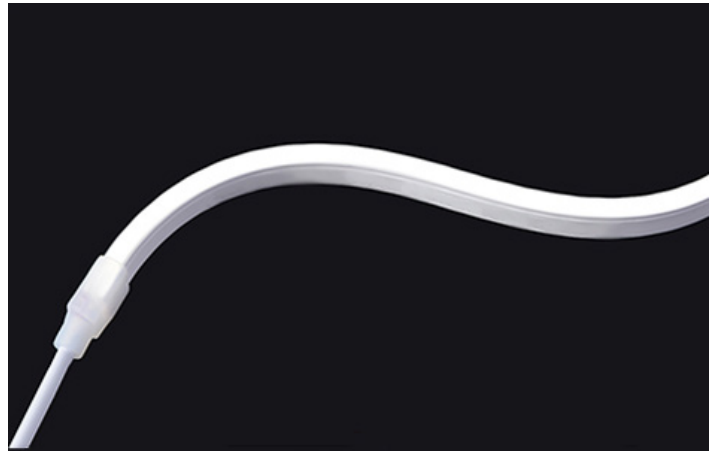
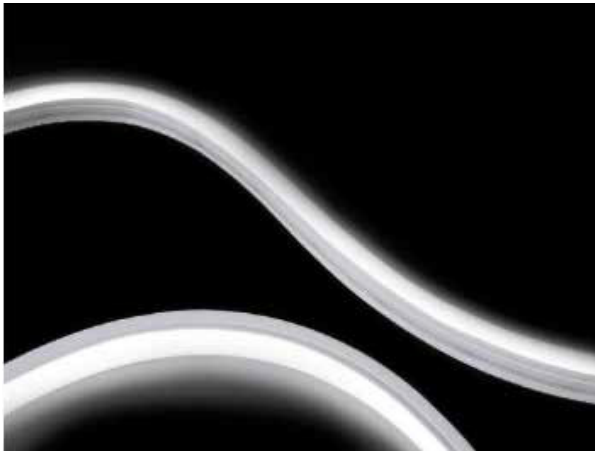


# Planar Neon Series Flex NS0612-PLUS (Side Bend)



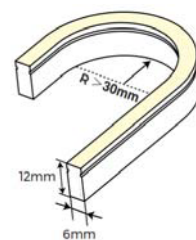
## ▼ Features

- ※Light source: High luminous efficiency, LM80 proved.
- ※Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- ※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: -30~55°C / 0°C ~ 60°C.
- ※Life Span: 50000H, 5 years warranty.

