

# Specification

## Neon Flex Side View 13x12 White & RGB



## ▼ Features



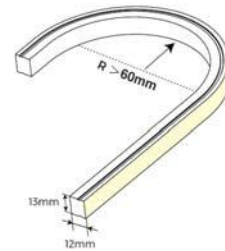
- ※ Light source: High luminous efficiency, SMD2835, 2735, 2110, 4040, 5050 LED SMD, LM80 test proved.
- ※ Process & Material: High light transmittance, food-grade environmental silicone material, integrated extrusion molding technology, IP67/68.
- ※ Optical Design: Unique optical light distribution structure design, uniform lighting surface and no shadow.
- ※ Appearance Design: Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- ※ Product Certification: UL, CE, ROHS.
- ※ Environmental Features: Resistance to saline solutions, acids & alkali, corrosive gases and UV.
- ※ Working/Storage Temperature: Ta: -20~55°C / 0°C ~ 60°C.
- ※ Life Span: 36000H, 3 years warranty ( RGB digital series 2 years ).



## ▼ Product Application

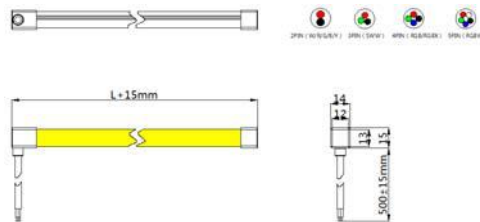
- ※ Signage Lighting
- ※ Outdoor/indoor decorative
- ※ Architectural Contour lighting
- ※ Waterproof lighting

## ▼ Product Bending Application

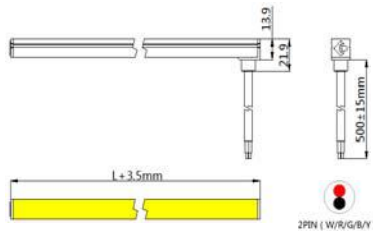


## ▼ Product's protective technology & structure size

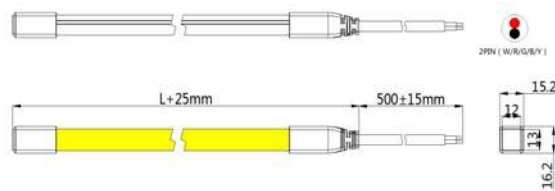
### IP67 silicone end cap



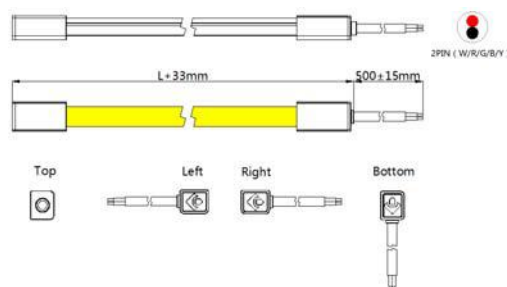
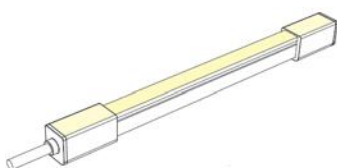
### IP67 Shadowless End-Cap



