

SC-TSE1228-3S

3-Side emitting Silicon Neon



Available colors



Features

- High brightness 2835 SMD LED (single color & RGB color)
- CRI80 or CRI90
- High efficiency up to 130LPW
- 12*12mm Dimension & Minimum bending radius can be 60mm
- Top-View & 3-Side emitting
- Dot-free illumination and high uniformity
- UV-resistant high quality silicon material
- Extrusion process & injection moulding for end cap make IP67
- Special window-design makes cutting convenient and easy
- Providing accessories for cutting and installation

Application

- Outdoor contour/boundary lighting,
- Building contour decoration lighting.

Technical parameters

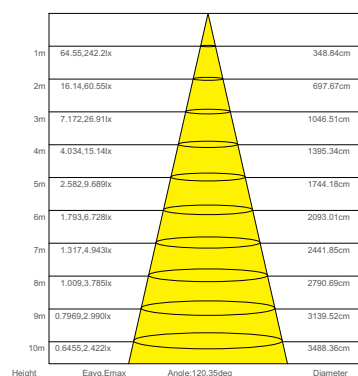
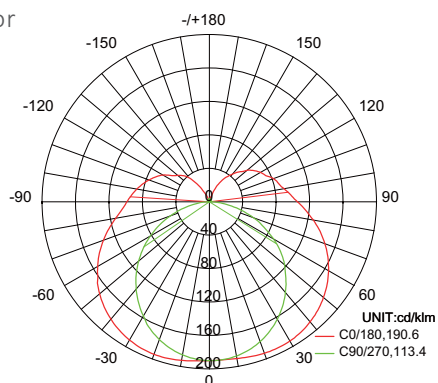
Model	Wave Length & CCT Range(for LED only)		Luminous Flux (lm/M)	CRI	LED Type	LED Qty. (PCS/M)	Rated Watt (W/M)	DC Voltage (V)	Min. Length(MM)	Max. Length(M)	PCB Width (MM)	IP
SC-TSE1228-3S-128-XX-24V	WW	2800-3200K	1178	80	2835	128	9.6	24	62.5	5	8	67
	NW	3800-4500K	1260									
	W	6200-6700K	1220									
	R	620-630nm	301	/								
	G	515-530nm	1110									
	B	460-470nm	205									
SC-TSE1228-3S-120-RGB-24V	RGB	N/A	420	/	2835/RGB	120	14.4	24	50	5	8	67
	R	620-630nm	102	/								
	G	515-530nm	282	/								
	B	460-470nm	46	/								

- * 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.

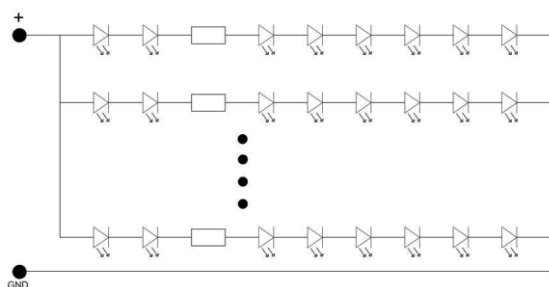
* Note: There will be CCT deviation for white color after the silicon extrusion, below is the table for your reference.			
CCT Deviation table			
Part number	Color	CCT for LEDS(real tested data)	CCT for IP67(real tested data)
SC-TSE1228-3S-128-WW-24V	WW	2983	2908
SC-TSE1228-3S-128-NW-24V	NW	4100	3965
SC-TSE1228-3S-128-W-24V	W	6801	6415

