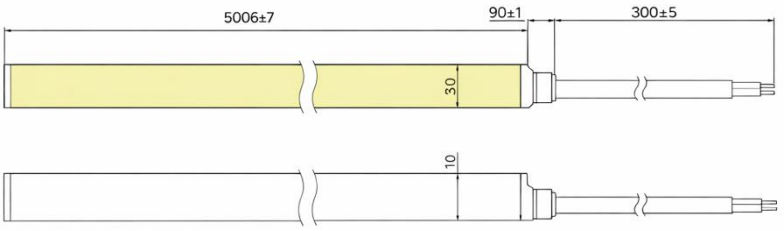
GOMA 3D 1617

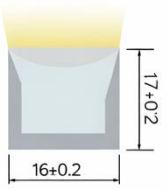
Flexible Neon LED

GOMA 3D 1617 is a flexible silicone neon LED strip designed for refined architectural lighting and three-dimensional applications. Its co-extruded construction provides uniform, dot-free illumination with controlled top and side emission. Supporting both vertical and horizontal bending, it enables smooth curves and complex forms.

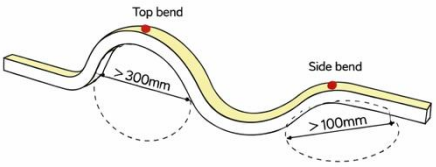
With an IP67 rating, UV resistance, and precise cutting intervals, GOMA 3D 1617 is suitable for indoor and outdoor use across façades, coves, signage, and landscape features.

Dimension structure (Unit: mm)





Cross section



Dote Min bending diameter of Top bend=300mm,
Min bending diameter of Side bend=100mm

Electrical Parameter

Voltage	LED PIN Temperature	Storage Temperature	Ambient Temperature
DC24V	Max. 65℃	-25℃ - 60℃	Min -25℃ Max(Table below)

Specification

Power (w/m)	Efficacy (lm/w)@4000K		Max Ambient Temperature	
9.6	CV: 74.5	55℃	55℃	45℃
4.8	CC: 71.4	55℃	55℃	45℃
4.8	CC: 71.4	55℃	55℃	45℃

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

Length Range (M)	Final Length (mm)	Tolerance
0<Neon Strip(L)<5	L+5	±7
5<Neon Strip(L)<10	L+5	±10
10<Neon Strip(L)<15	L+5	±13
15<Neon Strip(L)>20	L+5	±16

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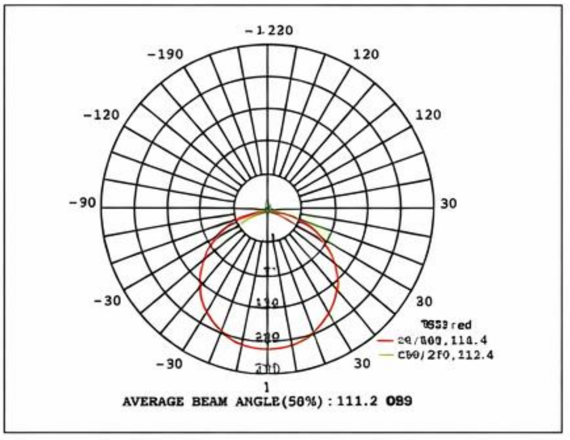
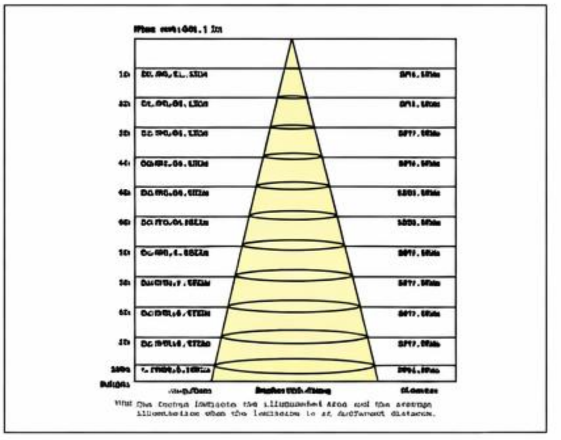
Light Distribution Curve



Illuminance curve



Note: The above date is based on 24V /10W/M/single colour with 4000K colour temperature. If you need IES files for other types. Please contact our sales department.

