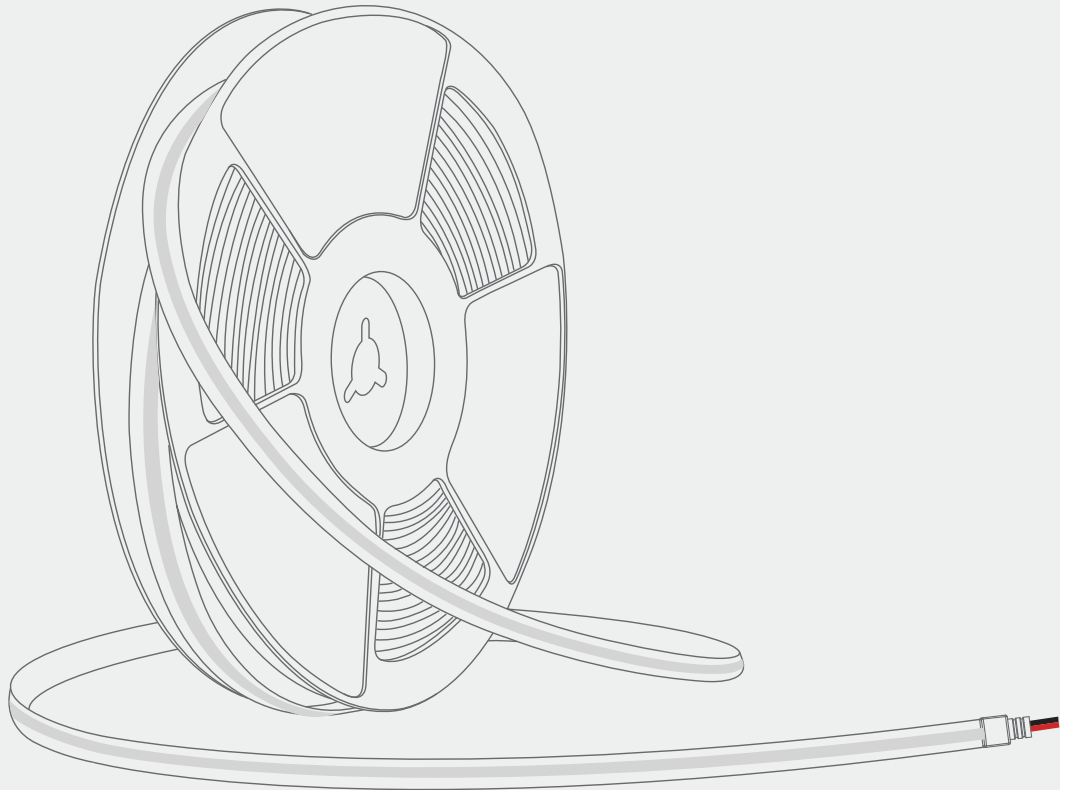




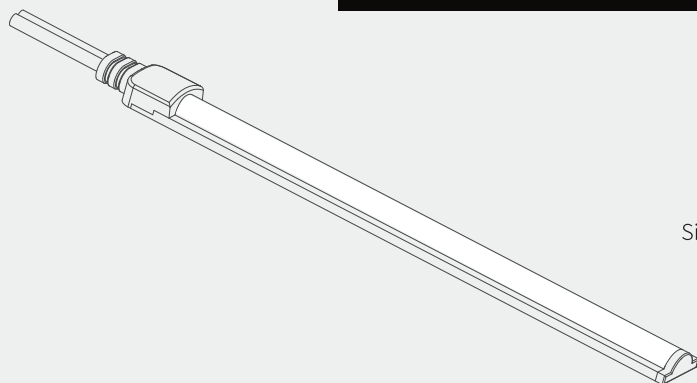
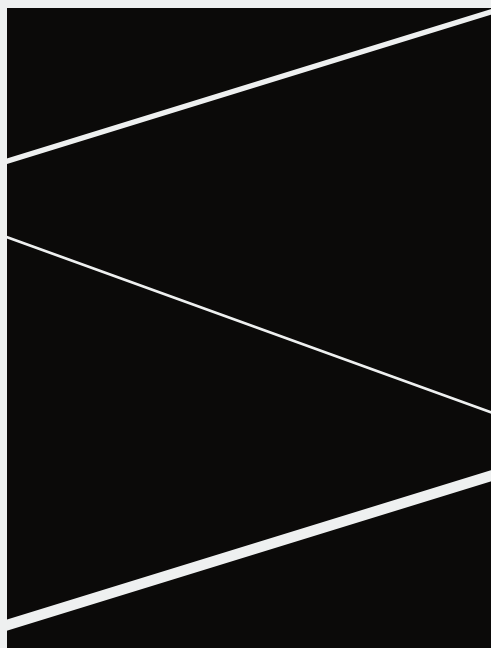
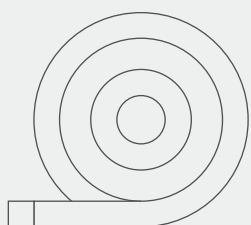
HELIAN



COB LED STRIP PLUS

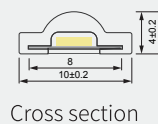
HL-ST20V24-Cxx-PLUS 10

COB PLUS 10 soft LED light strip



10MM

Single Color /Dual-White
