Flex Led Neon Light

N1023D-Series

| IP67 | UV RESISTANT | FLAME RESISTANT | SALTWATER RESISTANT | SOLVENT RESISTANT | 60℃ -25℃ |

| Indoor | outdoor | CE | RoHS | WARRANTY 3 YEARS | Anti yellowing |

Product Specification

LED strip colloid specifications comparison

| Materials / Main parameters	Silicone flexible led strip	PVC flexible led strip	Notes
Colloid features in -40℃	No crack after 30 days	Totally cracked	The low temperature resistant of silicone is superior than PVC or epoxy materials
Colloid features in 120℃	No obvious change after 72 hours	Colloid changed into yellow and deformed after 2 hours	The high temperature resistant of silicone is superior than PVC or epoxy
Colloid features in 180℃	No obvious change after 72 hours	Colloid changed into brown and some melted after 20 minutes	Over 150℃, PVC is easily hydrolyzed, Viscosity becomes weaken and easily seperated
Steadily lighted in Seawater for 72 hours	No obvious change	Serious atomization on the surface	The waterproof grade of silicone led strip can reach to IP67, high resistance to acidic alkali and salt properties
Thermal conductivity	Good thermal conductivity	No thermal conductivity	Pvc and epoxy cannot conduct heat, while silicone has good thermal conductivity

Product features

- Anti-yellowing and heat resisting silicone glue, chemical resistance acid and alkaline,available for extremely terrible outdoor environment.
- Uniform and soft luminance, no light spot.
- Super brightness large chip, golden wire welded and copper led holder for quicker heat dissipation, higher stability, longer life span.
- Leadless SMT technique (RoHS certificated), smooth welding joint, firm connection of led and pcb.

Specification

Bending (Silicone)

Luminous surface

Ø13,2

Min.Bending Diameter
100mm
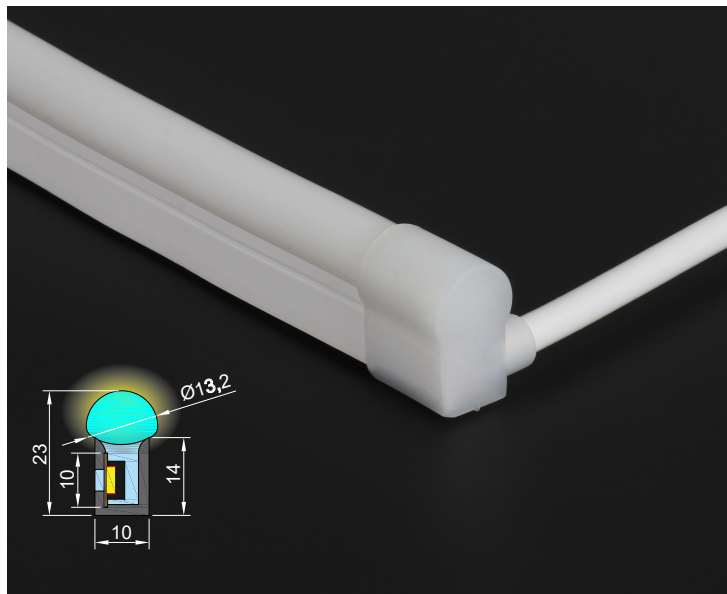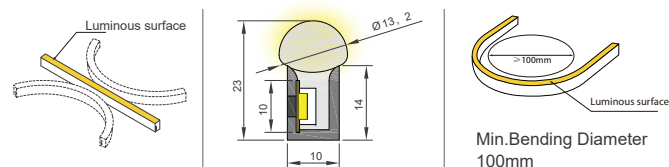
IP67 Protection	**Flame Resistant**	**UV Resistant**	**Solvents Resistant**	**Saltwater Resistant**
Dirt Resistant	**CRI90**	**3 Years Warranty**	**Ambient Working**	**Anti Yellowing**

Model Number	N1023D	Size (mm)	10*23
PCB Limited (mm)	10mm	IP Grade	IP67
Working Temperature	–25 to 60°C	N.W.(G/M)	270g