Light Distribution

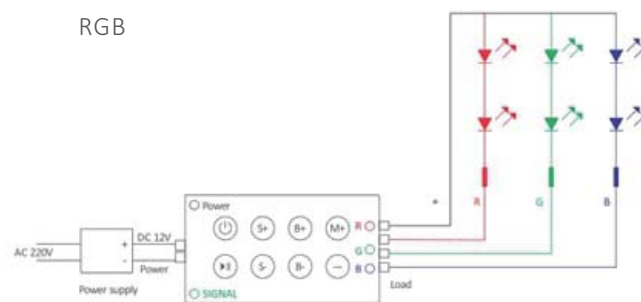
Single Color



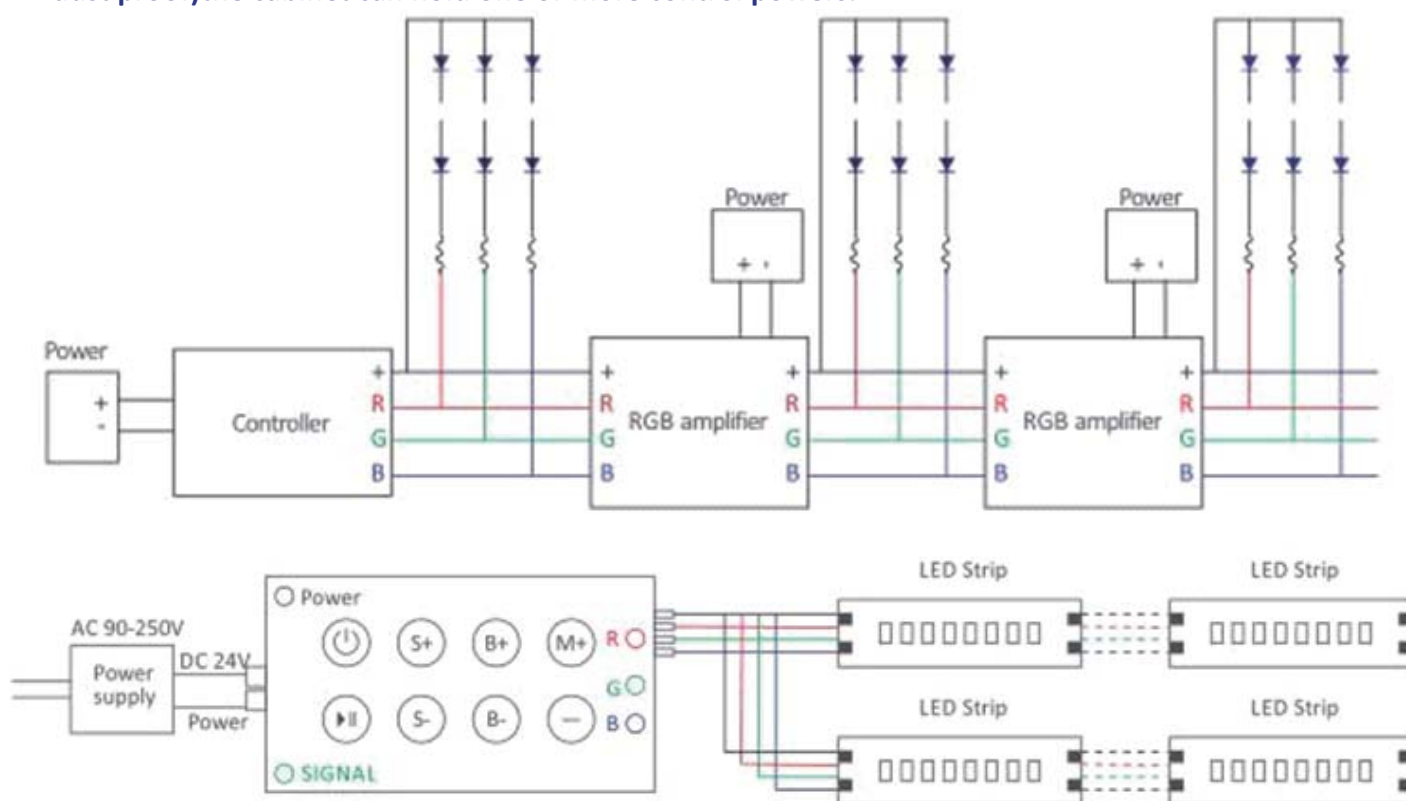
Circuit Schematic(DC 24V)
Single Color



RGB

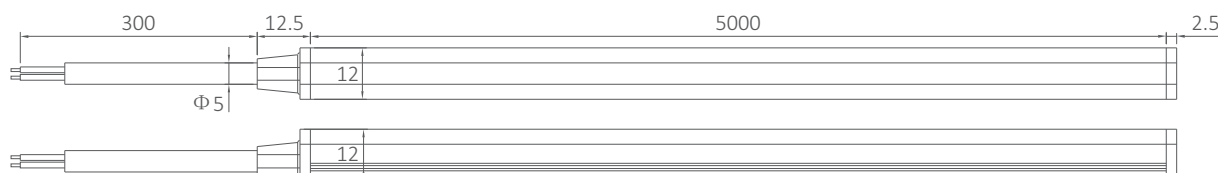


Connection diagram for RGB: as figure 1, use power cabinet(waterproof, moisture proof, dust proof)the cabinet can hold one or more control powers.

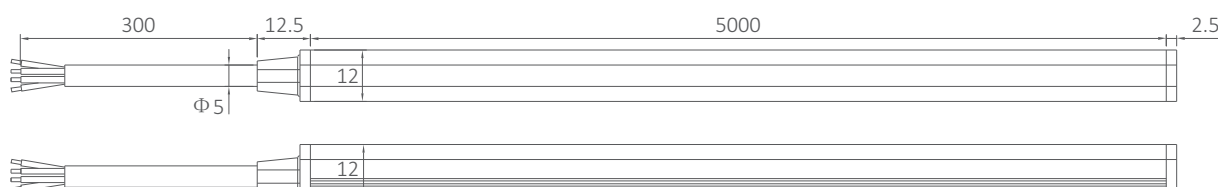


Dimensions

SC-TSE1228-3S-128-XX



SC-TSE1228-3S-128-RGB



Installation diagram

Installation operation

