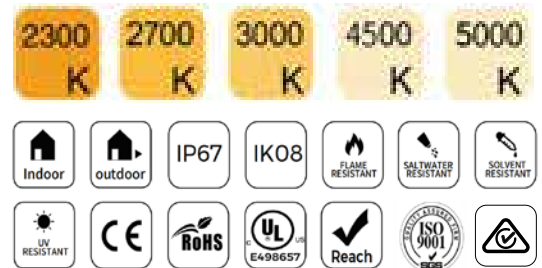


Planar Neon Series Flexi NT1312U (3 Sides)



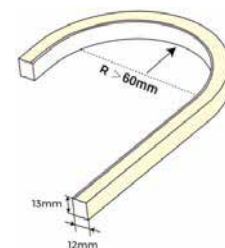
▼ Features

- ※Light source: High luminous efficiency, SMD2835 LED , LM80 test proved.
- ※Process & Material: High light transmittance, food-grade environmental silicone material, integrated extrusion molding technology,High protection level.
- ※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, SAA.
- ※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: 50000H, 5 years warranty.

▼ Application

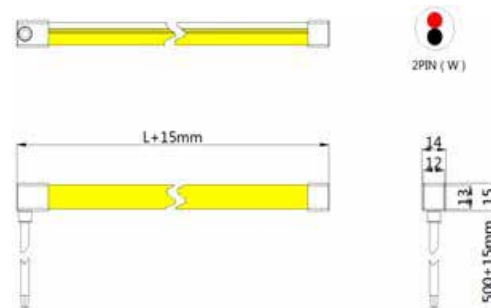
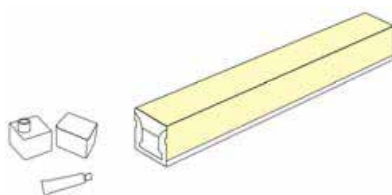
- ※ Signage Lighting
- ※ Outdoor/indoor decorative
- ※ Architectural Contour lighting

▼ Bending Application



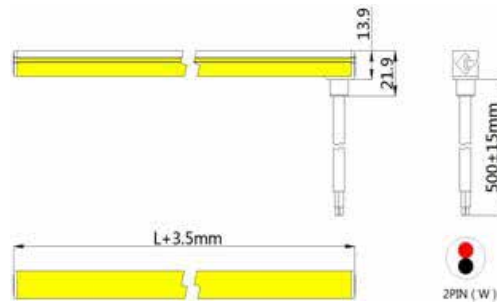
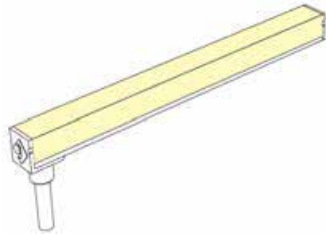
▼ Product's protective technology & structure size

IP67 Silicone End Cap

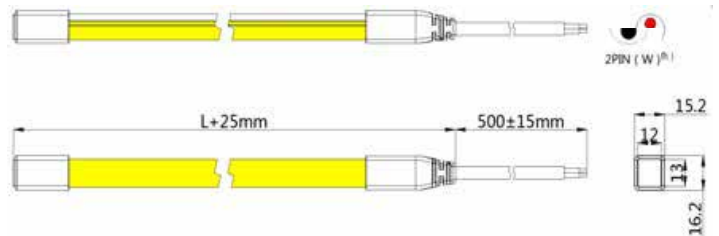
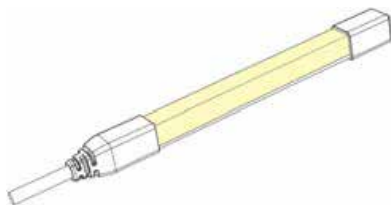


Planar Neon Series Flexi NT1312U (3 Sides)