Dimensions of light

300mm   L≈5000mm   300mm   23mm   10mm
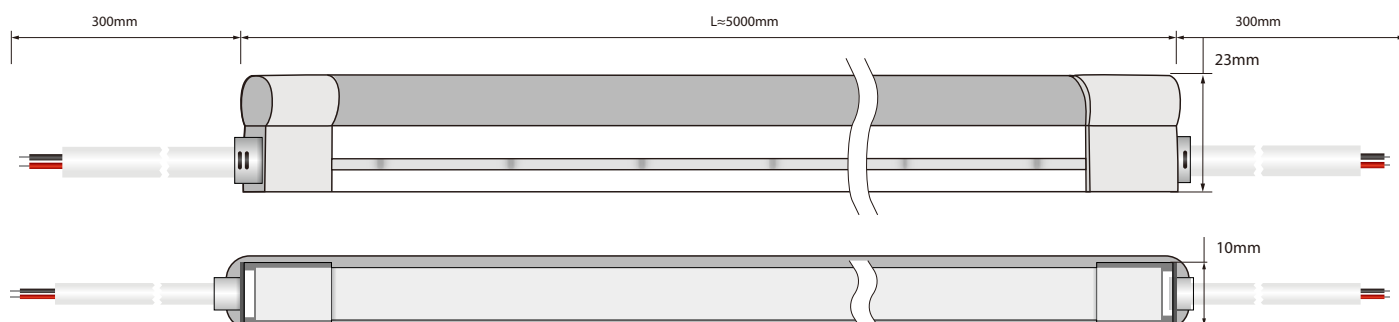
VARIOUS CONNECTIONS

Silicone glue endcap

front cable entry

side cable entry
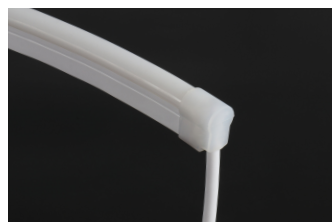
bottom entry

closed

Recommend LED strip parameters

1) N1023D-WHT

SMD2835, 120 LED/meter

Part number	Color		Luneh/M (LEDS)	Unit cut	Cut every (LEDS)	LED Qty/M	Voltage	Power/M	Max run length
2835-120-24V	WW		626	50mm	6	120	24V	14.4W	5 meters from one end
	NW		661						
	CW		650						

2) N1023D-TW

SMD3527,120LED/meter, Dual color.

Part number	Color		Luneh/M (LEDS)	Unit cut	Cut every (LEDS)	LED Qty/M	Voltage	Power/M	Max run length
3527-120-24V	WW		236	50mm	6	120	24V	14.4W	5 meters from one end
	CW		266						

3) N1023D-RGB

3528 RGBW LED Strip,120 LED/Meter

Part number	Color		Luneh/M (LEDS)	Unit cut	Cut every (LEDS)	LED Qty/M	Voltage	Power/M	Max run length
3528RGB-120-24V	Red		53	50mm	6	120	24V	14.4W	5 meters from one end
	Green		157						
	Blue		33						

4) N1023D-RGBW

5050 RGBW, 96 LED/Meter

Part number	Color		Luneh/M (LEDS)	Unit cut	Cut every (LEDS)	LED Qty/M	Voltage	Power/M	Max run length
5050RGBW-96-24V	Red		43	62.5mm	6	96	24V	15W	5 meters from one end
	Green		120						
	Blue		23						
	WW		121						
	NW		128						
	CW		126						

5) N1023D-SPIRGB

5050 RGB, 84 LED/Meter

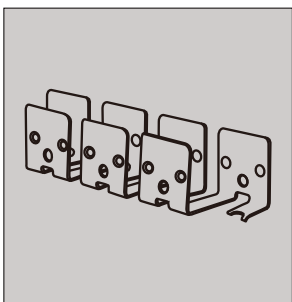| Part number	Color		Luneh/M (LEDS)	Unit cut	Cut every (LEDS)	LED Qty/M	Voltage	Power/M	Max run length
5050RGBIC-84-24V	Red		53	71.43mm	6	84	24V	15W	5 meters from one end
	Green		157						
	Blue		33						