1. Fixed the clip in the place where the neon flex installed, as shown in Figure 1

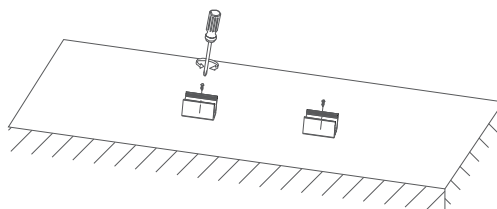


Figure 1

2. Install the neon flex into the clip, the installation is complete, as shown in Figure2

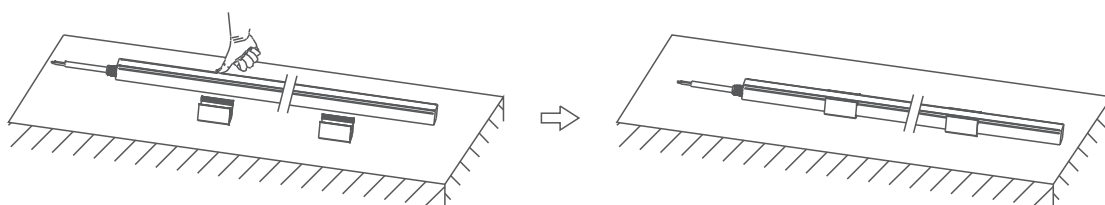


Figure 2

Cutting operation

1. Cut along the cutting line with scissors, as shown in Figure 3.

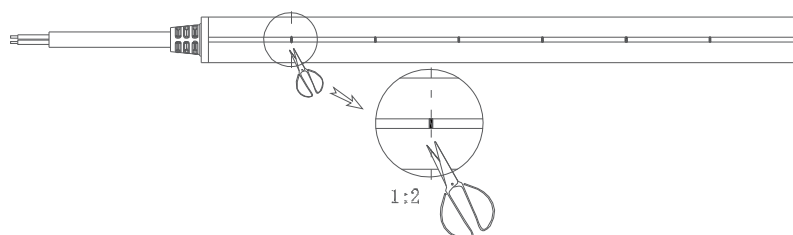


Figure 3

2. The plug will be filled with glue, and put the neon flex into the plug, the installation is complete, as shown in Figure 4:

