

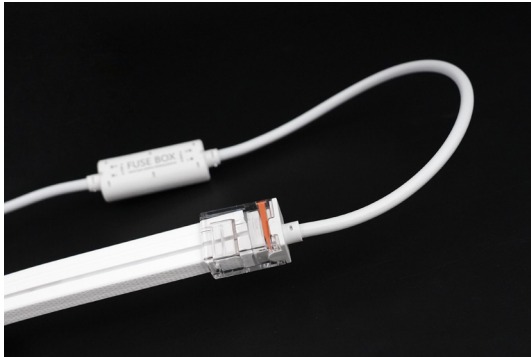


SILICONE NEON STRIP

PRODUCT SPECIFICATION

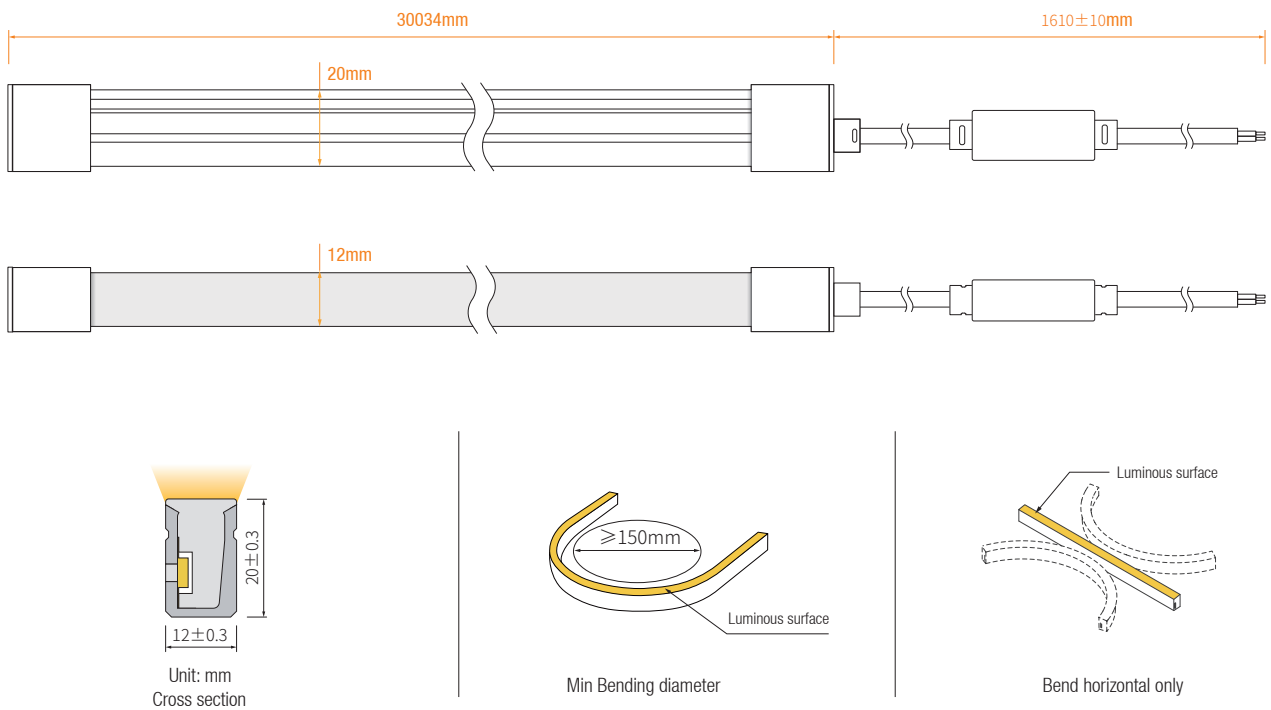
HL-NS1220-AC

Side Bend



- It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
- Environmental protection grade silicone material, integrated extrusion molding process.
- Unique optical light distribution structure design, uniform lighting surface and no shadow.
- IP67 protection level, salt solution resistance, acids & alkalis, corrosive gases, fire and UV
- Excellent toughness, simple and stylish appearance, delicate and unique
- 3 years warranty, working life ≥ 30000 hours;

Dimension structure



Electrical Parameter

Voltage	AC230V
LED PIN Temperature	Max. 65°C
Storage Temperature	-25°C~ 60°C
CRI	≥ 90