N1023D-Accessories
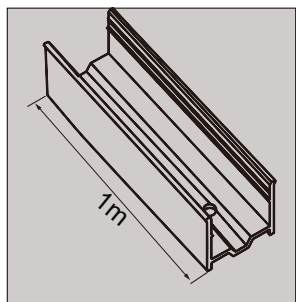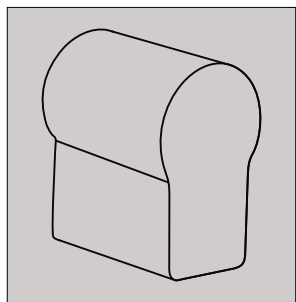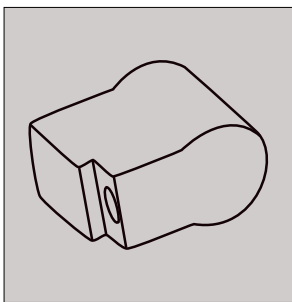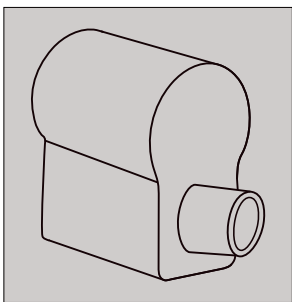
LED profile:
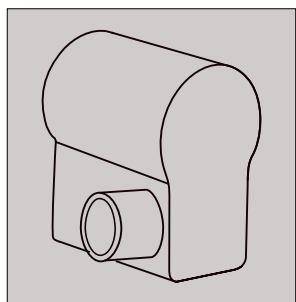1m/pc
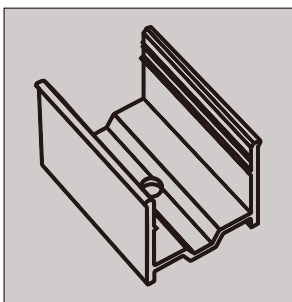
Mounting clip
(Optional)

Curved profile
1m/pc

Closed silicone
endcap

Silicone endcap
-bottom

Silicone endcap
-front

Silicone endcap
-side
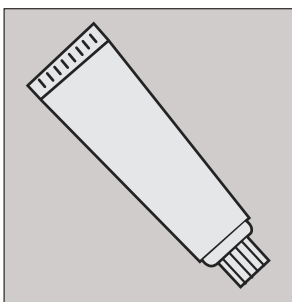
Glue

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		0D: 4.0mm /Inner core: 20AW/G	●●	Red V+,Black V-
		0D: 4.5mm /Inner core: 20AW/G	●●○	Black V+,White W,Yellow WW
		0D: 4.5mm /Inner core: 20AW/G	●●●	Black V-,Red V+,Green DATA
		0D: 4.5mm /Inner core: 20AW/G	●●●●	Black V+,Blue B,Green G,Red R
		0D: 6.0mm /Inner core: 20AW/G	●○●●●	Black V+,White W,Blue B,Green G,Red R

Note: For more accessories, please contact our sales.

Driver & Cotronller

Order code: XLG-150-24-A
AC100-305V DC24V 150W
IP67, Global certification.
Non Dimmable.

Order code: ELG-150-24B
AC100-305V DC24V 150W
IP67, Global certification
3in1 dimming function: 0-10Vdc,
10V PWM signal and resistance.

Order code: ELG-150-24DA
AC100-305V DC24V 150W
IP67, Global certification
Dali control technology.

Order code: ELG-150-24DA
AC100-305V DC24V 150W
IP67, Global certification
Dali control technology.

SD Card programe controller. SMD
Capacity supports 128MB-32GB

For RGB IC- SP105E Magic controller
*For more info please contact our
sales

RGB+W controller： 4 Channel
DC12V/24V, 6A, RGB+W, RF remote
with finger touch ring.