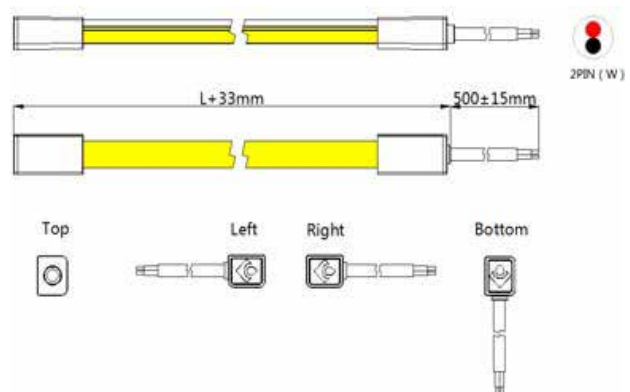
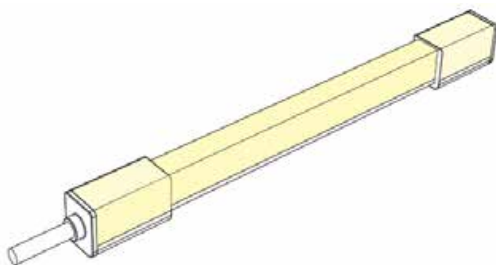
IP67 Shadowless End-Cap



IP67 Full Protective End-Cap



IP54 Weld-Free Waterproof End-Cap



▼ Basic Parameters

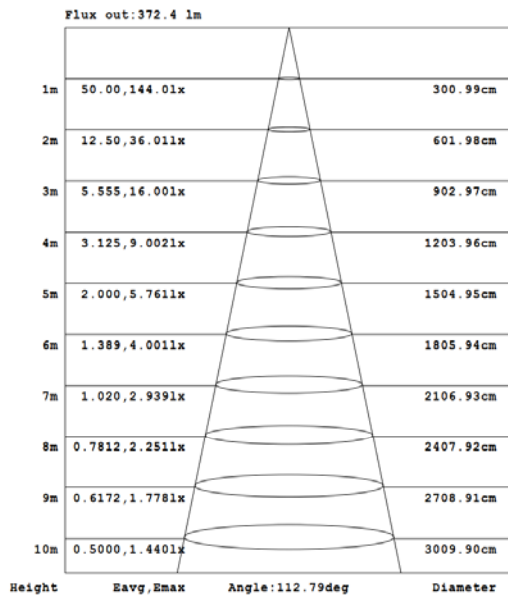
Model	CCT/colours	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Cutting unit (mm)
GCFLE-11W-24V-N1312U	2300K	>80/90	24V	0.46	11	750	W13*H12	5000&10000mm	38.5
	2700K					750			
	3000K					800			
	4500K					800			
	5000K					800			

Note :

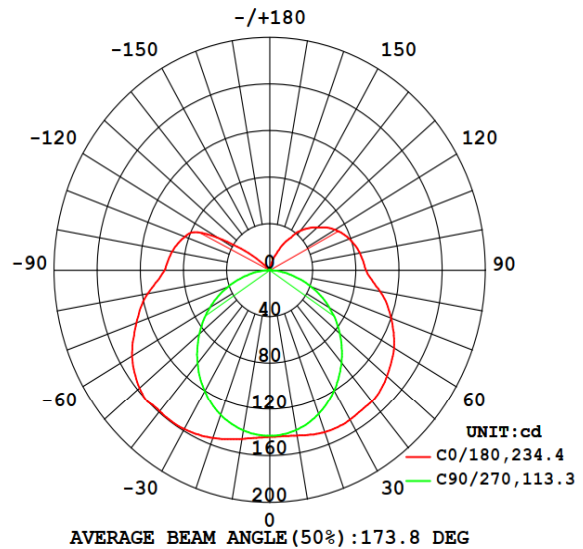
1. The above data is the testing result of 1M standard product;
2. The power and lumens of output data can be vary up to ±10%;
3. he above parameters are all typical values.