Specification

Power(w/m)	12W/M
Efficacy(lm/w)@4000K	43.3lm/w
Working Temperature	-25°C~ 45°C

Due to the tolerance of the production and electrical components, output value and electrical power can vary up to 10%



Horizontal Bending



Vertical Bending



Only One Bin



Resistant Saltwater



UV Protection



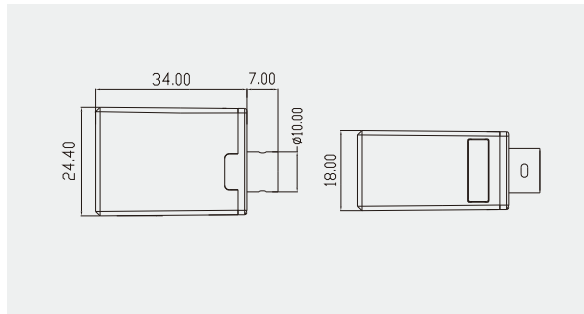
Resistant to solvents

Single color

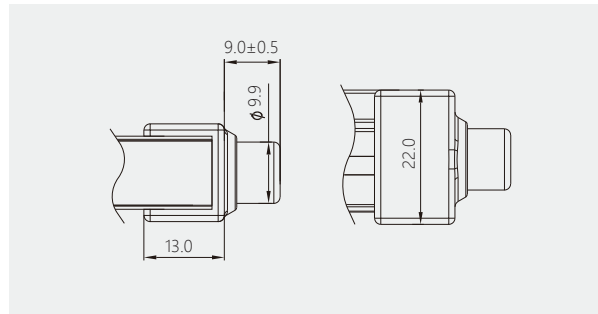
CCT(K)	CRI	SDCM	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)
1800±100	≥90	--	AC230	12	349	29.1	100	30
2400±150	≥90	--	AC230	12	427	35.6	100	30
2700±150	≥90	--	AC230	12	487	40.6	100	30
3000±150	≥90	--	AC230	12	503	41.9	100	30
3500±200	≥90	--	AC230	12	521	43.4	100	30
4000±300	≥90	--	AC230	12	519	43.3	100	30
5000±400	≥90	--	AC230	12	529	44.1	100	30
6500±400	≥90	--	AC230	12	516	43.0	100	30

- The maximum series length refers to the maximum single end power supply length of the constant current strip under the condition of standard 30cm wire .
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Various End Caps



Screwless assembly end cap



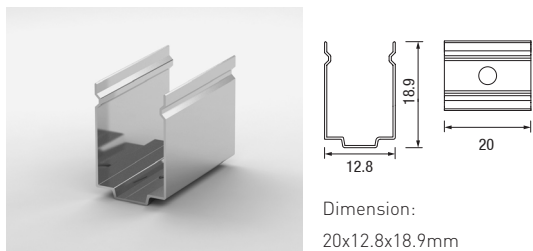
External hydraulic end cap

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD6.8mm: 2X1.0mm ² white round wire		Brown V+, Blue V-