RGB Controller： 3 Channel
DC12V/24V, 6A RGB controller, RF
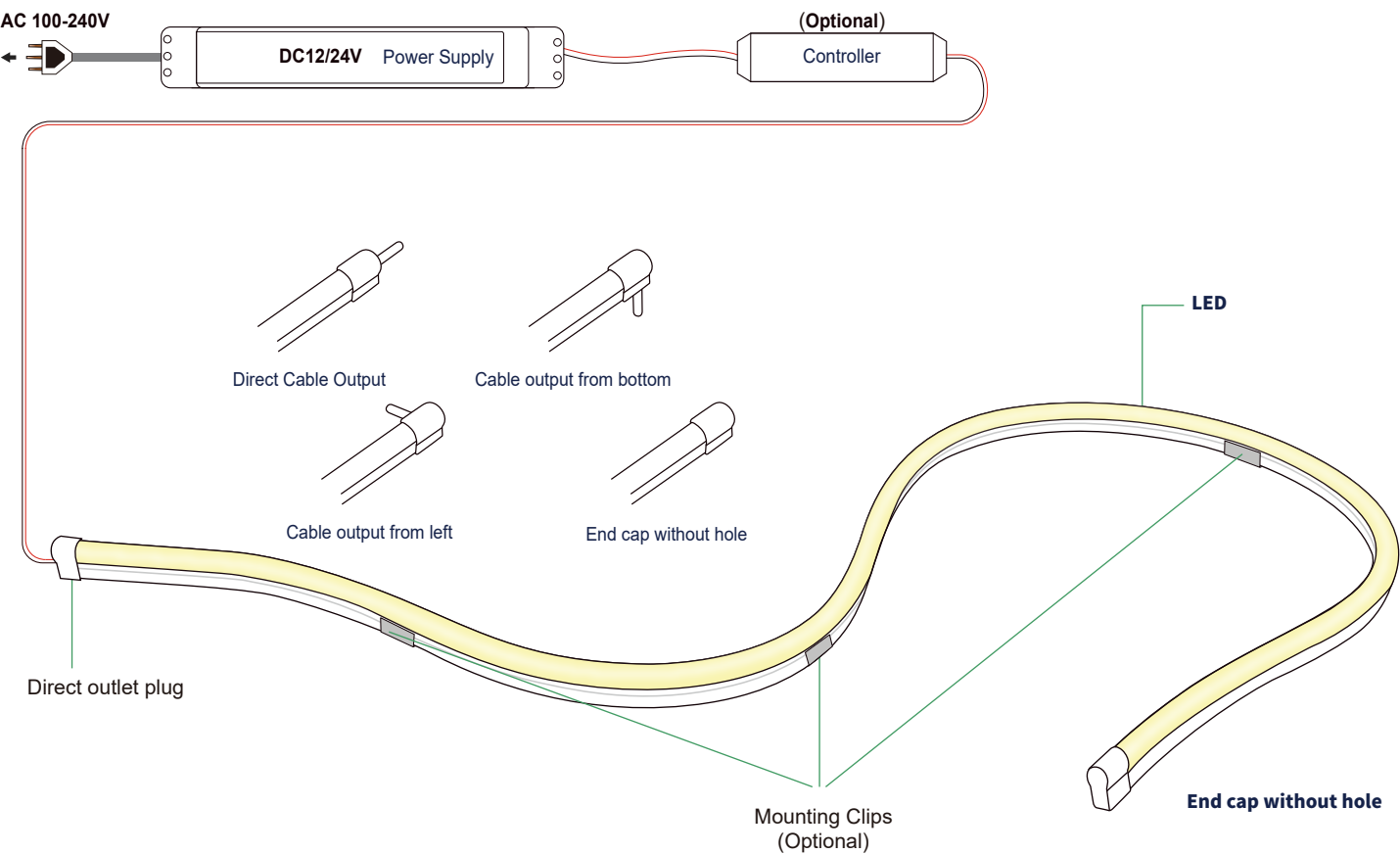remote with finger touch ring. .

Dimmer:1 Channel DC12V/24V, 6A,
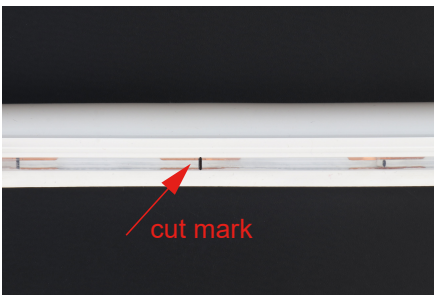Dimmer, RF remote with finger touch
ring.

