

Cambered Neon Series Flexi NS1224 (Side Bend)



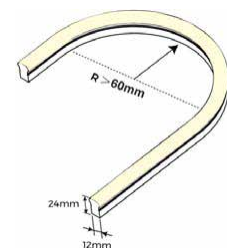
▼ Features

- ※ Light source: High luminous efficiency, SMD2835、2735、5050 LED SMD , LM80 test proved.
- ※ Process & Material: High light transmittance, food-grade environmental silicone material, integrated extrusion molding technology, IP68.
- ※ 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

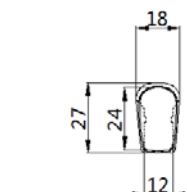
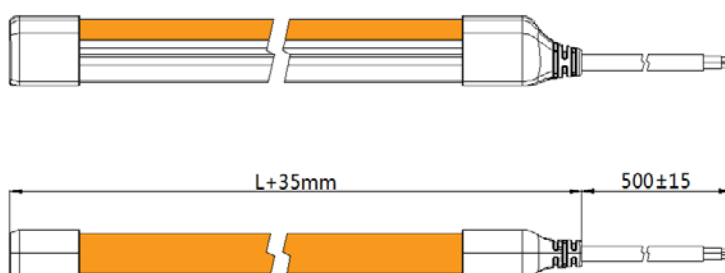
- ※ Signage Lighting
- ※ Outdoor/indoor decorative lighting
- ※ Architectural Contour lighting
- ※ Waterproof lighting

▼ Bending Application



▼ Product's Protective Technology & Structure Size

IP68 End-Cap



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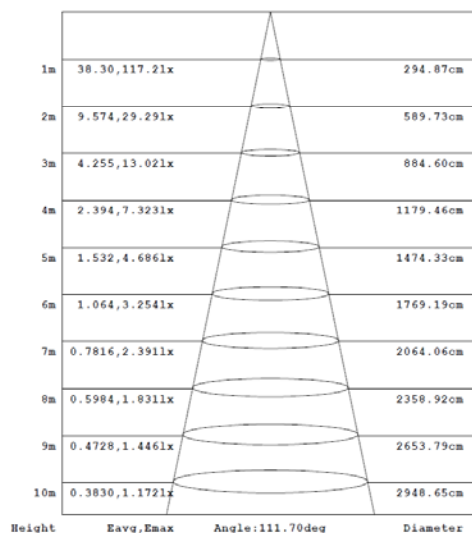
▼ Basic Parameters

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-NS1224	2200K	>80	24	0.4	9.6	510	W12*H24	5000mm&10000mm	50
	2700K					520			
	3200K					520			
	4200K					520			
	5000K					490			
GCFLE-8W-RGBY-NS1224	R 620-630nm	/	24	0.34	8	/	W12*H24	5000mm&10000mm	50
	G 525-530nm					/			
	B 465-470nm					/			
	Y 587-592nm					/			
GCFLE-12W-RGB-NS1224	RGB	RGB	24	0.5	12	/	W12*H24	5000mm	83
	R 620-630nm					/			
	G 525-530nm					/			
	B 465-470nm					/			

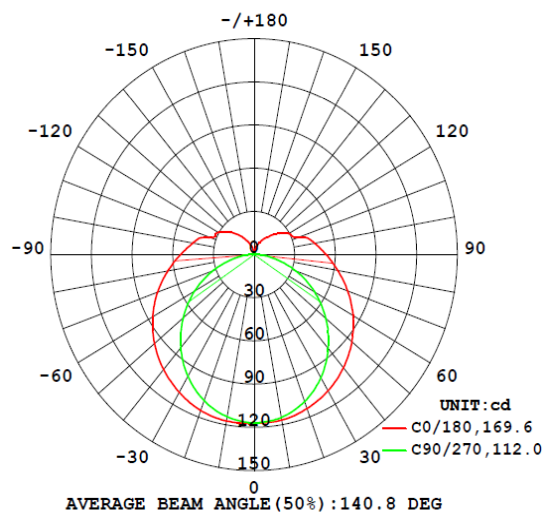
Note :

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 are based on the colour temperature of 4000K monochrome.