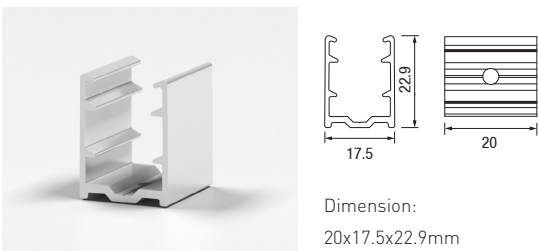
Mounting Way

Mounting Clips



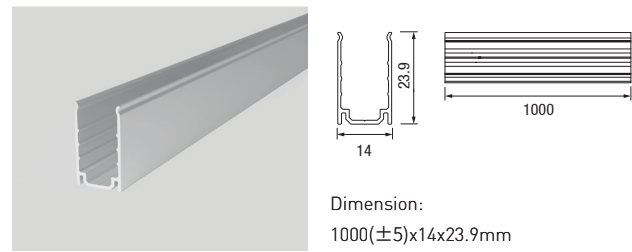
Dimension:
20x12.8x18.9mm

Aluminium Mounting clips



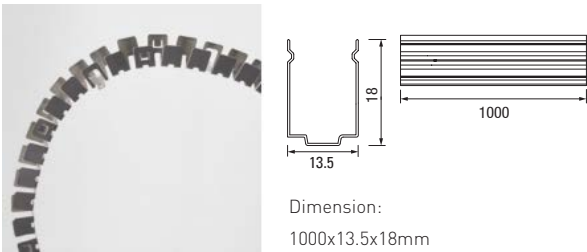
Dimension:
20x17.5x22.9mm

Aluminium Profile



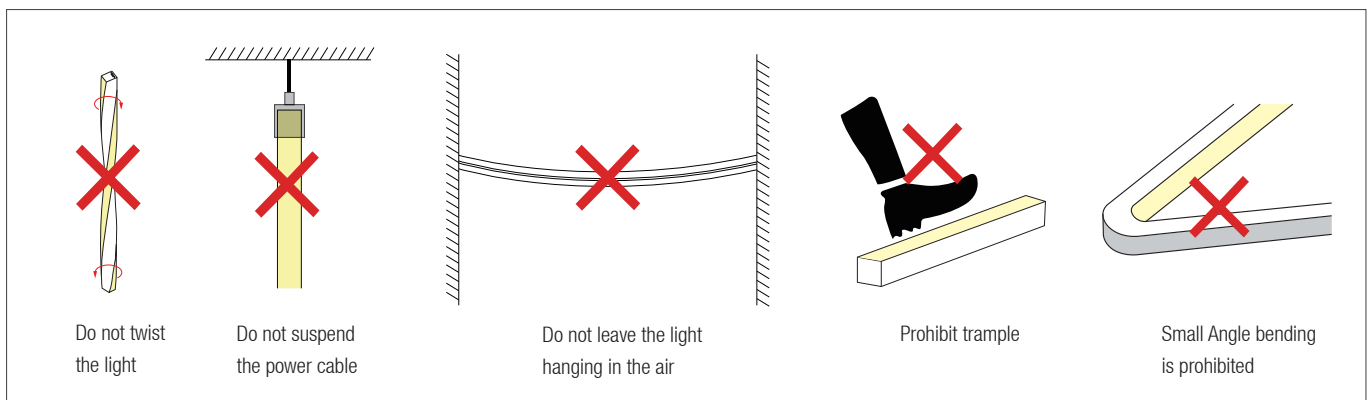
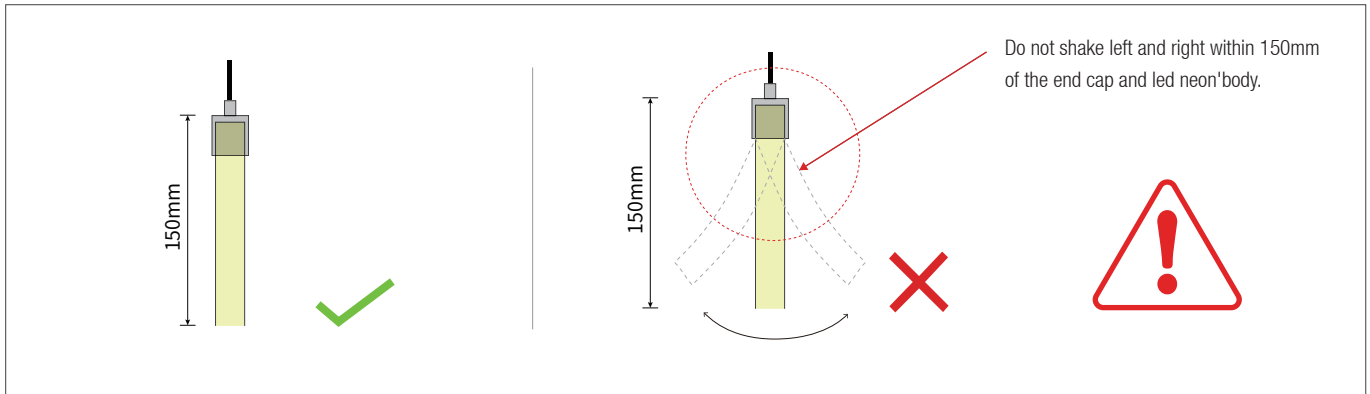
Dimension:
1000(±5)x14x23.9mm

