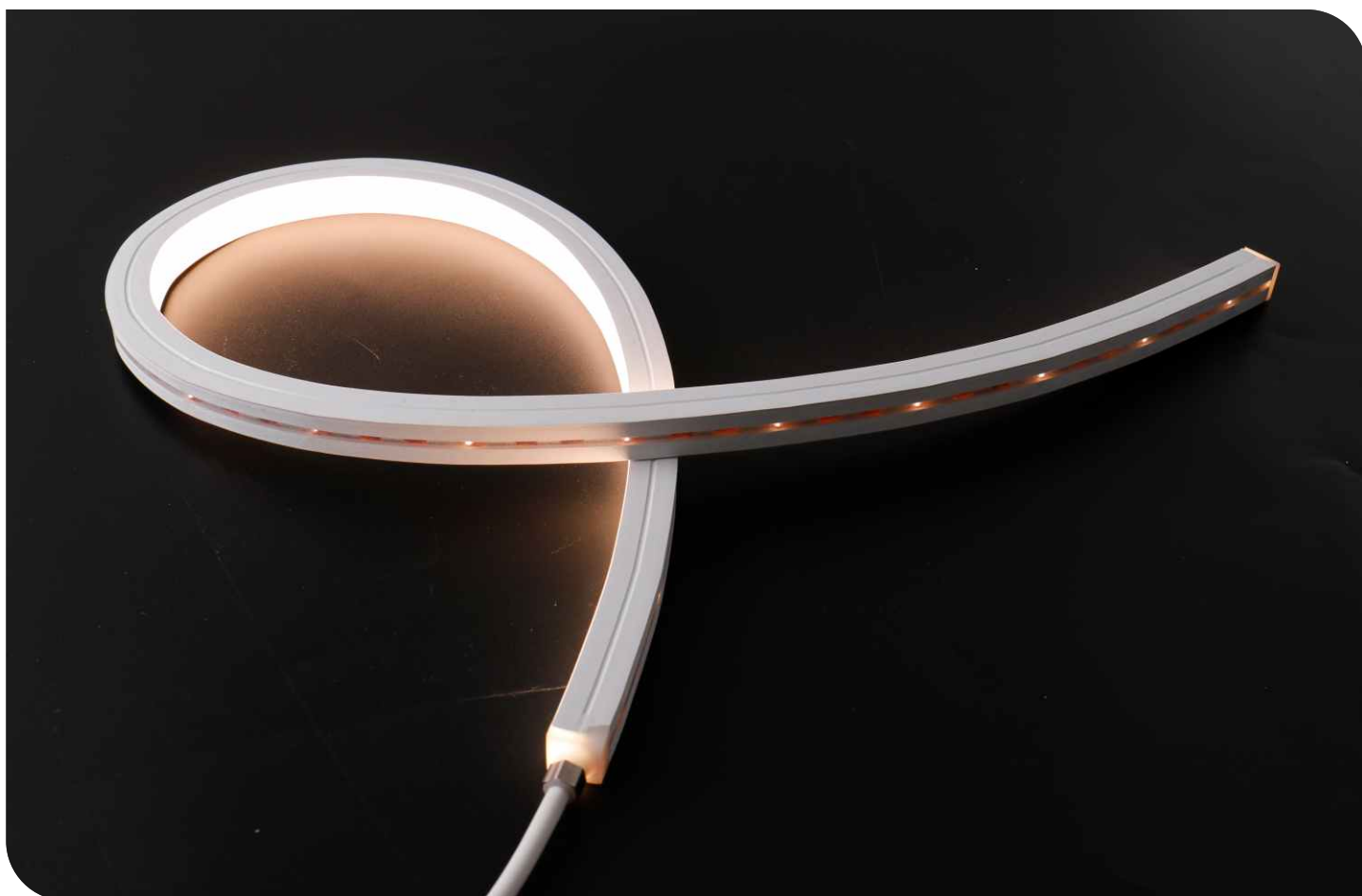


SPECIFICATION

Silicone FlexNeon Light

Model: FN1616-3D-*

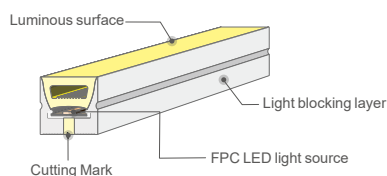


Product Feature

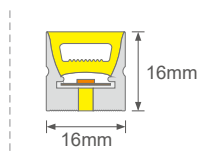
- Silicone extrusion process, 3D flexible design;
- Low Heat: LED is cold light source, reduce the nitrogen dioxide.
- Extremely Low Maintenance Costs.
- Anti-yellow, UV resistant, High temperature durable; corrosion resistance;
- The product has constant voltage can connect 5meters in series one feed only without voltage drop.
- Consistent brightness without any decay.



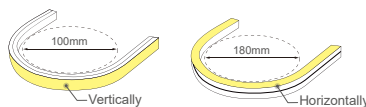
Breakdown Diagram