Parameter Table

- The maximum series length refers to the maximum length of the light strip with single-end power supply in series under the stanaad 30CM cable.
- The given color temperature is the temperature of finished product.
- Due to the tolerance of the produc-tion process and the electrical components, values for light output and electrical power can vary no to 10%. All / products can be dimmed;
- The output frequency of the dimmer of the constant-current led light, should be less than 2K Hz, and (r output PWM can control the led light.

Single color (CV)

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length Max Rurt (M)	CC/CV
1800±100	≥90	DC24	5.C 6.8	995 932	85.2 93.2	8 3	CV CV
2100±150	≥90	DC24	4.8 6.8	5.56 3.56	95.4 96.3	8 8	CV CV
2400±150	≥90	DC24	4.8 6.8	5.65 6.59	85.2 66.3	8 8	CV CV
2700±150	≥90	DC24	4.8 6.8	5.65 3.56	95.4 86.3	8 8	CV CV
3000±150	≥90	DC24	4.8 6.8	5.65 6.58	86.2 66.3	8 8	CV CV
3500±200	–	DC24	4.8 6.8	5.56 6.56	95.4 66.3	8 8	CV CV
4000	≥90	DC24	4.8 6.8	5.55 6.58	85.2 66.3	8 8	CV CV
5000	–	DC24	4.8 6.8	5.55 6.56	95.4 66.3	8 8	CV CV
5000	–	DC24	4.8 6.8	5.55 6.58	84.2 66.3	8 8	CV CV
5000	–	DC24	4.8 6.8	5.56 6.56	95.4 66.3	8 8	CV CV
Green	–	DC24	4.8 6.8	5.56 6.59	84.2 66.3	8 8	CV CV
Blue	–	DC24	4.8 6.8	5.56 6.56	95.4 66.3	8 8	CV CV
Yellow	–	DC24	4.8 4.8	5.55 6.59	84.2 66.3	8 8	CV CV
Orange	–	DC24	4.8 6.8	5.56 6.56	95.4 66.3	8 8	CV CV
Pink	–	DC24	4.8 4.8	5.55 6.59	84.2 66.3	8 8	CV CV

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Flexible Neon LED

- The maximum series length refers to the maximum length of the light strip with single-end power supply in series under the standard 30CM cable.
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the producttion process and the electrical components, values for light ouiput and electrical power can vary up to 10%.
- All products can be dimmed, the dimmer's voltage should conform to the rated voltage of the led light.
- The output frequency of the dimmer of the constant-current led light sinould be less than 2K Hz, and the output PWM can control the led light.

Single color (CC)

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/M)	Unit Length (M)	CC/CV
1800±100	≥90	DC24	9.6	585	585	8	CV
2100±150	≥90	DC24	9.6	585	572	8	CV
2400±150	≥90	DC24	9.6	585	562	8	CV
2700±150	≥90	DC24	9.6	585	562	8	CV
3000±150	≥90	DC24	9.6	585	562	8	CV
3500±200	≥90	DC24	9.6	585	562	8	CV
4000	≥90	DC24	9.6	585	562	8	CV
5000	≥90	DC24	9.6	585	562	8	CV
6500±500	≥90	DC24	9.6	585	562	8	CV
4000	≥4.8	DC24	4.8	416	582	8	CV
5000	≥4.8	DC24	4.8	416	582	8	CV
6500±500	≥90	DC24	4.8	416	582	8	CV
Red	4.8	DC24	4.8	4.8	562	5	CV
Green	4.8	DC24	4.8	4.8	562	5	CV
Blue	4.8	DC24	4.8	4.8	562	5	CV
Yellow	4.8	DC24	4.8	4.8	562	5	CV
Orange	4.8	DC24	4.8	4.8	562	5	CV
Pink	4.8	DC24	4.8	4.8	562	5	CV

CCT Tunable

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/M)	Unit Length (M)	CC/CV
2700+6500	≥90	DC24/	10	585	53.5	9	CV
1800+6500	≥90	DC24/	10	567	56.7	5	CV

RGB

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/M)	Unit Length (M)	CC/CV
–	- -	DC24/	14	436	30.2	5	CV
RGB	- -	DC24/	14.4	436	30.2	5	CV

RGBW

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/M)	Unit Length (M)	CC/CV
2700±150	≥90	DC24/	17.7	481	27.1	5	CV
2500+6300	≥90	DC24/	16	481	27.1	5	CV