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▼ Accessory Information

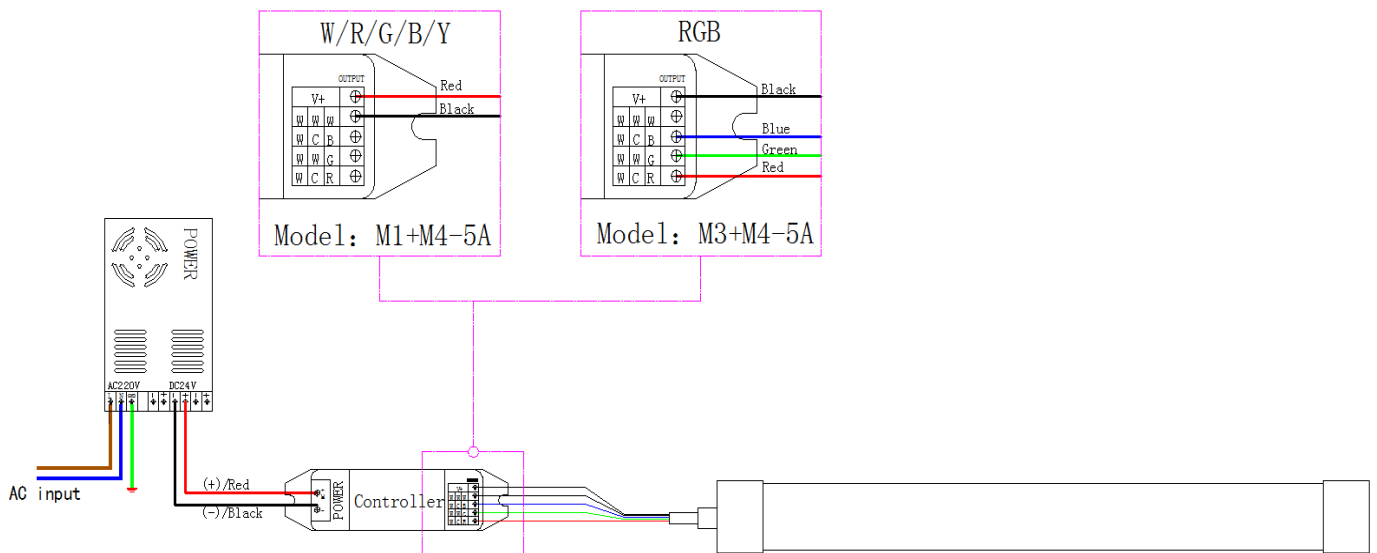
Name	description	Image	Sectional size	Ordering code	Product quantity/case (PCS)	Product net weight (kg)	Net weight per box (kg)	Gross weight (kg)	Package size (mm)	Remark
Aluminium carrier	Flat mounting of clip / aluminum groove			GC-NMS1217A-1000	12	0.159	1.9908	3.0408	1290*112*50	Size : L1000*W14.4*H18.85mm , with screw
Aluminium carrier	Aluminum groove of reserved outlet position			GC-NMS1217A1-1000	8	0.1755	1.4592	2.5092	1200*112*50	Size : L1000*W14.4*H24.85mm , with screw
Alumina carrier	Pre-installed aluminium groove			GC-NMS1217A2-1000	12	0.17	2.55	3.2	1290*112*50	Size : L1000*W15.8*H21mm with screws , 5 clips for 1 meter
PC carrier	PC groove			GC-NMS1217P-1000	12	0.08	1.0428	2.0928	1290*112*50	Size : L1000*W14.6*H19.35mm , with screw
Moldable carrier	Moldable groovez			GC-NMS1217M-500	100	0.0377	3.77	6.49	500*290*290	Size : L500*W13.1*H11.9mm , with screw
Aluminium clip	AL clip of flat mounting			GC-NMS1217A-25	350	0.004	2.205	2.355	250*250*150	Size : L25*W14.4*H18.85mm , with screw
Aluminium clip	clip of reserved outlet position			GC-NMS1217A1-25	300	0.0044	2.01	2.16	250*250*150	Size : L25*W14.4*H24.85mm , with screw
PC clip	PC clip of flat mounting			GC-NMS1217P-25	350	0.002	1.505	1.655	250*250*150	Size : L25*W14.6*H19.35mm , with screw
End-Cap set	Silicon End-Cap Set (End Cap and Plus)			GC-NNS1224GH0-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	250*250*150	10ml/pcs
wire	2P PVC wire (0.5M)		/	GC-WS-0001	125	0.0616	7.7	8	250*250*150	Suitable for single colour strip
wire	2P PVC wire (2M)		/	GC-WS-0002	125	0.104	13	13.3	250*250*150	
wire	4P PVC wire (0.5M)		/	GC-WS-0003	150	0.0194	2.91	3.21	250*250*150	Suitable for RGB strip
wire	4P PVC wire (2M)		/	GC-WS-0004	125	0.0776	9.7	10	250*250*150	
connector	2PIN IP68 waterproof connector			GC-FC-0001	512 PCS	0.016	8.192	9.5	365*365*190	Suitable for single colour strip
connector	4PIN IP68 waterproof connector			GC-FC-0003	512 PCS	0.03	8.64	9.6	365*365*190	Suitable for single colour strip