CCT Adjustable- 2 Channel
DC12V/24V,6A, CCT adjustable, RF
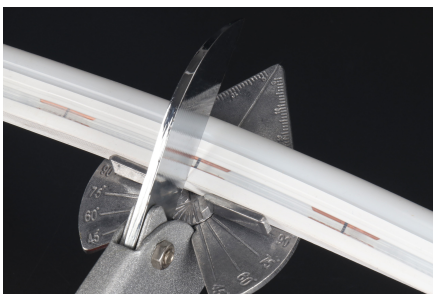remote with finger touch ring.

Product system solutions

AC 100-240V

DC12/24V Power Supply

(Optional)
Controller

LED

Direct Cable Output

Cable output from bottom

Cable output from left

End cap without hole

Direct outlet plug

Mounting Clips
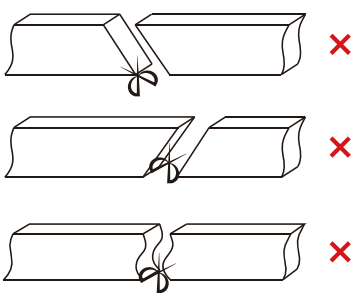(Optional)

End cap without hole

Cut mark

cut mark

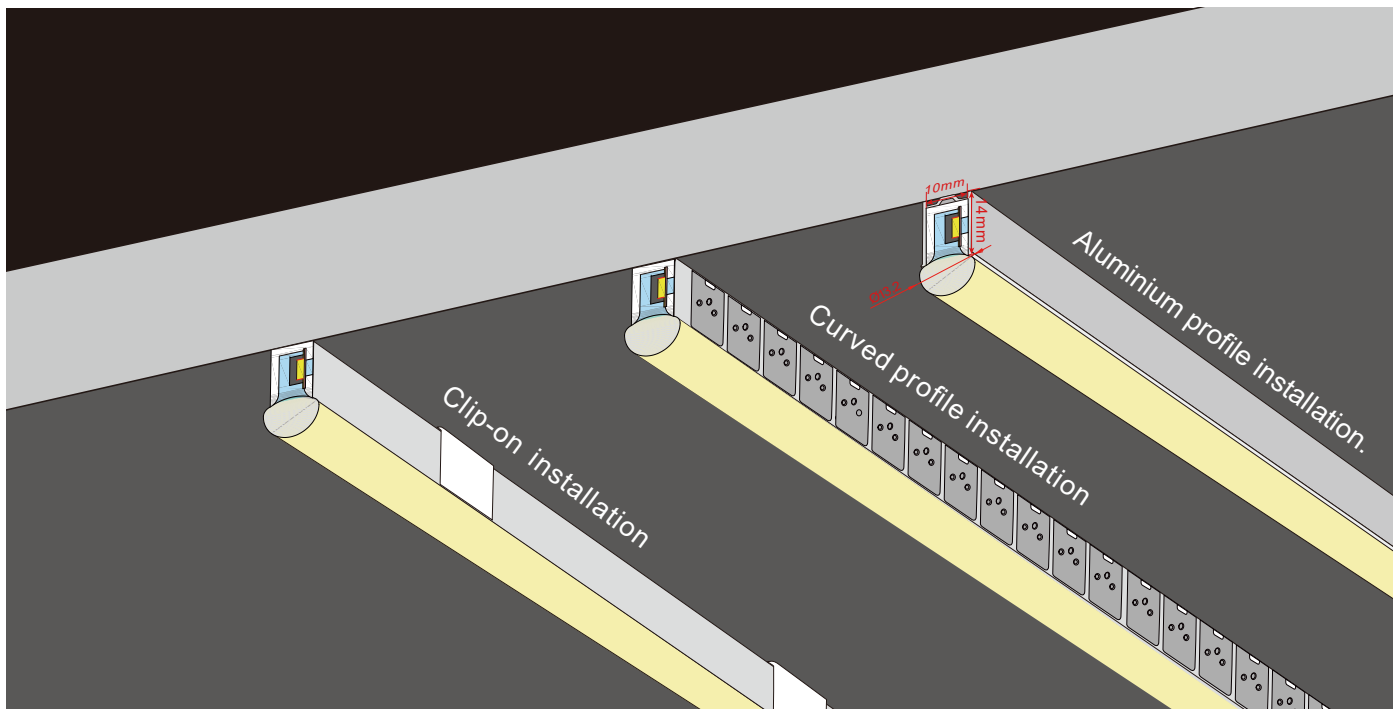Remarks: There is a transparent window at the bottom of the light strip,

Make precise vertical cuts at the exact cut position of the light strip.