RGBW

CCT(K)C	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/M)	Unit Length (M)	CC/CV
2700±150	≥90	DC24/	17.7	481	27.1	5	CV
2500+6300	≥90	DC24/	18	481	27.1	5	CV

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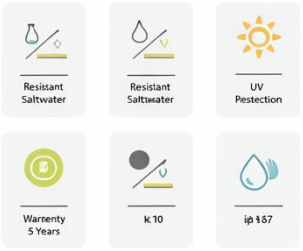

- The maximum series length refers to the maximum length of the light strip with single-end power supply in series under the standard 30CM cable.
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and of the light ompo•tand - ments:s valules for light output and elc- erical power can vary up to 10%.
- All products can be dimmed; the dim- mer is voltage should conform to the rated voltage of the led light.
- The output frequency of the dimmer of the constant-current led light should be less than 2K Hz, and the output PWM can control the led light.

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M	Efficiency (LM/W)	Unit Length (cm)	Max.RunLength (m)	CC/CV
R	--	DC24V	3.7	60	16.1	62.5	5	CV
G	--	DC24V	3.7	187	49.3	62.5	5	CV
B	--	DC24V	3.7	37	10.0	62.5	5	CV
3000+150	≥90	DC24V	3.7	187	52.1	62.5	5	CV
RGBW	--	DC24V	15	337	29.7	62.5	5	CV

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (cm)	Max.RunLength (m)	CC/CV
R	--	DC24V	3.7	60	16.1	62.5	5	CV
G	--	DC24V	3.7	187	49.3	62.5	5	CV
B	--	DC24V	3.7	37	67.8	62.5	5	CV
3000+150	≥90	DC24V	3.7	317	47.3	67.3	5	CV
RGBW	--	DC24V	15	437	29.7	62.5	5	CV

CCT(K)	RA	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (cm)	Max.RunLength (m)	CC/CV
R	--	DC24V	3.7	60	16.1	62.5	5	CV
G	--	DC24V	3.7	187	49.3	62.5	5	CV
B	--	DC24V	3.7	37	10.0	62.5	5	CV
4000+500	≥90	DC24V	15	137	67.3	62.3	5	CV
RGBW	--	DC24V	15	437	29.7	62.5	5	CV

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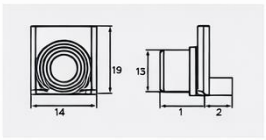
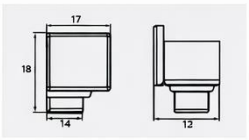
Cable Entry (Unit: mm)

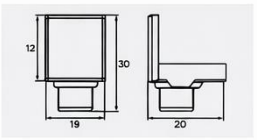
Integral End Cap (IP67)



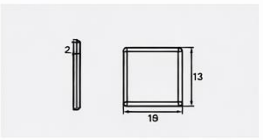
Front Cable Entry



Side Cable Entry



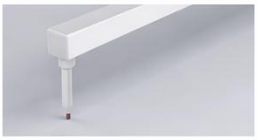
Bottom Cable Entry



Closed End cap

Front Cable Entry

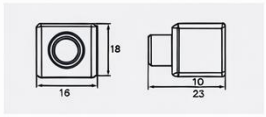
Side Cable Entry



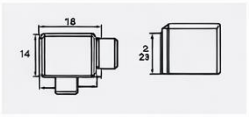
Bottom Cable Entry

Closed End cap

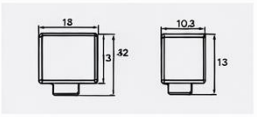
Silicone end cap (IP67)



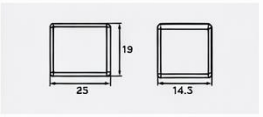
Front Cable Entry



Side Cable Entry

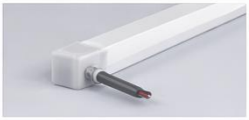


Bottom Cable Entry



Closed End cap

Front Cable Entry



Side Cable Entry

Bottom Cable Entry

Closed End cap

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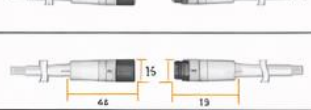
Flexible Neon LED