Planar Neon Series Flexi NT1312U (3 Sides)

▼ Light Distribution



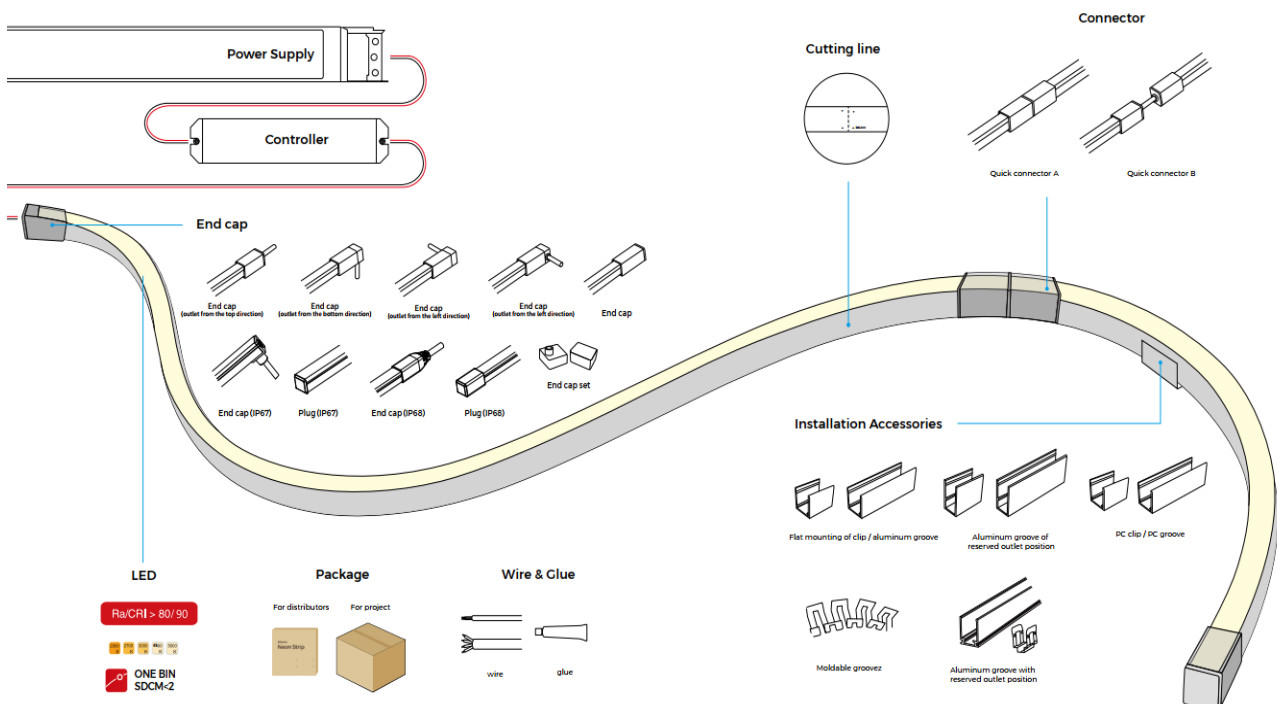
Effective average illuminance



Light distribution


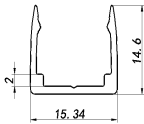

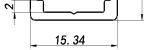



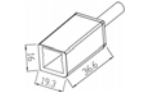



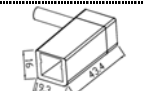

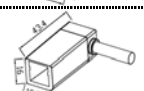

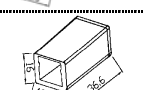

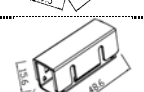

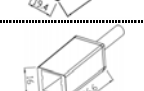




Note: The above data are based on the colour temperature of 4500K monochrome.