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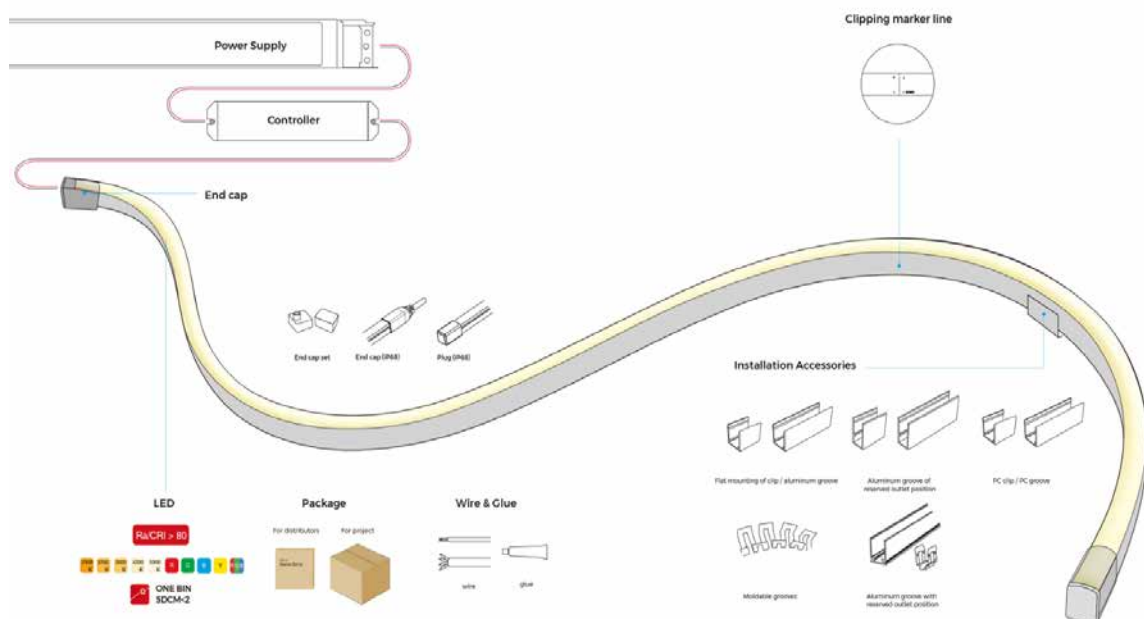
▼ Product Control System Solution

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
RGB set	M3+M4-5A	23-01-00-0046	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: 6A*5CH Max 18A Maximum loaded power:216W/432W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	RGB LED strip

▼ Wiring Diagram



▼ System Solution




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▼ Installation Guidance

Installation of clip

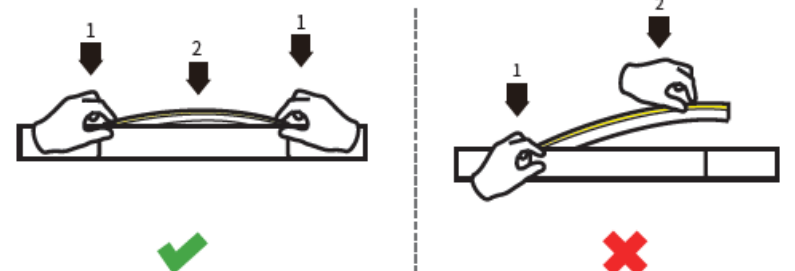
1. Use screws to fix the clips or carriers on the mounting position

⚠ 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.

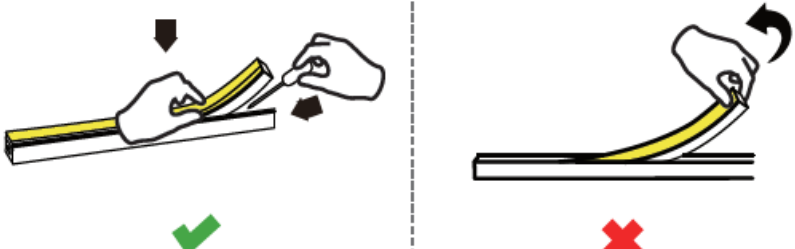


⚠ If the length of LED strip is over 2m, it is recommended to install by two persons.

> 2m

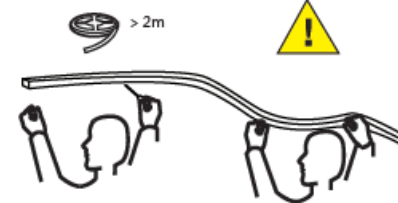


2. Use tool to disassemble carefully, and do not pull the LED strip directly.



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> 2m



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▼ 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, the colour of the product might be slightly different 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