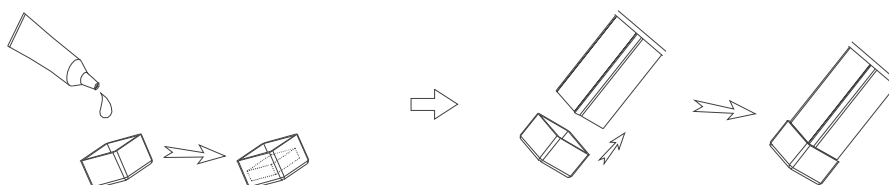


Figure 4

3. Cut off the adhesive on the back of the PCB to reveal the welding points, as shown in Figure 5

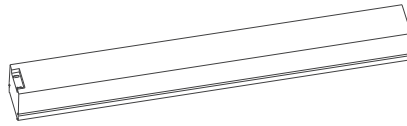


Figure 5

4. Use the soldering iron to solder the wire, as shown in Figure 6

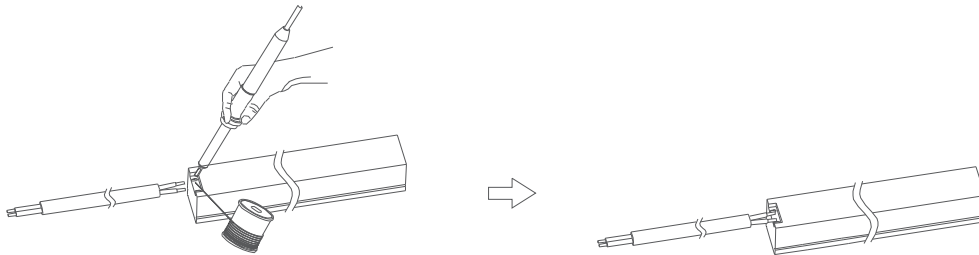


Figure 6

4. Put the plug encased into the line, and repeat Figure 4 gluing steps, and then insert the neon flex into the plug, the installation is complete, as shown in Figure 7

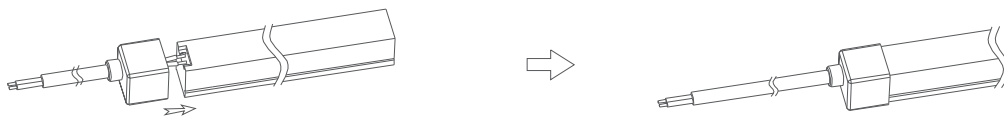
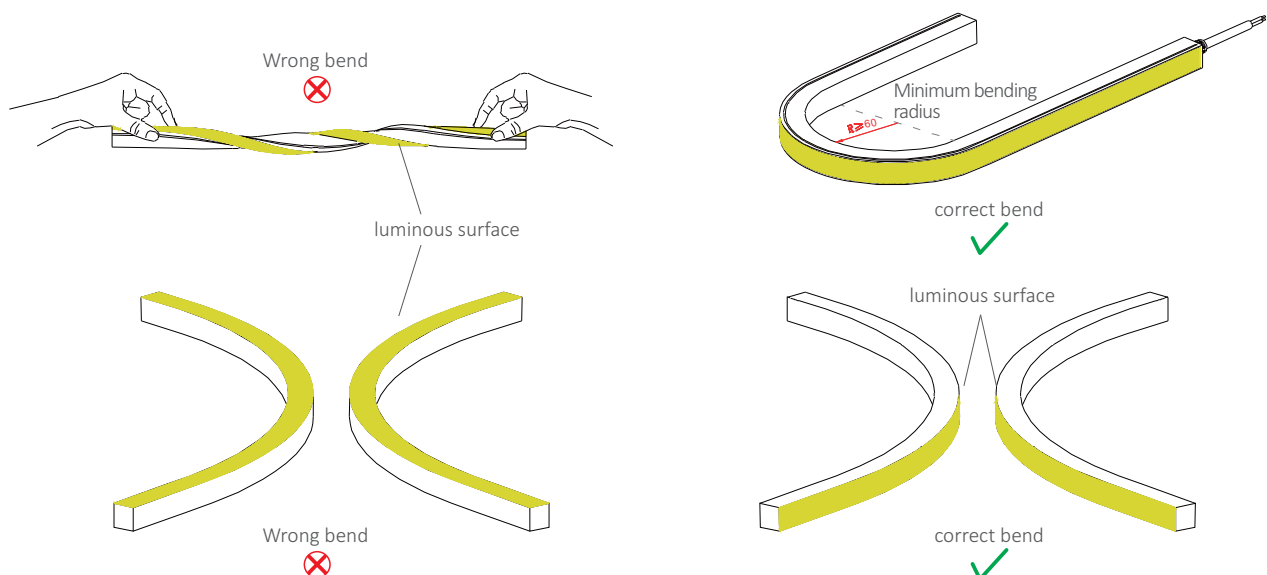
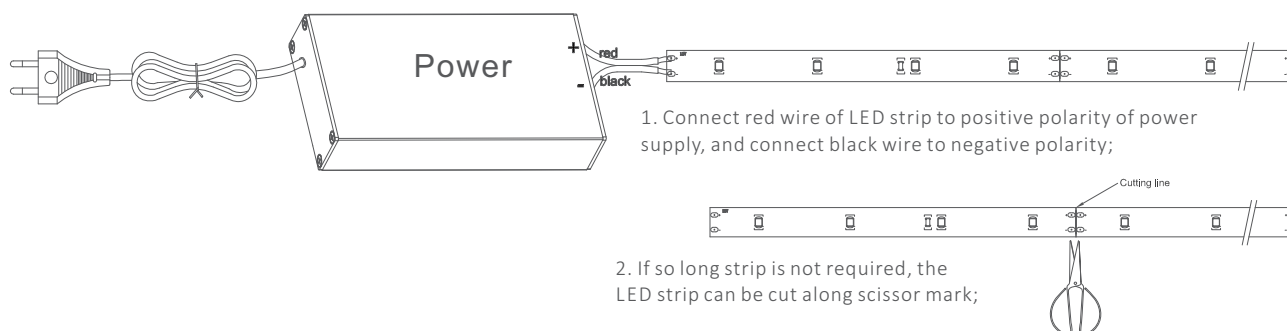