### IP68 full protective End-Cap



### IP67 Weld-free waterproof End-Cap



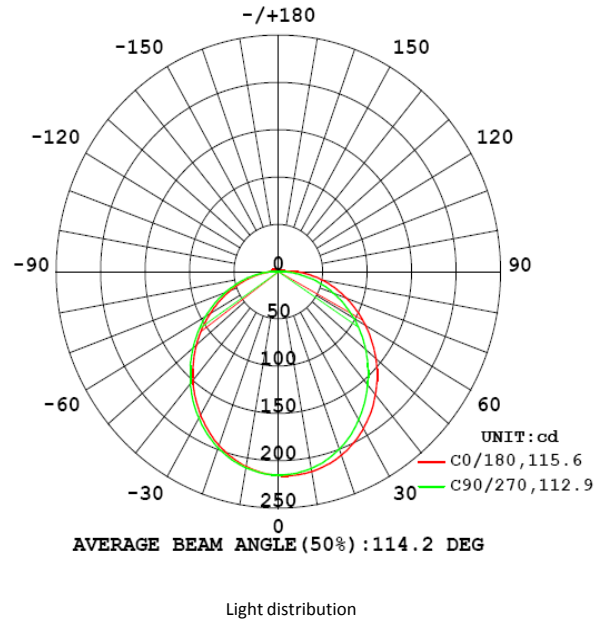
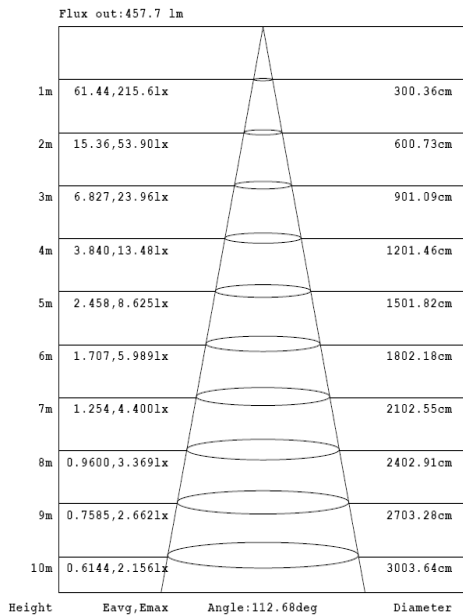
## ▼ Basic Parameters

Model	CCT/colors	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Cutting unit (mm)
NEONTOP1312FM NEONTOP1312VWW NEONTOP1312WW NEONTOP1312NW	2300K	>90	24V	0.4	9.6	640	W13*H12	5000& 10000mm	50
	2700K					640			
	3000K					670			
	4000K					670			
NEONTOP1312RGB	R 620-630nm G 525-530nm B 465-470nm	/		0.34	8	/		5000 mm	83
	Y 587-592nm RGB	/		0.5	12	/			
	R 620-630nm G 525-530nm B 465-470nm	/		0.6	14.4	/			
	RGB~2700K RGB~3500K RGB~4500K RGB~5000K	/		0.75	18	/			
RGBX R 620-630nm G 525-530nm B 465-470nm	/	0.5		12	650	31.25			
	2700~5000K	>90							

Note :

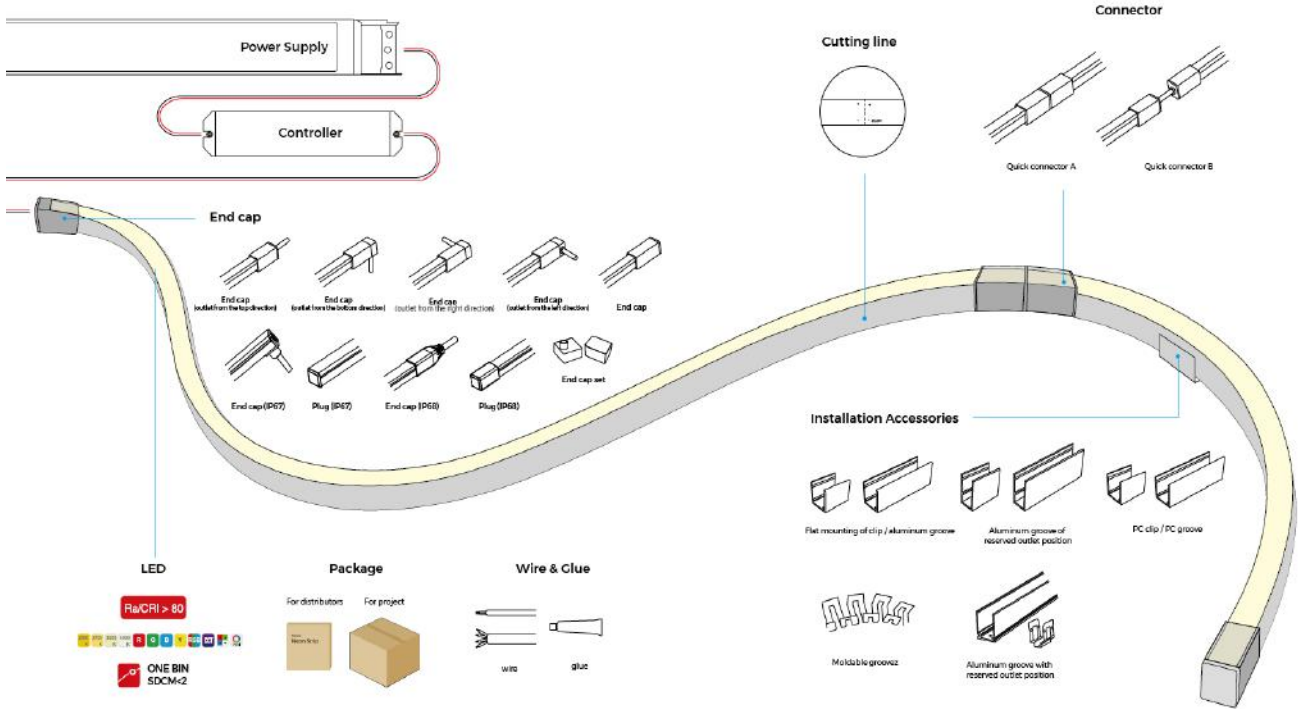
1. The above data is the testing result of 1M standard product;
2. The power and lumens of output data can be vary up to  $\pm 10\%$ ;
3. The above parameters are all typical values ;