▼ System Solution



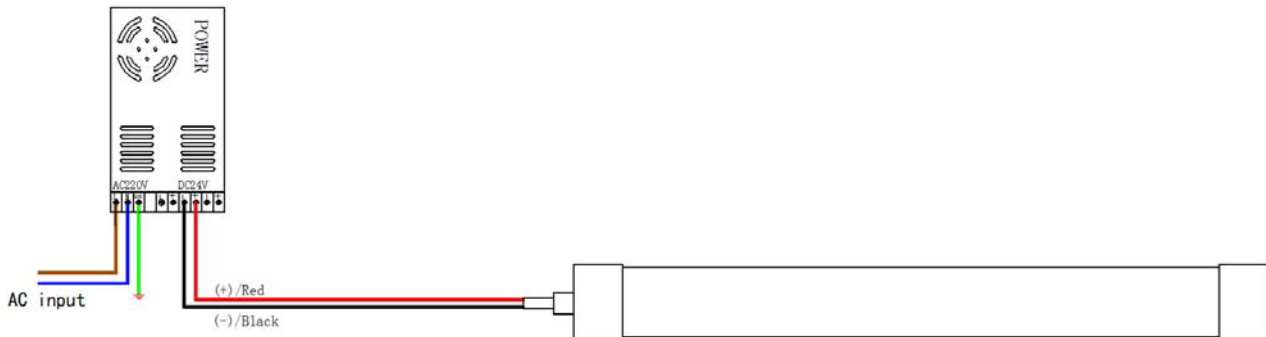
Planar Neon Series Flexi NT1312U (3 Sides)

▼ Accessory Information

Name	Description	Image	Sectional size	Ordering code	Product quantity/case (PCS)	Product quantity/case (kg)	Net weight per box (kg)	Gross weight (kg)	Gross weight (mm)	Remark
PC carrier	Flat mounting PC groove			GC-NMT1312P-1000	30	0.066	1.98	3	1290*112*50	Size : L1000*W15.4*H14.6mm with screws
PC carrier	Flat mounting of PC clip			GC-NMT1312P-25	350	0.004	1.4	1.655	250*250*150	Size : L25*W15.4*H14.6mm with screws
End-Cap set	Silicon End-Cap Set (End Cap and Plus)			GC-NMT1312GS0-EC	400	0.0035	1.4	1.7	250*250*150	/
Weld-free waterproof End-Cap	Quick connector(outlet from the top direction)			GC-NMT1312HT0-FL	48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP54
Weld-free waterproof End-Cap	Quick connector(outlet from the bottom direction)			GC-NMT1312HB0-FL	48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP54
Weld-free waterproof End-Cap	Quick connector(outlet from the left direction)			GC-NMT1312HL0-FL	48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP54
Weld-free waterproof End-Cap	Quick connector(outlet from the right direction)			GC-NMT1312HR0-FL	48	0.04	1.92	3.735	365x365x190	outlet 500mm\IP54
Weld-free waterproof End-Cap	Quick connector(plug)			GC-NMT1312HX0-FL	48	0.03	1.44	3.255	365x365x190	IP54
Weld-free waterproof connector	Quick connector(with out wire)			GC-NMT1312MX0-FL	96	0.026	2.496	2.75	365x365x190	IP54
Weld-free waterproof connector	Quick connector(with wire)			GC-NMT1312MH0-FL	48	0.053	2.544	2.8	365x365x190mm	middle wire 300mm , IP54
Glue	Acid glue		/	GC-PG-0002	150	0.014	2.1	2.4	250*250*150	10ml/pcs
wire	2P PVC wire (0.5M)		/	GC-WS-0001	150	0.01541	2.31	2.61	250*250*150	Suitable for single color strip
wire	2P PVC wire (2M)		/	GC-WS-0002	125	0.0616	7.7	8	250*250*150	Suitable for single color strip
connector	2PIN IP68 Waterproof connector		/	GC-FC-0001	512	0.016	8.192	9.5	365*365*190	Suitable for single color strip

Planar Neon Series Flexi NT1312U (3 Sides)