Please do not arbitrarily cut or cut into a bevel and arc section.
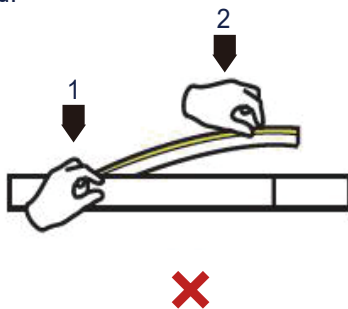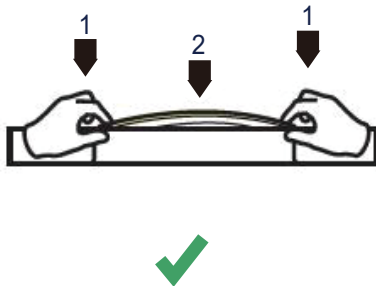

Installation

This product is suitable for surface mounting.

Clip-on installation

Curved profile installation
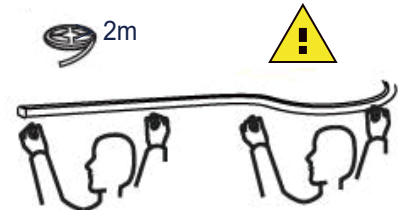
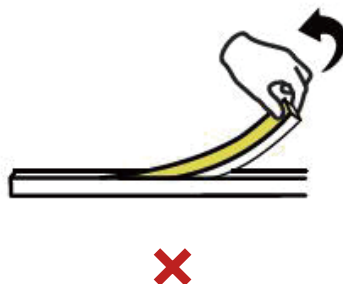Aluminium profile installation.

10mm
4mm

Installation of carrier

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

1   1
2

✔

2   1

�‼

⚠ 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.

✔

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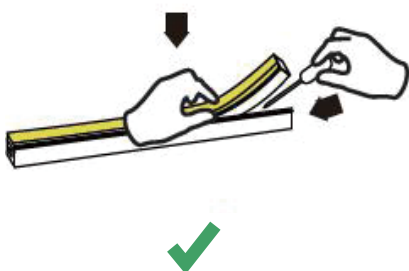
⚠ If the length of LED strip is over 2m, it is recommended to disassemble by two persons.

2m   ⚠

StarFlex Pty LTD

📞 TEL: 1800862100   ✉ Email: sales@starflex.com   📍 Add: 470 St Kilda Rd Melbourne 3004 Victoria Australia