## ▼ Light Distribution




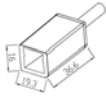



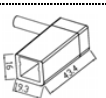

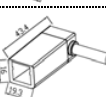

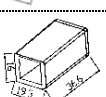

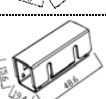

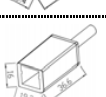










Note: The above data are based on the color temperature of 4000K monochrome. If you need other color IES files, please download the corresponding model from the IES database.

## ▼ Product System Solutions



## ▼ Accessory information

Name	Description	Image	Sectional size	Product quantity/case (PCS)	Product quantity/case (kg)	Net weight per box (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Aluminium carrier	Flat mounting aluminium groove			30 PCS	0.1453	4.359	5.44	1100*112*50	Size : L1000*W15.4*H14.1mm, with screw
Aluminium clip	Flat mounting clip			450 PCS	0.0058	2.61	2.91	250*250*150	Size : L25*W15.4*H14.1mm, with screw
Aluminium carrier	Aluminium groove of reserved outlet position			24 PCS	0.1513	3.64	4.72	1290*112*50	Size : L1000*W15.4*H19.8mm, with screw
Aluminium clip	clip with reserved outlet position			450 PCS	0.0061	2.745	3.045	250*250*150	Size : L25*W15.4*H19.8mm, with screw
Aluminium carrier	Pre-installed aluminium groove			12	0.167	2	3.1	1290*112*50	Size : L1000*W16.6*H16.3mm with screws , 5 clips for 1 meter
PC carrier	Flat mounting PC groove			30	0.066	1.98	3	1290*112*50	Size : L1000*W15.4*H14.6mm with screws
PC carrier	Flat mounting of PC clip			350	0.004	1.4	1.655	250*250*150	Size : L25*W15.4*H14.6mm with screws
Moldable carrier	Moldable groovez			66	0.046	4.55	6	500*290*290	Size : L500*W13.7*H13.5mm , with screw
End-Cap set	Silicon End-Cap Set (End Cap and Plus)			400	0.0035	1.4	1.7	250*250*150	/

Weld-free waterproof End-Cap	Quick connector(outlet from the top direction)			48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP67
Weld-free waterproof End-Cap	Quick connector(outlet from the bottom direction)			48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP67
Weld-free waterproof End-Cap	Quick connector(outlet from the left direction)			48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP67
Weld-free waterproof End-Cap	Quick connector(outlet from the right direction)			48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP67
Weld-free waterproof End-Cap	Quick connector(plug)			48	0.03	1.44	3.255	365x365x190	IP67
Weld-free waterproof connector	Quick connector(without wire)			96	0.026	2.496	2.75	365x365x190	IP67
Weld-free waterproof connector	Quick connector(with wire)			48	0.053	2.544	2.8	365x365x190mm	middle wire 300mm , IP67
Glue	Acid glue		/	150	0.014	2.1	2.4	250*250*150	10ml/pcs
wire	2P PVC wire (0.5M)		/	150	0.01541	2.31	2.61	250*250*150	Suitable for single color strip
wire	2P PVC wire (2M)		/	125	0.0616	7.7	8	250*250*150	
wire	4P PVC wire (0.5M)		/	150	0.0194	2.91	3.21	250*250*150	Suitable for RGB strip Suitable for SWW strip
wire	4P PVC wire (2M)		/	125	0.0776	9.7	10	250*250*150	
wire	5P PVC线材 wire (0.5M)		/	150	0.0195	2.925	3.364	250*250*150	Suitable for RGB strip
wire	5P PVC wire (2M)		/	125	0.0755	9.4375	10.86		
connector	2PIN IP68 Waterproof connector		/	512	0.016	8.192	9.5	365*365*190	Suitable for single color strip
connector	3PIN IP68 Waterproof connector		/	512	0.018	9.216	10.2	365*365*190	Suitable for RGBX strip Suitable for SWW strip
connector	4PIN IP68 Waterproof connector		/	288	0.03	8.64	9.6	365*365*190	Suitable for RGB strip