Cable

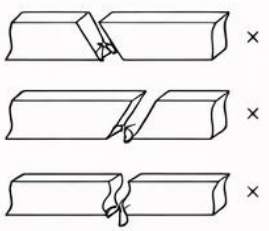
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
Applicable to Solder Free End Cap.		OD: 5.0mm / Inner core : 20AWG	●●○●	Black V-
		OD: 5.0mm / Inner core : 20AWG	●●●●	Black V-. Black V-
PVC Cable		OD: 5.0mm / Inner core : 20AWG	●●●●	Black V-. White W-
		OD: 5.0mm / Inner core : 20AWG	●○●●	Black V-. Blue B- Green G. Red
Waterproof Connector with PVC		OD: 5.0mm / Inner core : 20AWG M12Male / Female connector	●●○●	Black V-. Black V-
		OD: 5.0mm / Inner core : 20AWG	●●○●	Black V+. White W-
		OD: 5.0mm / Inner core : 20AWG	●●●●	Black V+. Blue B- Green G. Red
PVC Cable		OD: 5.0mm / Inner core : 20AWG M12Male / Female connector	●○●●	Brown V+. Blue B+
Applicable to Integral End Cap		OD: 6.0mm / Inner core : 20AWG	●●	Black V+. Black V-
		OD: 6.0mm / Inner core : 20AWG	●●●●	Black V+. White W+
Silicone Cable		OD: 6.0mm / Inner core : 20AWG M12Male / Female connector	●●●●	Black V+. Blue B- Green G. Red
		OD: 6.0mm / Inner core : 20AWG M12Male / Female connector	●●○●	Black V-. Black V-
Waterproof Connector with Sllicone Cable		OD: 6.0mm / Inner core : 20AWG M12Male / Female connector	●●○●	Black V+. White W+
		OD: 6.0mm / Inner core : 20AWG M12Male / Female connector	●●●●	Black V+. Blue B- Green G. Red
		OD: 6.0mm / Inner core : 20AWG M12Male / Female connector	●○●●	Black V+. Blue B- Green G. Red
Silicone Cable		OD: 5.0mm / Inner core : 20AWG	●●○●	Black V-. Black V-
		OD: 6.0mm / Inner core : 20AWG M12Male / Female connector M12Male / Female connector	●○●●	Black V+. White W+

Cutting Mark

Remark:

The black marker is the cutting mark

Use professional scissors to cut vertically at the cutting mark



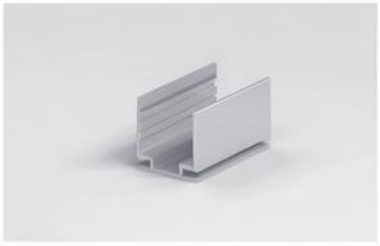
Please don't be feel free to cut and cut an oblique-angle or cambered section.

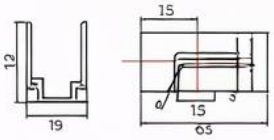
GOMA 3D 1617

Flexible Neon LED

Accessories (Unit: mm)

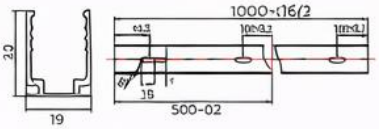
Aluminum Mounting clips





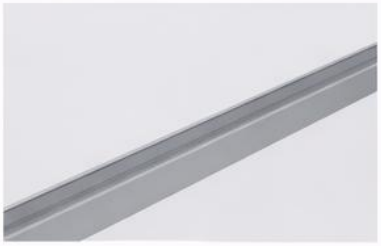
Length: 135X19x12
Accessories:
Screw M3x16 (SUS304)

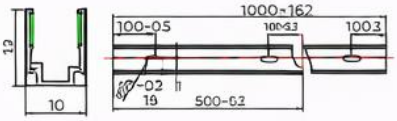
Aluminum Profile



Length: 1000X19x12
Accessories:
Screw M3x16 (SUS304)

Internal Gear Profile





Length: 1000x10x12
Accessories:
Screw M3x16 (SUS304)

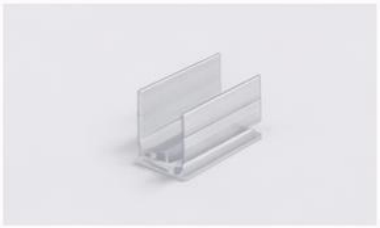
PC Profile

Length: 1000x19x12
Accessories:
Screw M3x16 (SUS304)

PC Profile

Length: 1000x19x12
Accessories:
Screw M3x16 (SUS304)