RGB/Digital RGB

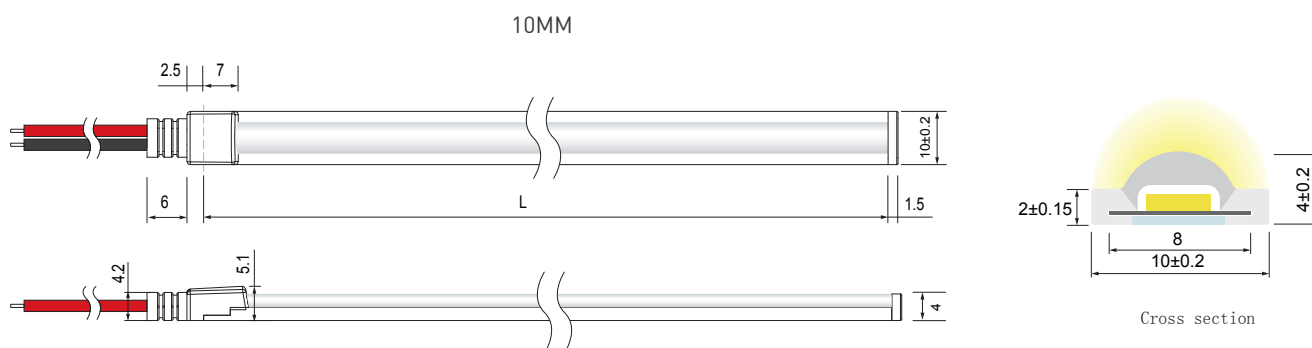


Cross section

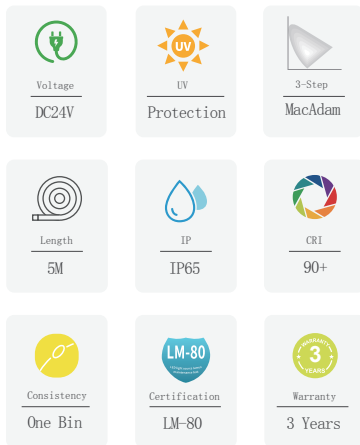


IP65

Dimension structure



Parameter Table For 10MM



- Max. Run length refers to single side feed in serial connection.
- 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%.
- Working Temperature: -20~+50℃

