installations, seal all possible water entry points and covers using by silicone.
- Failure to do so , may result in product defective



Applications:

flex neon can be used in place of neon for signage and on building interiors and exteriors, but it can also be used in many other applications where neon could never be incorporated. Flex neon produces relatively no heat, is extremely durable and can be used in ways that traditional neon can not be used. The flex neon products have been used in casinos, hotels, buildings, amusement rides, step and path lighting, retail store shelves and display cases, bridges, cruise ships, freezers and refrigerators.