PC Clip



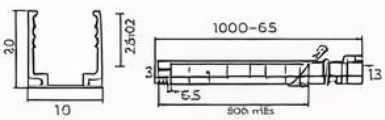
Length: 350x20x35
Accessories:
Screw M3x16 (SUS304)

Curved profile

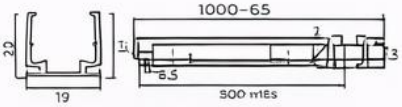
Length: 1000x10x30.4
Accessories:
Screw M3x16 (SUS304)

Length: 1000x20x35
Accessories:
Screw M3x16 (SUS304)

Length: 350x35-25
Accessories:
Screw M3x16 (SUS304)



Length: 1000x10x30.4
Accessories:
Screw M3x16 (SUS304)

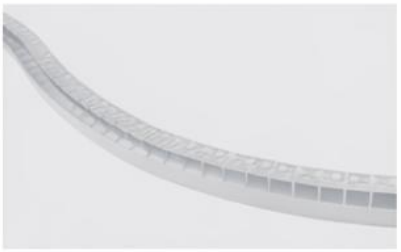


Length: 150x10x30.4
Accessories:
Screw M3x16 (SUS304)

GOMA 3D 1617

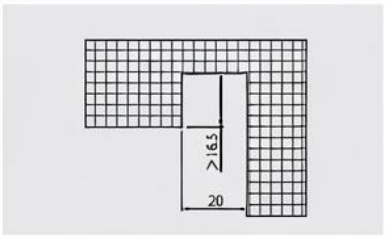
Flexible LED Strip Light

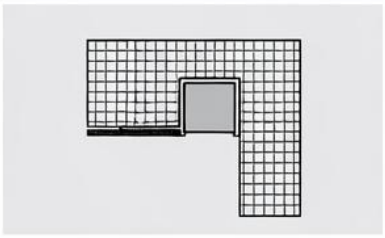
Flexible Recessed
Single-Sided Aluminum Profile

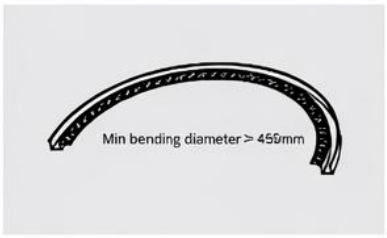


Length:
1000x331x119
Accessories:
Screw M3x16 (SUS304)

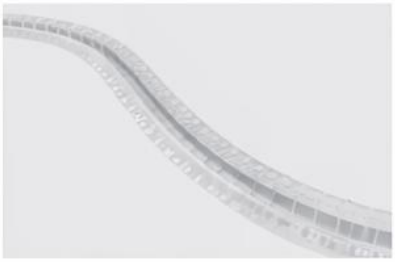
Instalation method of flexible recessed single-sided aluminum profile

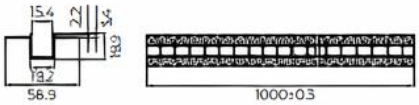






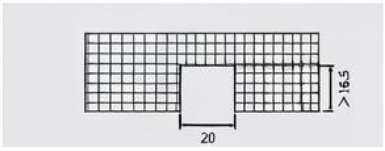
Flexible Recessed
Double-Sided Aluminum Profile

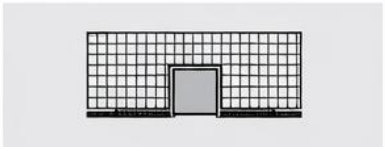


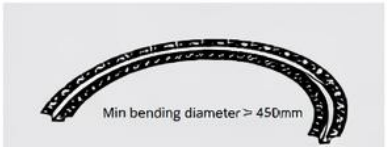


Length:
1000x33.1x199
Accessories:
Screw M3x16 (SUS304)