Flexible profile

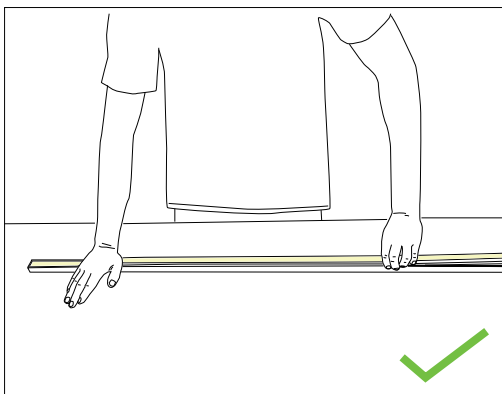


Dimension:
1000x13.5x18mm

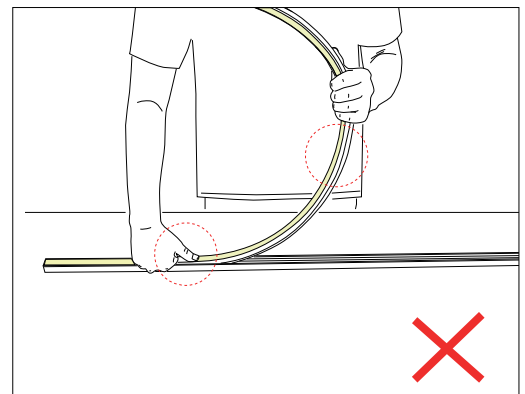
Installation Precautions



Put it in the profile

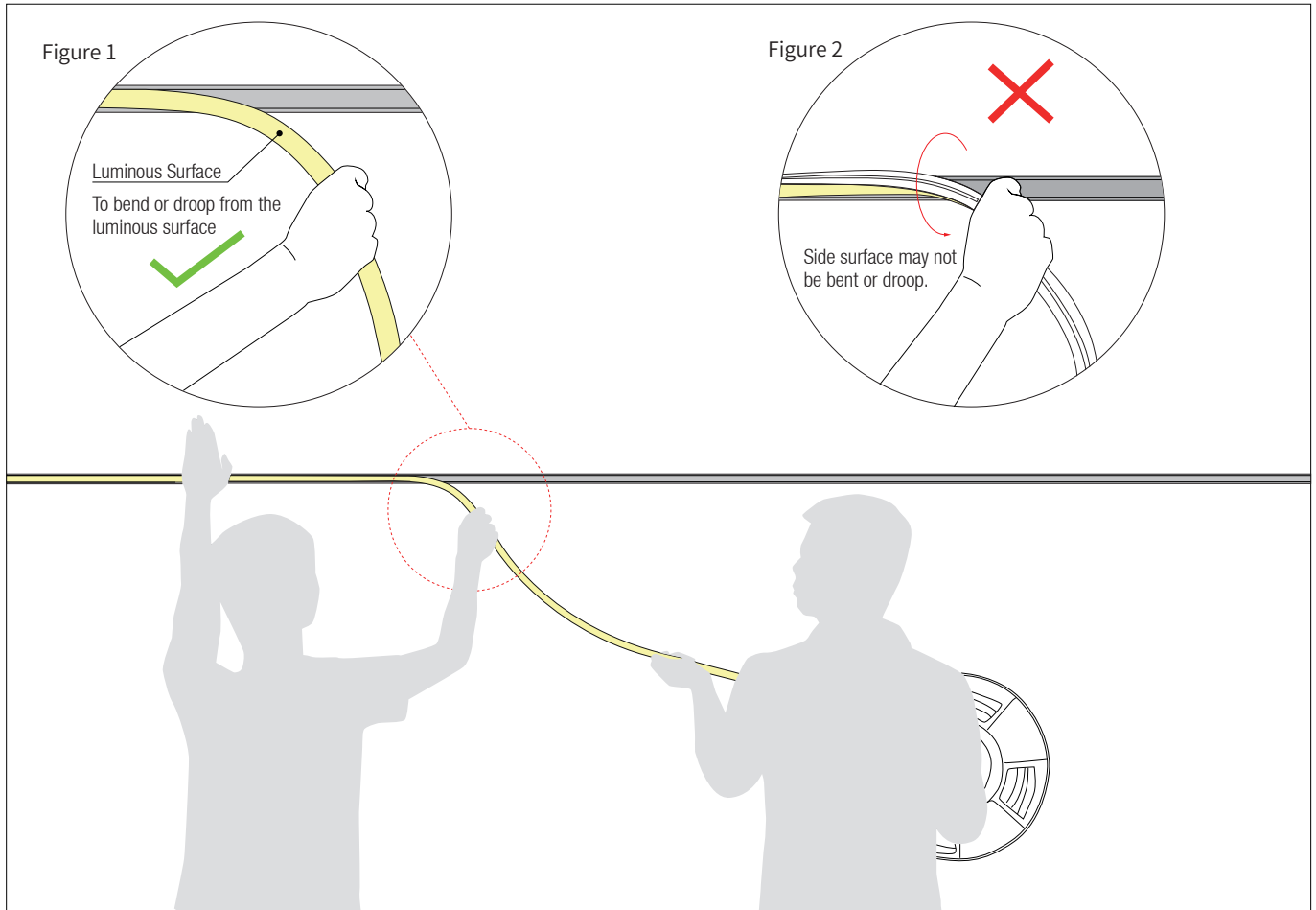


- Please press the LED strip with your palm to slowly insert the LED