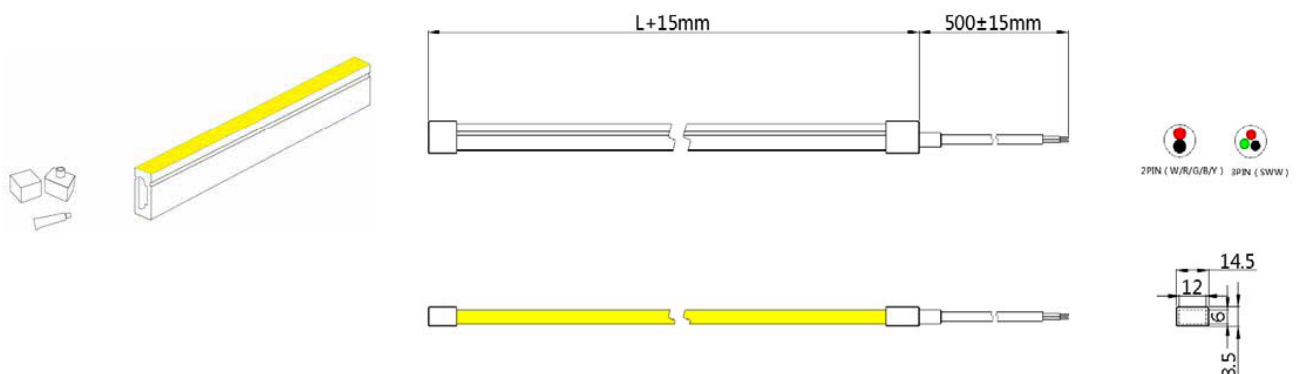
## ▼ Application

- ※Signage lighting
- ※Outdoor/indoor lighting

## ▼ Bending Application



## ▼ IP Process & Structure Parameters



# Planar Neon Series Flex NS0612-PLUS (Side Bend)

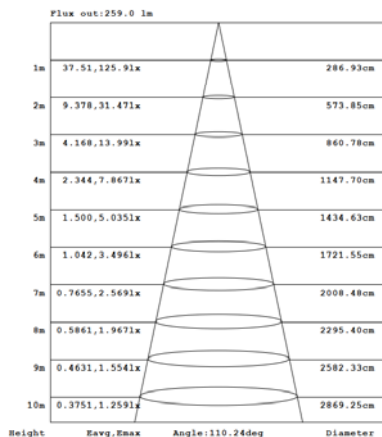
## ▼ Basic Parameters

Model	CCT/colours	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Cutting unit (mm)
GCFLE-9.6W-S-PLUS	2300K	>90	12V/24V	0.8A/0.4A	9.6	250	W6*H12	5000mm	25 (12V) 50 (24V)
	2700K					280			
	3000K					280			
	4000K					280			
GCFLE-9.6W-CCT-PLUS	2300K~4000K	>90	12V/24V	0.8A/0.4A	9.6	280	5000mm	31.25 (12V) 62.5 (24V)	
GCFLE-8W-RGBY-PLUS	R 620-630nm G 525-530nm B 465-470nm Y 587-592nm	/		0.67A/0.34A	8	/			25 (12V) 50 (24V)
GCFLE-5.3W-S-PLUS	2300K	>90	48V	0.11A	5.3	150		30000mm	100
	2700K					170			
	3000K					170			
	4000K					190			

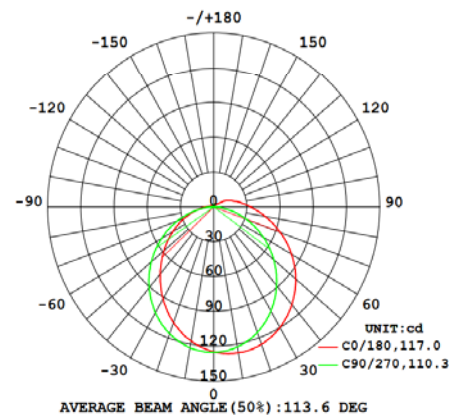
Note :

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



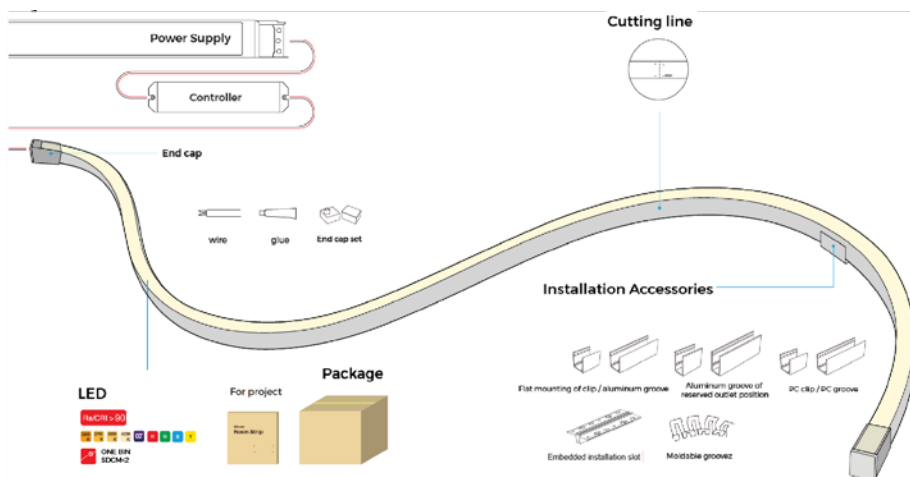
Effective average illuminance



Light distribution


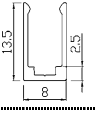

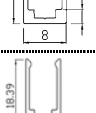

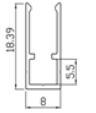

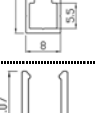

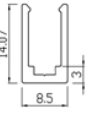

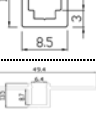

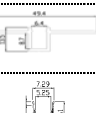

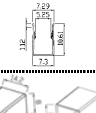

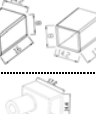

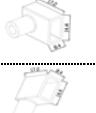

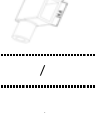







Note: The above data is the testing result of CCT 4000K.