Instalation method of flexible recessed double-sided aluminum profile







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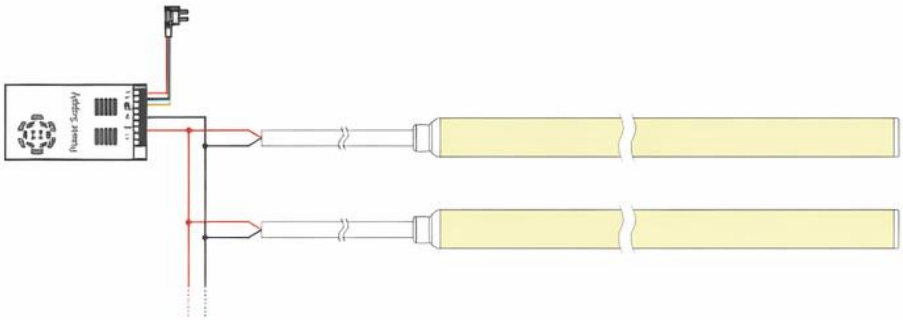
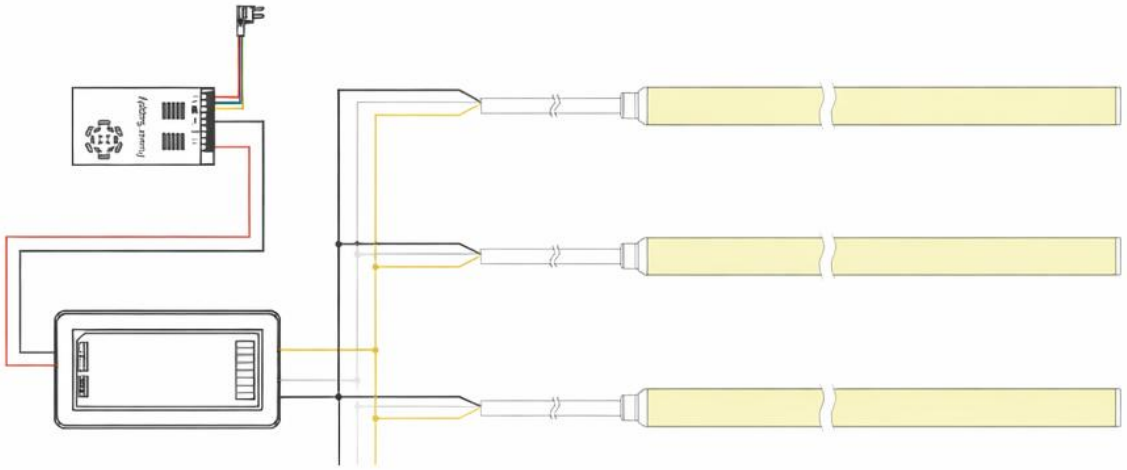
Flexible LED Strip Light

Single Color Connection Diagram



Tunable white Connection Diagram



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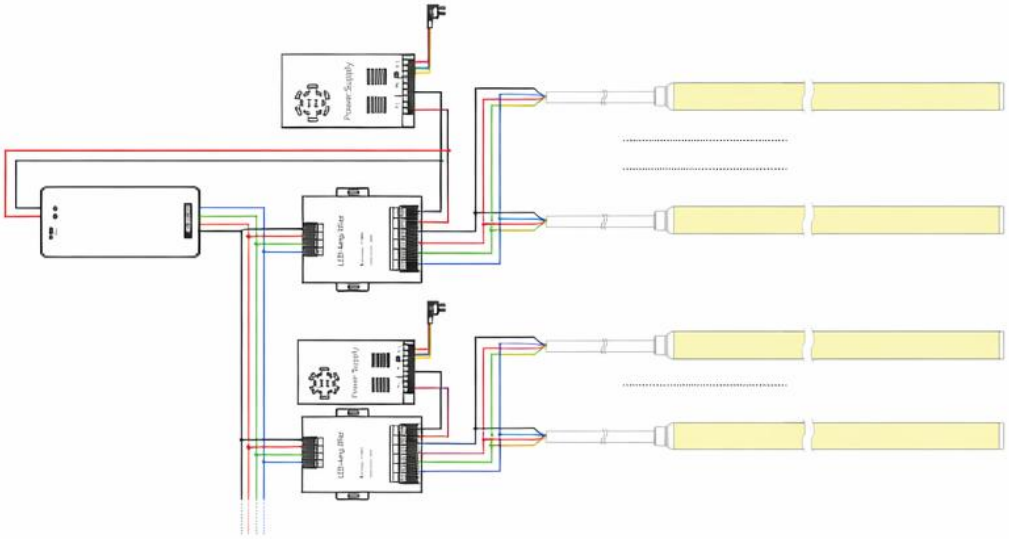
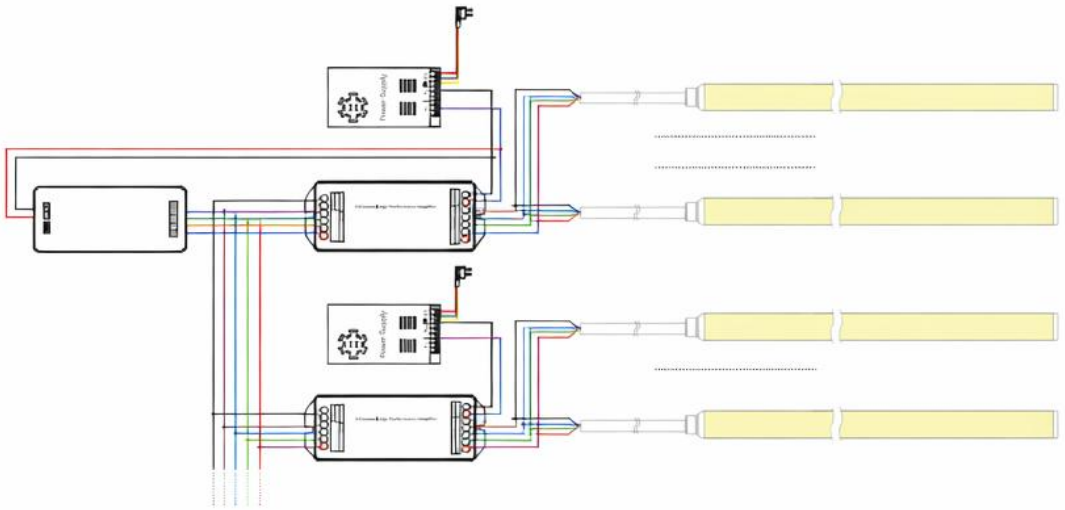
Flexible LED Strip Light