Cautions

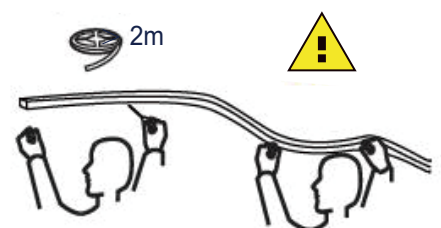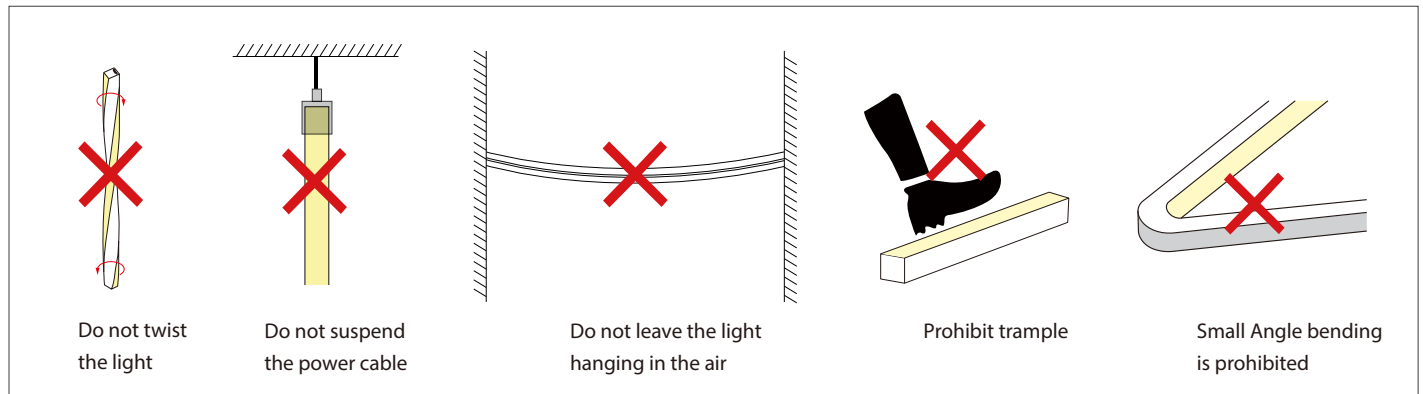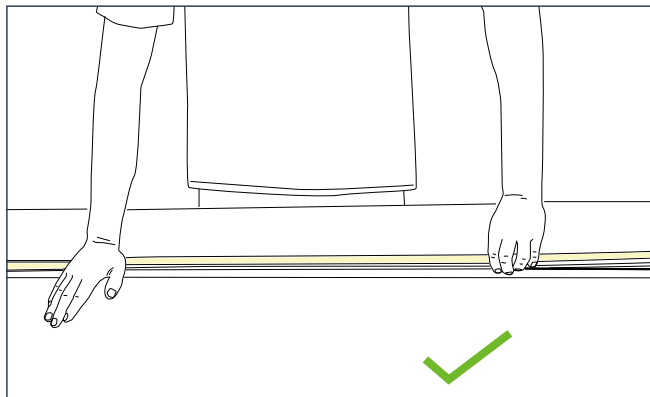• Please notice that the strips are not bendable to all directions. As the appropriate specific shape and degree, please follow the following instruction.

• LED strips are low voltage products, you must use the power supply (transformer). Please don't connect the led strip directly to the AC 110V or AC 220V. Otherwise, it will burn out the LED strips and lead to safety (security) accidents.

• Please read the specifications thoroughly before installation by professional staff to make sure the safe use.

Wrong bending way

| Do not twist the light | Do not suspend the power cable | Do not leave the light hanging in the air | Prohibit trample | Small Angle bending is prohibited |