## ▼ System Solution





# Planar Neon Series Flex NS0612-PLUS (Side Bend)

## ▼ Accessory Information

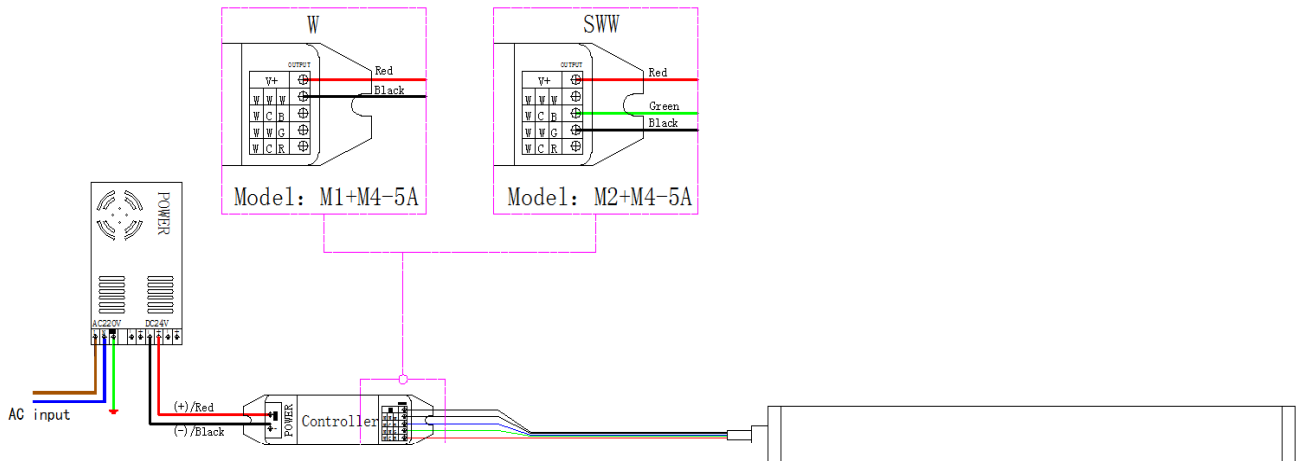
Name	Description	Image	Sectional size	Ordering code	Product quantity/case (PCS)	Product quantity/case (kg)	Net weight per box (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Alumina carrier	Flat mounting aluminum groove			GC-NMS0612A-1000	30	0.082	2.496	3.546	1180*135*130	Size : L1000*W8*H13.5mm, with screws
Aluminum clip	Flat mounting of clip			GC-NMS0612A-20	800	0.0017	1.68	1.83	250*250*150	Size : L20*W17.8*H7.9mm, with screws
Alumina carrier	Aluminum groove reserved outlet position			GC-NMS0612A1-1000	24	0.1015	2.4648	3.5148	1180*135*130	Size : L1000*W8*H18.5mm, with screws
Aluminum clip	Clip of reserved outlet position			GC-NMS0612A1-20	600	0.002	1.44	1.59	250*250*150	Size : L20*W8*H18.5mm, with screws
PC carrier	Flat mounting PC groove			GC-NMS0612P-1000	30	0.0355	1.101	2.151	1180*135*130	Size : L1000*W8.5*H14.1mm, with screws
PC carrier	Flat mounting of PC clip			GC-NMS0612P-20	800	0.0009	1.04	1.19	250*250*150	Size : L20*W8.5*H14.1mm, with screws
Alumina carrier	Embedded installation aluminum groove			GC-NMS0612A3-1000	14	0.28	3.92	5	1180*135*130	Size : L1000*W49.4*H13.5mm, with screws
Moldable carrier	Moldable groove			GC-NMS0612M-500	100	0.035	3.5	3.85	500*290*290	Size : L500*W7.3*H10.6mm, with screws
End cap set	End cap set, including end cap and plug (outlet from the top direction)			GC-NMS0612GH0-EC	400	0.0035	1.4	1.7		/
End cap set	End cap set, including end cap and plug (outlet from the left direction)			GC-NMS0612GS0-EC	400	0.0035	1.4	1.7		/
End cap set	End cap set, including end cap and plug (outlet from the bottom direction)			GC-NMS0612GD0-EC	400	0.0035	1.4	1.7	250*250*150	/
Glue	588G acidic glue		/	GC-PG-0002	150	0.014	2.1	2.4		10ml/pcs
Wire	2P PVC wire ( 0.5M )		/	GC-WS-0005	150	0.0128	1.92	2.22		Suitable for single color strip
Wire	2P PVC wire ( 2M )		/	GC-WS-0006	125	0.0512	6.4	6.7		Suitable for SWW strip
Gray wire	3P PVC wire ( 0.5M )		/	GC-WS-0017	150	0.0154	2.31	2.61		Suitable for SWW strip
Gray wire	3P PVC wire ( 2M )		/	GC-WS-0018	125	0.0616	7.7	8		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 SWW strip
Connector	3PIN IP68 waterproof connector		/	GC-FC-0002	512	0.018	9.216	10.2		Suitable for SWW strip