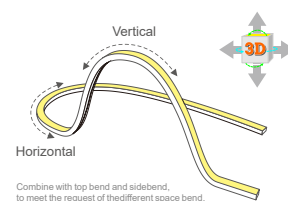
* Breakdown Diagram



* Cross section



* Min bending diameter



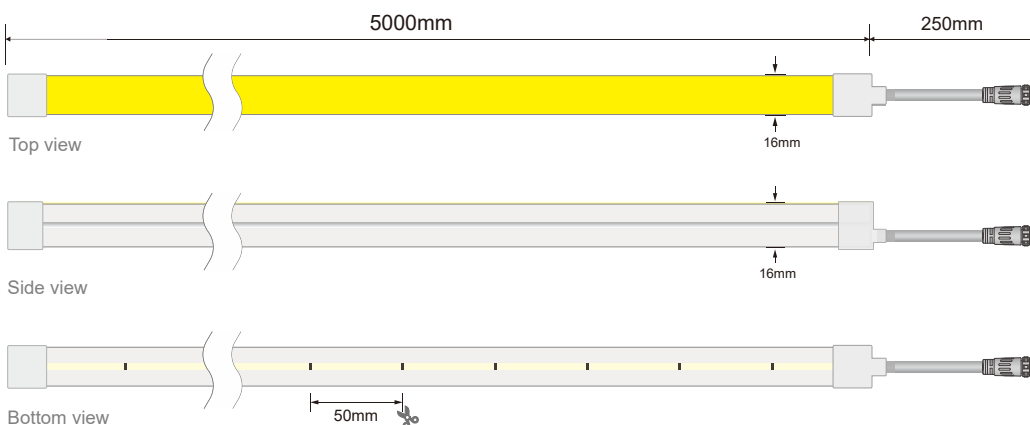
* Bending direction

Luminaire

Product:	NE 1616 3D Silicone neon lights
Material:	100% food-grade silicon
Size:	16*16mm (0.63"*0.63")
Color:	White;Red,Green,Blue,CCT,RGB,RGBW
LED QTY/m:	120
Light emission:	120°
IP Rate:	IP67 with appropriately rated accessories

Max length:	16.4ft (5m)
Power Feed:	One / Two end feed
Cable Out:	Front / Side / Bottom
Installation:	-40°F to 134°F (-40°C to 55°C)
Operating:	-25°F to 131°F (-25°C to 55°C)
Humidity:	0-95% non condensing
Warranty:	3 years