▼Wiring Diagram

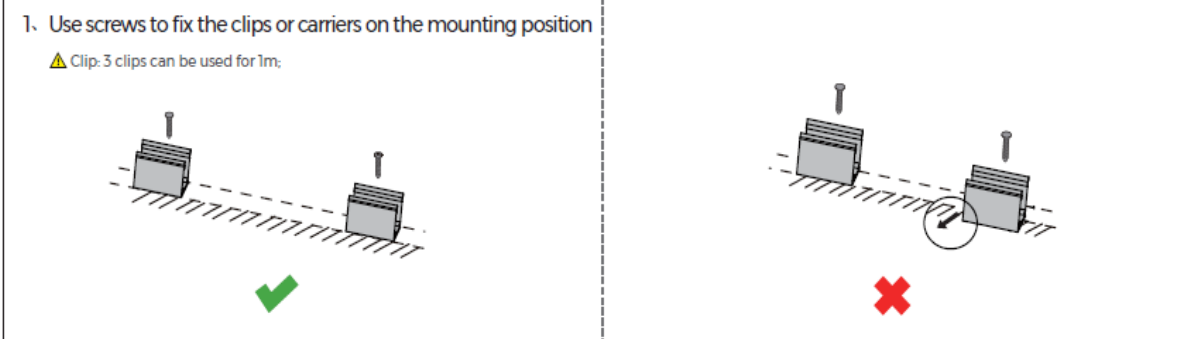


▼Installation Guidance

Installation of clip

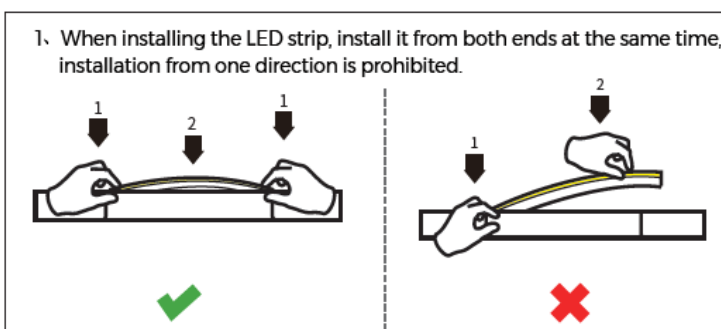
1. Use screws to fix the clips or carriers on the mounting position

⚠ Clip: 3 clips can be used for 1m:



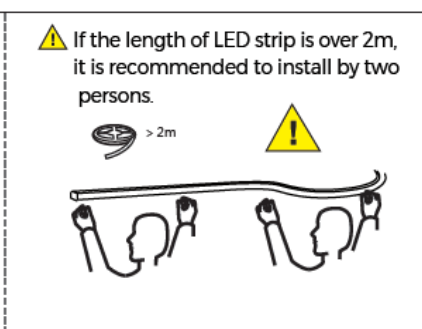
Installation of carrier

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

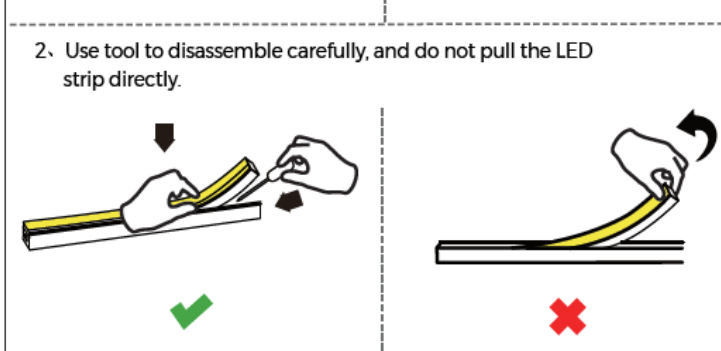


⚠ If the length of LED strip is over 2m, it is recommended to install by two persons.

> 2m

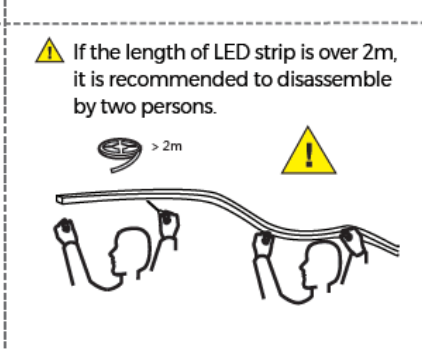


2. Use tool to disassemble carefully, and do not pull the LED strip directly.



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

> 2m



Planar Neon Series Flexi NT1312U (3 Sides)

▼ 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.
- 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 colour under same colour temperature due to their structural differences.
- When IP67 protective products are installed and applied, the waterproofing grade should be degraded after self-processing and cutting.