## ▼ Product Control System Solution

Name	Model	Ordering code	Parameters	Dimming constant-voltage acceptor	Suitable products
 Single color dimming set	M1+M4-5A	23-01-00-0045	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power: 240W/480W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	White color strip
 CCT set	M2+M4-5A	23-01-00-0005	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power: 240W/480W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	SWW dual CCT LED strip

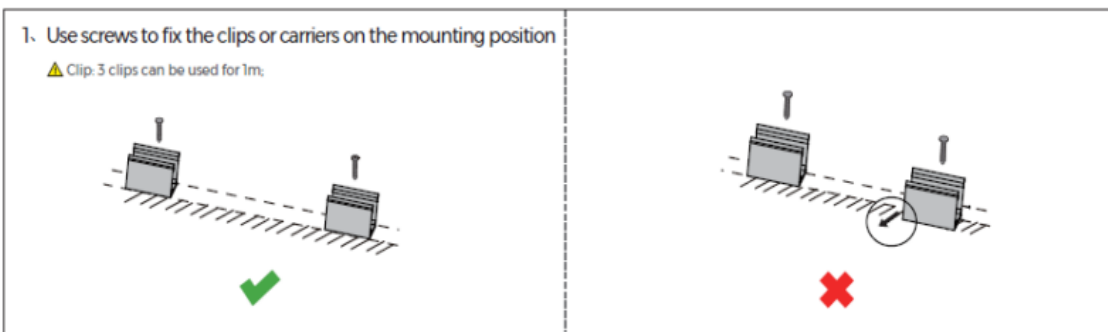
# Planar Neon Series Flex NS0612-PLUS (Side Bend)

## ▼ Wiring Diagram

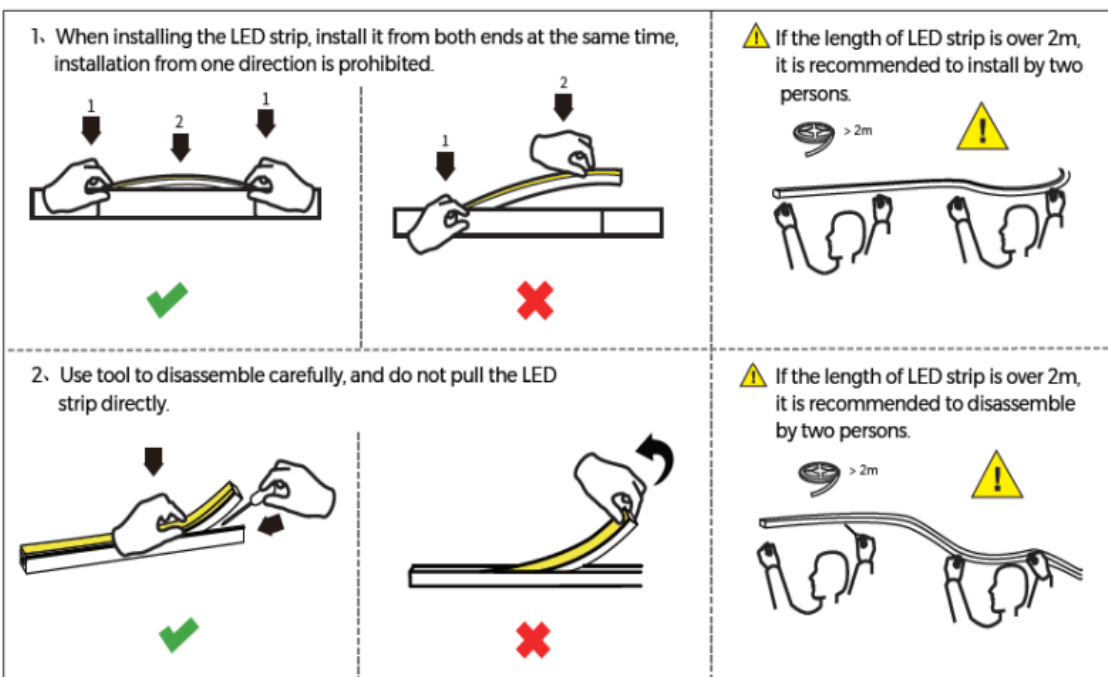


## ▼ Installation Guidance

### Installation of clip



### Installation of carrier



# Planar Neon Series Flex NS0612-PLUS (Side Bend)

## ▼ 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 30mm 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.)
- Products with different IP grade should be used in different environments, the product with IP67 is not suitable for use in water-immersed environment.
- The final colour of products with different sizes and specifications is slightly deviated due to structural differences under the same colour temperature, which should be confirmed before use.