Dimension Structure



Single Color Parameters

P/N.	Voltage	Power	CRI	CCT	Lumen/M	Lumen/W	Max.Length	Unit Cut
FN1616-3D CV24-Wxx	CV24V	10 W/m	>90	● 2400K±100	588	49	5M	50mm
				● 2700K±100	612	51		
				● 3000K±100	660	55		
				● 3500K±200	720	60		
				● 4000K±300	687	56		
				● 5000K±300	696	58		
				● 6000K±300	672	56		
			/	● Red	285.6	23.8		
				● Green	657.6	54.8		
				● Blue	128.4	10.7		
				● Yellow	53.28	4.44		
				● Pink	270	22.5		

Note:

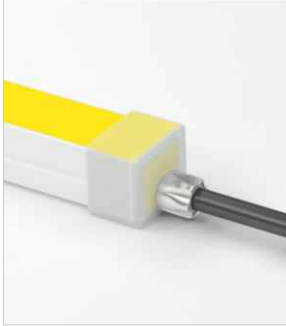
1. The above parameters are based on the 1-meter test data;
2. The power and lumens of output data can be vary up to ±10%;

Power Configuration

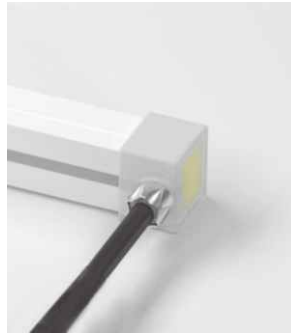
Length	Power	Voltage	Rated Current (A)	Power Supply	Power Feed
1M	10W	CV24	0.5	≥12W	Single end
5M	50W		2.5	≥60W	Single end
10M	100W		5	≥120W	Both ends

■ Cable Entry

Front Cable Entry



Bottom Cable Entry



End cap



Our standard 5 meter (16.4 ft.) FlexNeon comes with Front Entry cable on one side and Bottom Entry Cable on the other side pre-wired. Select one side for the power input and terminate the other side by cut off the Cable Entry and plug with End Cap. When cutting the FlexNeon make sure to cut on the cut-mark in every 50mm (about 2 inches).

■ Mounting Accessories



Mounting Clip
Recommended every one meter
Required 5 each per roll of 5 meter



Aluminum track
1 meter (3.3



Flexible Mounting Profile
Sold by custom length

Accessories Installation

Clips Installation



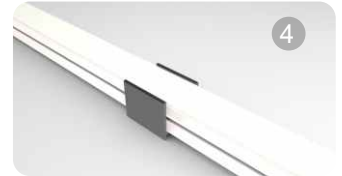
Prepare screwdrivers, screws and clips. Mounting clip is required in every 3 feet



Screw the screw into the clips



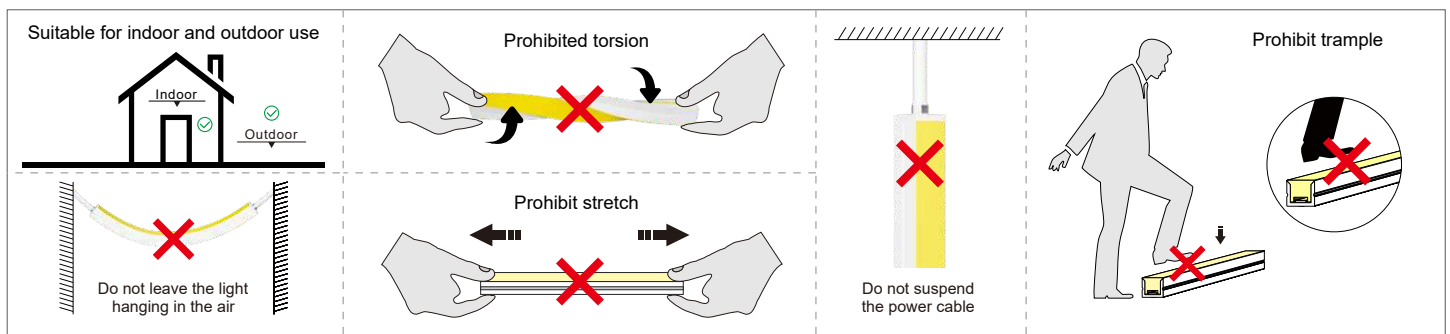
Put the neon light into the clip in the direction of the arrow



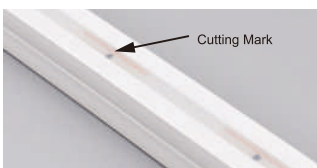
Installation complete

Cautions ⚠ The electrical connection process must be conducted by a professional person.