Correct bending way

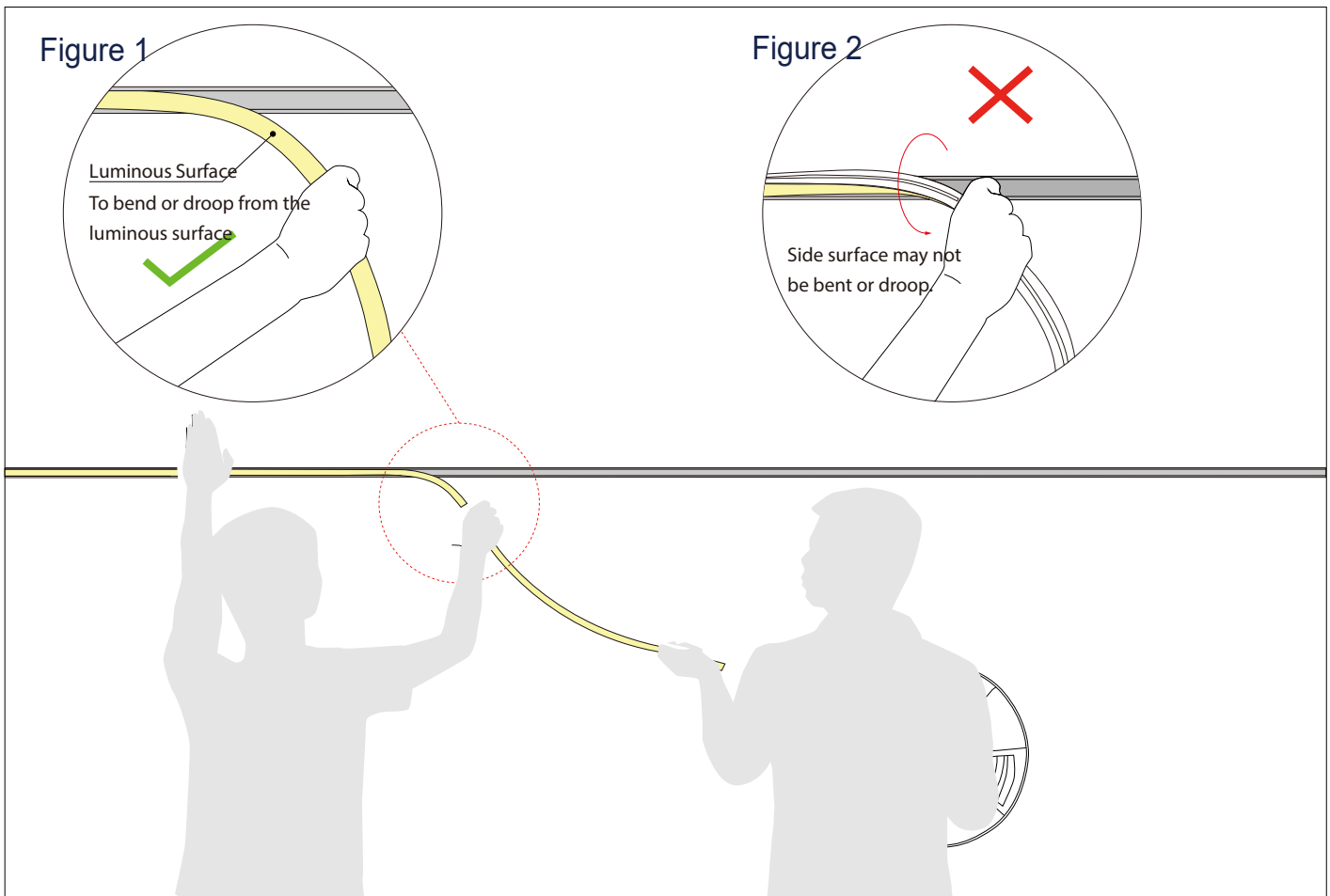- Please press the led strip with your palm to slowly insert the led strip into the groove, and gently straighten the led strip above the groove with your right hand.
- Try to keep the led strip in a flat state during the installation process.
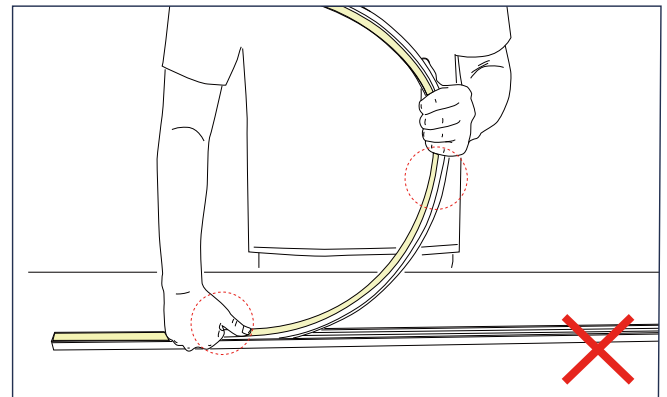
- Do not press the led strip with a single finger, it is easy to damage the internal parts of the led strip.
- The bent arc of the led strip should not be too large during installation.

Installation Precautions -- Side Mounted

(If the length of the light is more than 2 meters, two persons must work together to install it.)

Figure 1

Luminous Surface
To bend or droop from the luminous surface

Figure 2

Side surface may not be bent or droop.

1.Installer:

- Press the light with the palm of the left hand to slowly load it into the slot. Straighten the light with right hand so that it droop it in the direction of your hand. See Figure 1.

- Side surface may not be bent or droop，See Figure 2.

2. Assistant:

-Cooperate with the installer to lift the reel of the light, and then slowly deliver the light to installer. Do not pull or twist the light during the installation.

Package of neon strip (5M/Roll)

5m/Roll → Pack in Anti-Static bag → Put 5 plates per carton → Pack with Outer Carton Size: 45*45*30CM