RGB Connection Diagram



RGBW Connection Diagram



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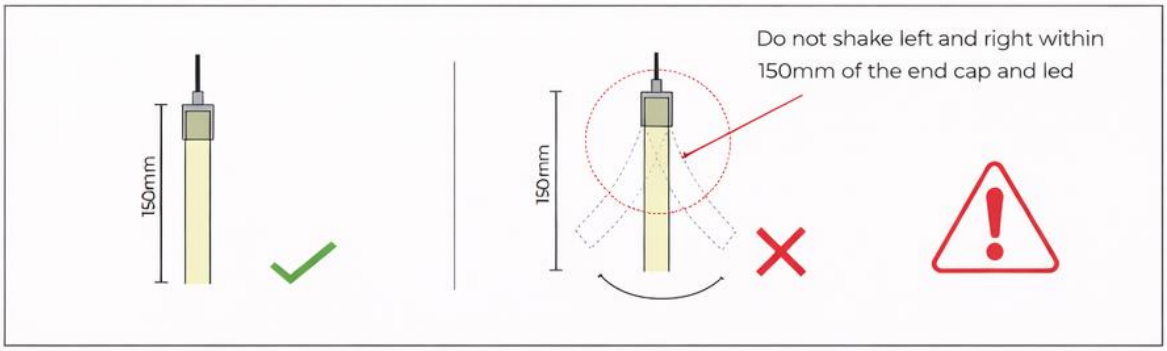
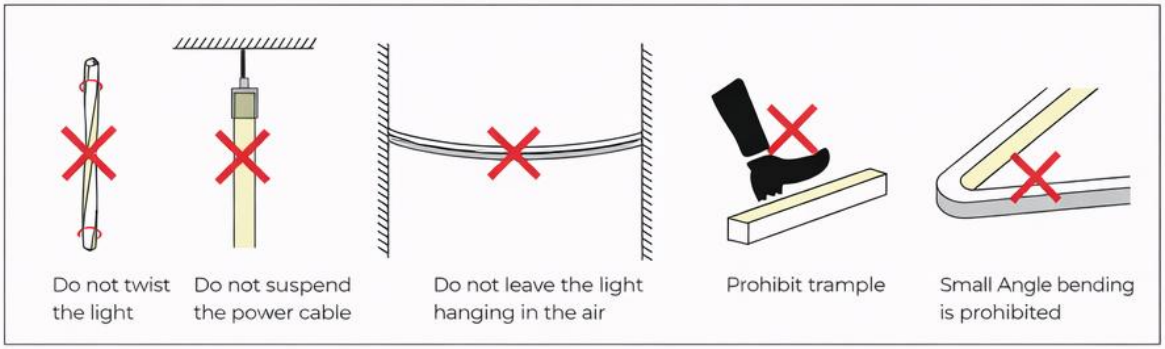
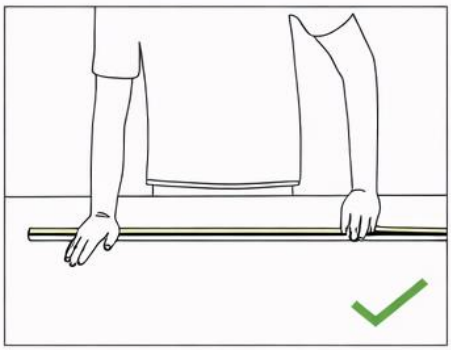
Flexible LED Strip Light