strip into the groove, and gently straighten the LED strip above the groove with your right hand.
- Try to keep the LED strip in a flat state during the installation process.



- 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.)



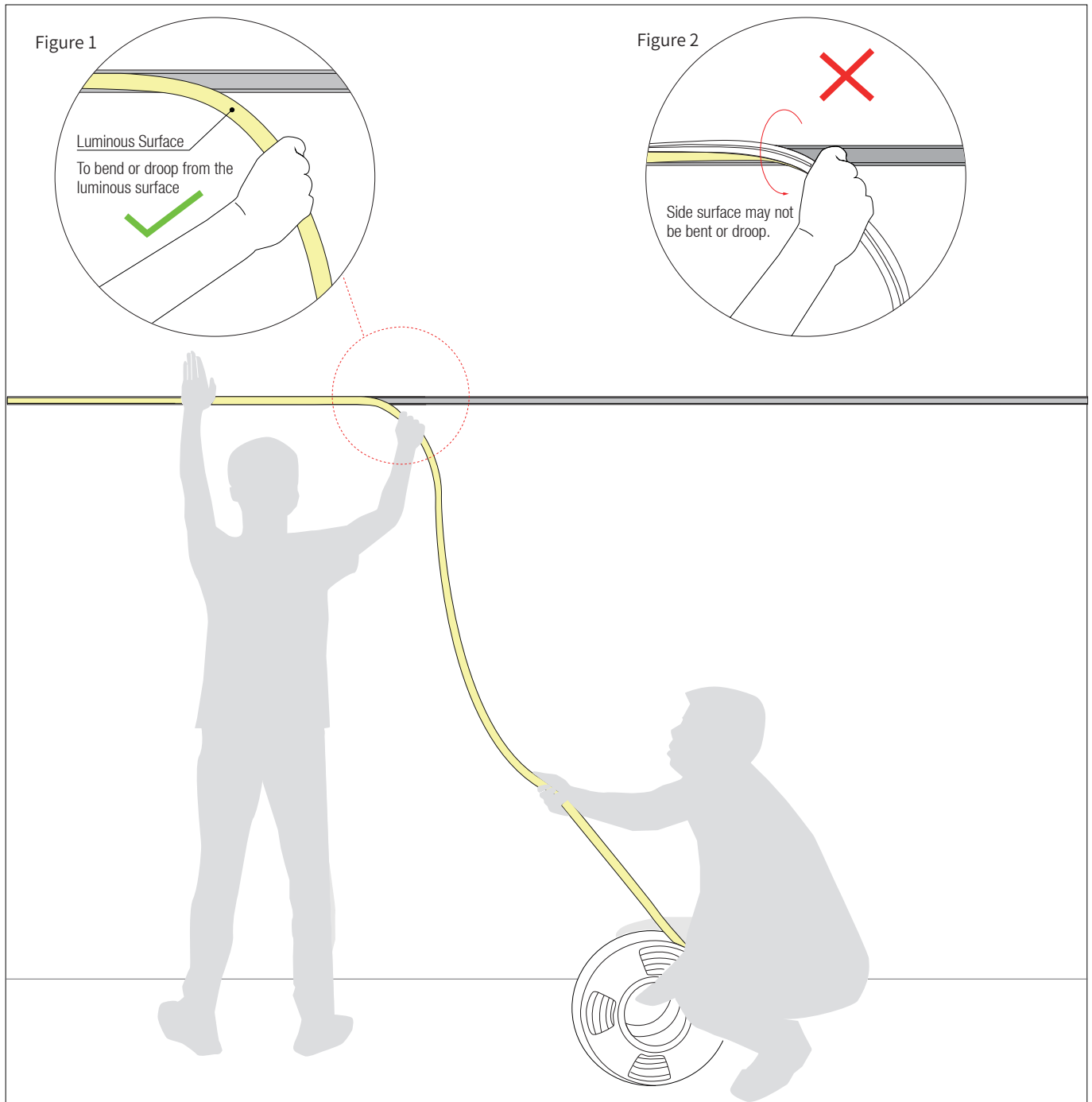
1. Installer:

- 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.

Installation Precautions --- Side Mounted (If the length of the light is more than 5 meters, two persons must work together to install it.)



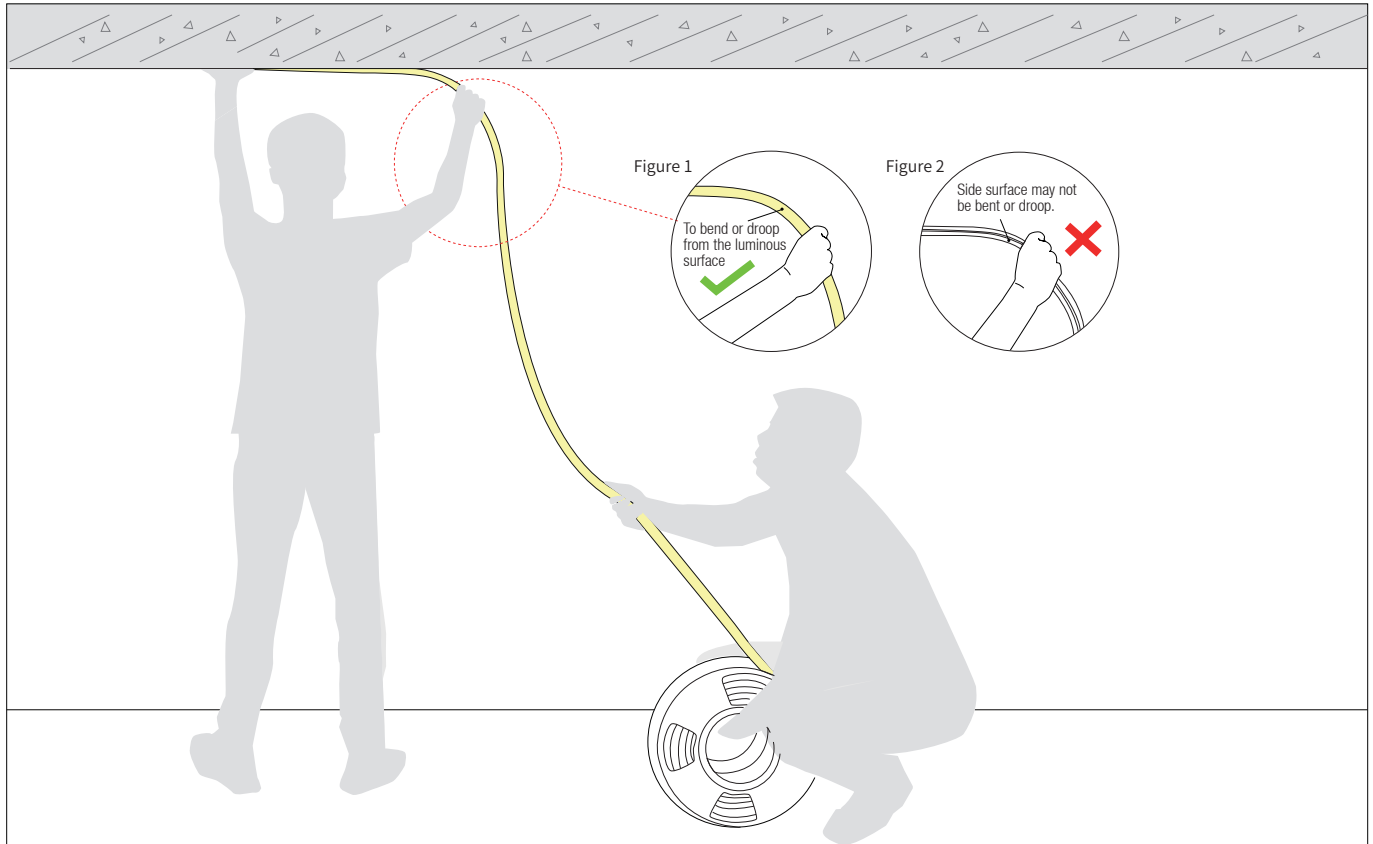
1. Installer:

- 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 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 slowly deliver the light to installer. Do not pull or twist the light during the installation.

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



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, hold it and rotate it 90° to 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 slowly deliver the light to installer. Do not pull or twist the light during the installation.

Notes

The selection of the cable specification at the output end of the power supply, it depends on the total current of the load and the length of the cable. It is recommended to select according to the following table:

Current of the light	Specifications of the cable								
	L=1M	L=2M	L=4M	L=6M	L=8M	L=10M	L=12M	L=14M	L=16M
1A	AWG26	AWG23	AWG21	AWG18	AWG18	AWG17	AWG16	AWG15	AWG15
2A	AWG23	AWG21	AWG18	AWG16	AWG15	AWG14	AWG13	AWG12	AWG12
3A	AWG22	AWG18	AWG16	AWG14	AWG13	AWG12	AWG11	AWG11	AWG10
4A	AWG21	AWG18	AWG15	AWG13	AWG12	AWG11	AWG10	AWG9	AWG9
5A	AWG20	AWG17	AWG14	AWG12	AWG11	AWG10	AWG9	AWG9	AWG8
6A	AWG18	AWG16	AWG13	AWG11	AWG10	AWG9	AWG8	AWG8	AWG7
7A	AWG18	AWG15	AWG12	AWG11	AWG9	AWG8	AWG8	AWG7	AWG6
8A	AWG17	AWG15	AWG12	AWG10	AWG9	AWG8	AWG7	AWG7	AWG6
9A	AWG17	AWG14	AWG11	AWG10	AWG8	AWG7	AWG7	AWG6	AWG5
10A	AWG16	AWG14	AWG11	AWG9	AWG8	AWG7	AWG6	AWG6	AWG5

- ※ The pictures in the Product Specification are for reference only, please refer to the actual product.
- ※ The unused light should be sealed with the packaging bag to avoid prolonged exposure.
- ※ Wiring should be done according to the corresponding electrical construction standards of the country and protective devices such as air protection switch and leakage protection switch should be installed for the power supply lines.
- ※ This product is a line voltage product. During application, it is important to ensure that there are no sharp objects or sharp surfaces in contact with the lamp body. During installation, care should be taken to avoid dragging or scratching the lamp body shell, which may cause damage or breakage. Otherwise, there is a risk of losing protection, resulting in leakage or short circuits, leading to unnecessary losses.
- ※ It is recommended to have professional personnel handle the power wiring connections. It is strictly prohibited to connect the power supply while it is live to prevent electric shock.
- ※ If the actual application length exceeds the specified length, it will lead to overload, heating and uneven brightness of the light.
- ※ To ensure the life and reliability of the light, please do not over bend the light, which will damage the product itself.
- ※ To protect your eyes, please avoid staring at the glowing surface of the light for a long time.
- ※ Non-professionals are forbidden to install, disassemble and maintain the product.
- ※ Do not use any acid or alkaline adhesive to fix the light (including but not limited to glass glue, etc.)
- ※ IP65 products are not suitable for long-term immersion in water;
Because of the difference in structure, even if the same color temperature value, different sizes of light will look slightly different colors.
Please confirm it before use.

Tests showed that methanol and benzenes will have yellowing effects on silicone. In the newly decorated interior environment, epoxy floor paint, wall paint, wallpaper adhesive, various decoration materials or new furniture, they are likely to release of methanol and benzenes. It is recommended to remove methanol and benzenes first, or ventilate for a period of time in the newly decorated interior environment before install the silicone neon light, to avoid affecting the silicone body.

**Specialized
LED strip Manufacturer**

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