Installation Precautions



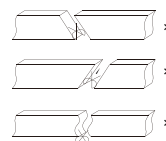
Cutting method



Note: The top of the led strip is a transparent window, and the black mark is Cutting position



Use a cutting jig, vertical cutting precisely in the exact cutting position of led strip.



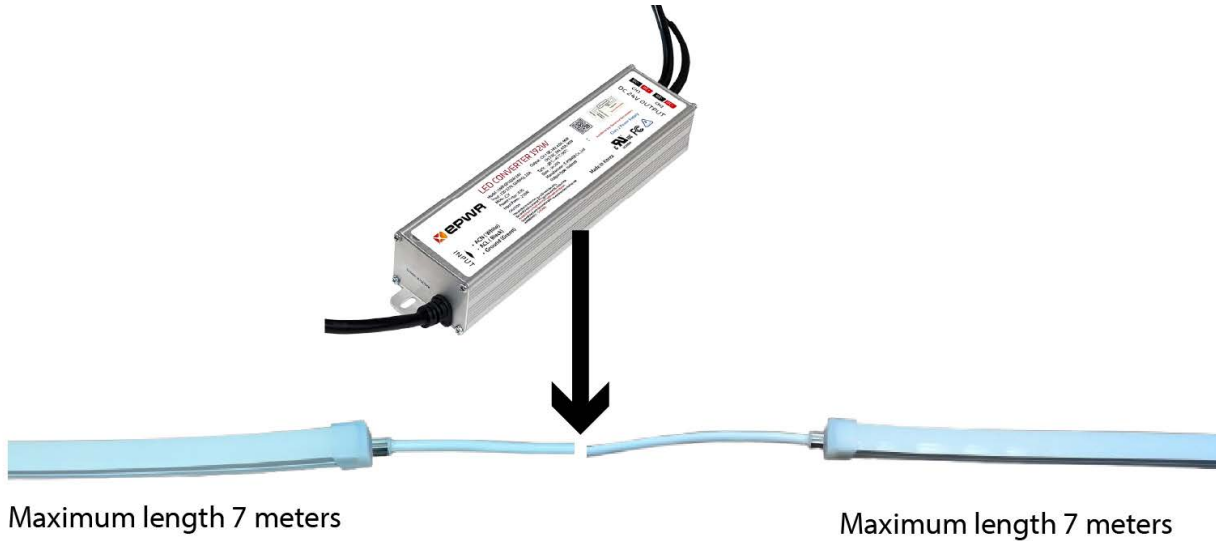
Please don't be feel free to cut and cut into an oblique angle or cambered section.

1. Please apply different IP rate products according to different environment conditions;
2. Adopt suitable power supply to match the LED strips with 20% more than max power of LED strips to ensure stable performance of power supply and LED strips;
3. Do not install it when power is on. Before powering on, please make sure the wiring is correct;
4. Do not modify or alter circuit or other component on the strip;
5. Avoid scrape or bending during installation.
6. Strips linked to extend the length could lead to problem of overload or uneven brightness;
7. To protect your eyes, do not stare at the light for a long time while it's illuminated;
8. Only professional personnel can install, dismantle and repair;
9. Use proper connectors and controllers according to your strip types.

Wiring

Note: The maximum run lengths of the NeonFlex is 7 meters per Power supply. Power supply is required to remain 20% surplus than consumed power.

Wiring multiple single color NeonFlex



Wiring multiple RGBW NeonFlex with Controller and RGBW Amplifier