Installation Precautions

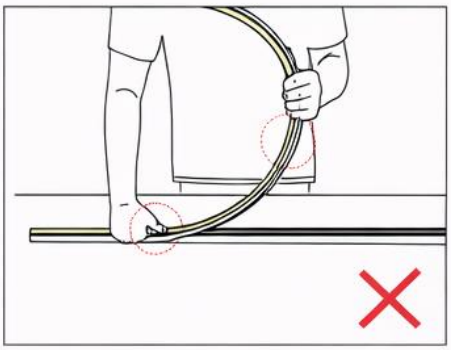




Put it in the profile



- 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. strip."
- The bent arc of the led strip should not be too large during installation.

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Flexible LED Strip Light

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 cented according to the following table:

Current of the light	Specifications of the cable								
	1M	L1=2M	L2=3M	L3=4M	L4=5M	L5=6M	L5=7M	L6=7M	L8=M
1A	AWC28	AWG23	AWC22	AWG18	AWC18	AWC14	AWG15	AWG16	AWG15
2A	AWC28	AWC21	AWG16	AWC21	AWG16	AWG13	AWC14	AWG13	AWG15
3A	AWC22	AWG18	AWG14	AWG12	AWC11	AWC12	AWG12	AWC12	AWG12
4A	AWC21	AWG18	AWC15	AWG13	AWC11	AWC10	AWC11	AWC10	AWC12
5A	AWC20	AWG17	AWC12	AWC11	AWC10	AWG9	AWC10	AWG8	AWG8
6A	AWG18	AWC14	AWC12	AWC11	AWG9	AWG8	AWC8	AWG8	AWC7
8A	AWC17	AWG14	AWC11	AWC10	AWG9	AWG8	AWG7	AWC7	AWG6
10A	AWC16	AWC15	AWC11	AWC10	AWG9	AWC7	AWG6	AWC5	AWG5

⁜ The unused light should be sealed with the packaging bag to avoid prolonged exposure.

⁜ It is strictly forboiden to turn on the light if the input voltage is less than 5%, Using other ity Using other types of power supply may damage the useful life.

⁜ The wire connecting the power supply and the power should be reserved for power supply for the stability of power supply.

⁜ Try to avoid live wiring from the output end of the power supply: Do not repeatedly plug and unplug. Frequent plugging and unplugging may cause sparks, affecting the service life of the power suplly requitatior.

⁜ Tnecing uning two power supplies, make sure that the two output terminals of the power supply are connected in parallel. Otherwise, the power supply may be damaged by the short circuit.

⁜ If the actual operational length of the light exceeds the two output terminals of the power supply are not connected in parallel. otherwise, the power supply.

⁜ If the actual operational lengthh of the light exceeds the specified length, it will lead to overload, heating and uneven brightness of the light for a long time.

⁜ Inner products need to be left alone or for onee night before maving or glue: IP66 products are only customized by the factory. After cutting and processing. IP67 process has to be reached.

* Because of the silcone itself, the re-essembly temperature may result result in some color temperature value, different sets of lights will look slightly different colors. Please confirm it before use.

⁜ Inner products need to be left alone for one night before moving.

9. Surface-mounted/embedded products need to be cleaned with the lower-end materianals or solvents such a-s alcohol.

In the newly decorated interior environment, excessive emissions such ass 'paint, varnish, wallpaper adhesive, various decoration materials or new furniture, they are.

- If recommended to remove methanol and benzenee, first, or ventilate for a period of time in the newly decorated interior environment before install the silicone neon light.
- Surface-mounted/embedded products neeed to be cleaned with the lower-end materials or solvents such as alcohol.