Figure 7

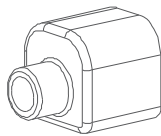
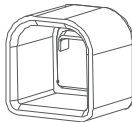
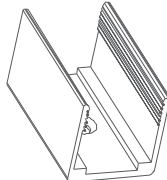
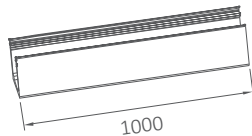
Bending direction and bending radius



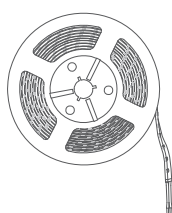
Wiring diagram



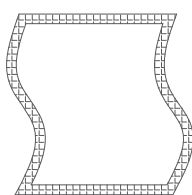
Accessories for IP65 version

Name	End cap with hole	End cap without hole	Mounting clip	Mounting Channel
Picture				
Qty.	2pcs/5M	2pcs/5M	20pcs/5M	optional

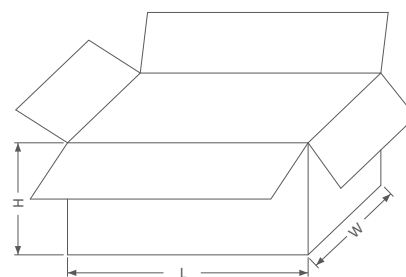
Packaging information



LED strip

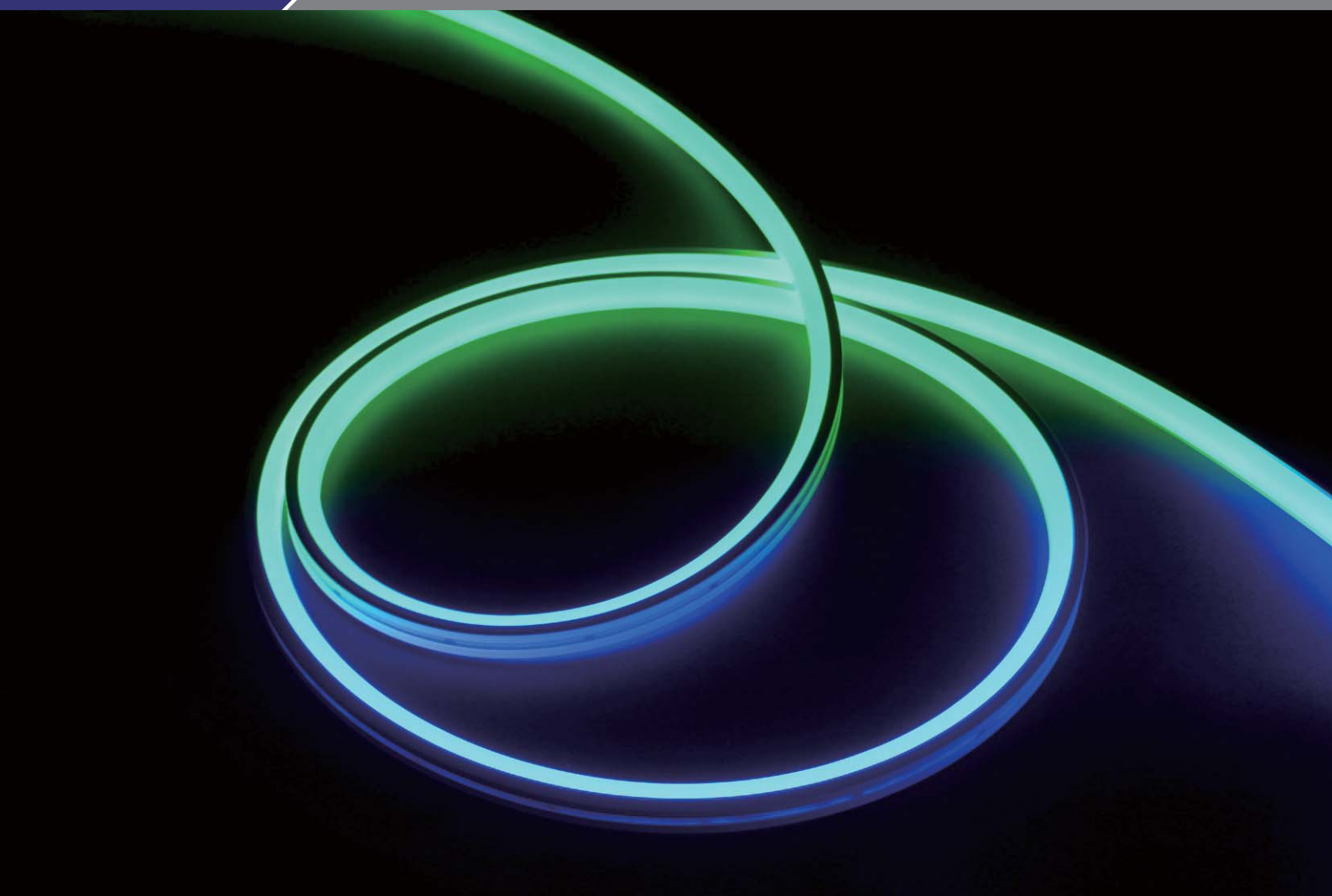


Anti-static bag



Packing box

LED strip	Anti-static bag	Packing Box		
Part Number	Gross Weight per Reel	QTY per Carton	Size(cm/inch)	Gross Weight
SC-TSE1228-3S-128-XX-24V SC-TSE1228-3S-120-RGB-24V	0.95Kg	20 Reels	35cm*35cm*35.5cm 13.78"*13.78"*13.98"	19.67Kg



Installation requirement

- The LED strip and accessories can't be squeezed or folded.
- PCB conductive parts can't be damaged when installation.
- Installation must conform to electrical safety standard. The LED strip can only be installed by professionals.
- Ensure power supply transform operating load with transformer.
- When install on metal or conductor surface, insulation protection need to be provided to the contact area.
- Observe positive and negative polarity, ensure correct connection to avoid damaging LED strip.
- When installation, please prevent static electricity.
- The product need anti-corrosion environment, such as, avoiding damp, water drop or other adverse elements.



Yijia Industrial Park, Fuqian Road, Guanlan
Town, LongHua, Shenzhen, Guangdong, China

Tel:+86-755-27608650
Fax:+86-755-27608651
www.signcomplex.com
sales@signcomplex.com