## ▼ Installation Guidance

### Installation of clip

1. Use screws to fix the clips or carriers on the mounting position

⚠ Clip: 3 clips can be used for 1m;

### Installation of carrier

1. When installing the LED strip, install it from both ends at the same time, installation from one direction is prohibited.

⚠ If the length of LED strip is over 2m, it is recommended to install by two persons.

> 2m

2. Use tool to disassemble carefully, and do not pull the LED strip directly.

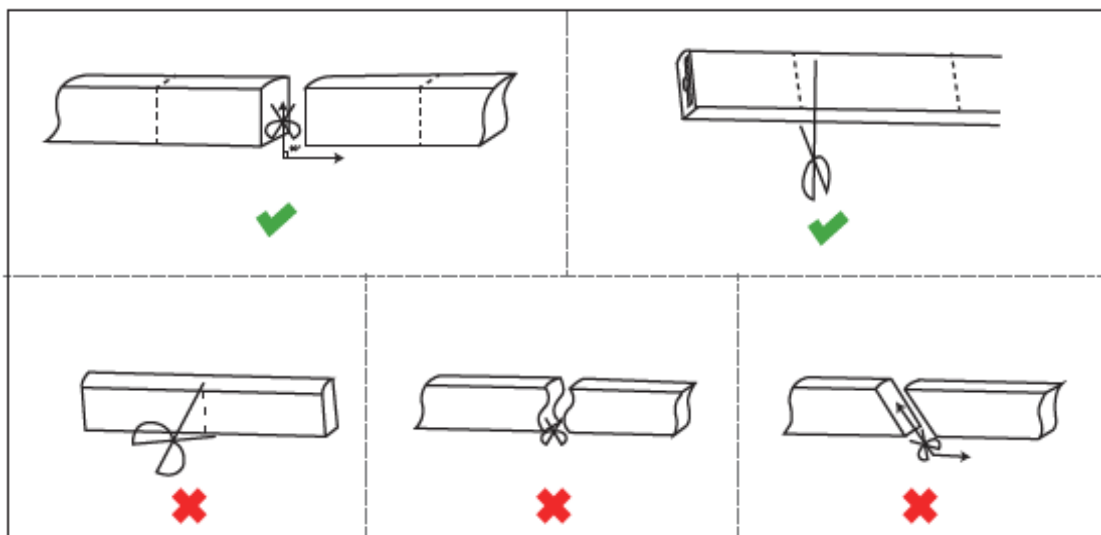
⚠ If the length of LED strip is over 2m, it is recommended to disassemble by two persons.

> 2m

## ▼ Precautions

- Use a 24V DC isolated power supply to drive the neon lamp strip and the ripple wave of constant voltage source shall be less than 5%. It is not allowed to use RC voltage reduction or non-isolated power supply to drive the neon lamp strip.
- In actual applications, 20% of the power supply shall be kept (only 80% of the power is used) to guarantee that sufficient voltage is available to drive the product.
- Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock.
- Attention shall be paid to the positive and negative poles of the wires during installation and whether the power supply conforms to required voltages to avoid damages.
- Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability, the bending diameter too small will damage the product itself.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness.
- To keep the eyes from being harmed, try to avoid staring at the glowing side of the LED strip for a long time.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- Do not use any acid or alkaline adhesive to fix products (including not limited to glass cement, etc.)
- Product is not suitable for use in swimming pools and fountains.
- Please confirmed before usage as products of varied sizes show slight differences in their color under same color temperature due to their structural differences.
- When IP68 protective products are installed and applied, the waterproofing grade should be degraded after self-processing and cutting.

### Cutting method



It is forbidden to wrap objects less than 60mm