Single-Color

CCT(K)		SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	Voltage
2400	>90	<5	5 10	409 815	81.9 81.5	25	5	DC24V
2700	>90	<5	5 10	423 822	84.6 82.2	25	5	DC24V
3000	>90	<5	5 10	422 829	84.4 82.9	25	5	DC24V
3500	>90	<5	5 10	476 918	95.2 91.8	25	5	DC24V
4000	>90	<5	5 10	439 866	87.9 86.6	25	5	DC24V
5000	>90	<5	5 10	443 869	88.5 86.9	25	5	DC24V
6500	>90	<5	5 10	453 886	90.6 88.6	25	5	DC24V
R	--	--	5 10	146 308	29.2 30.8	25	5	DC24V
G	CRI	--	5 10	413 707	82.6 70.7	25	5	DC24V
B	--	--	5 10	70 137	14 13.7	25	5	DC24V
Yellow	--	--	5 10	106 226	21.2 22.6	25	5	DC24V
Orange	--	--	5 10	128 278	25.6 27.8	25	5	DC24V
Pink	--	--	5 10	287 567	57.4 56.7	25	5	DC24V

Dual-White

CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	Voltage
2700	>90	<5	5	415	83.0	83.3	5	DC24V
6500			5	418	83.6			
4000±300			10	826	82.6			

RGB

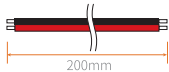
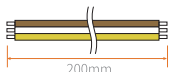
Power(W)	Color	Lumen(LM/M)	Efficiency(LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
10	R	60	18.2	50	5	DC24V
	G	176	53.3			
	B	32	9.7			
	RGB	268	26.8			

Digital RGB

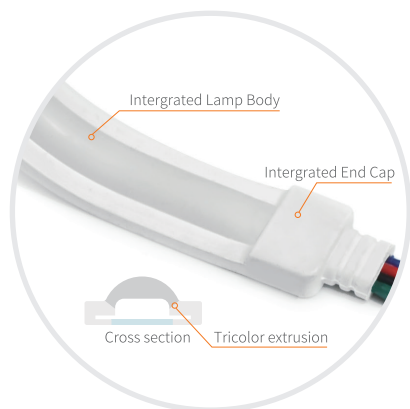
Voltage (V)	Power(W)	Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Signal Type	IC Model	UnitLength (mm)	Max. Run Length(M)
5	8	R	19.8	7.4	100	SPI	UCS1903	10	2
		G	59.3	22.2					
		B	11.5	4.3					
		RGB	87.3	10.9					

* This maximum serial length refers to the recommended connection length of single-end power supply when the COB strip is fully loaded (RGB all on). In practical application, according to the final required effect, when the actual required power is small, the serial length can be extended as appropriate.

Cable Type

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		20AWG Red&Black 2-core Cable	● ●	Red V+, Black V-
		20AWG Brown&White&Yellow 3-core Cable	● ○ ●	Dual-White: Brown V+, White W, Yellow WW
		20AWG Black&Blue&Red&Green 4-core Cable	● ● ● ●	Digital RGB: Brown V+, White DI, Yellow GND

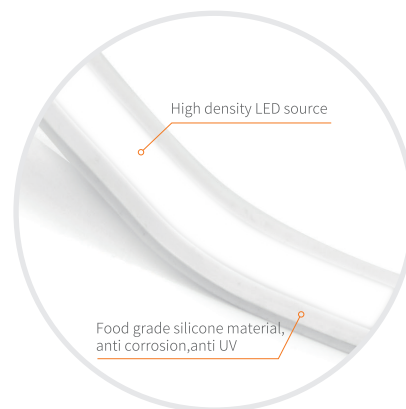
Features



More extreme vision



More perfect touch



More stable performance

Cutting Mark



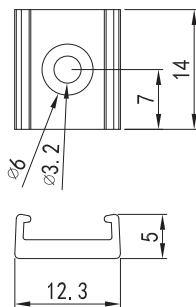
Remark: The bottom of the led strip has transparent window, the black marker is the cutting position



Use professional scissors to cut vertically at the cutting mark

Mounting Accessories

C10 Clip



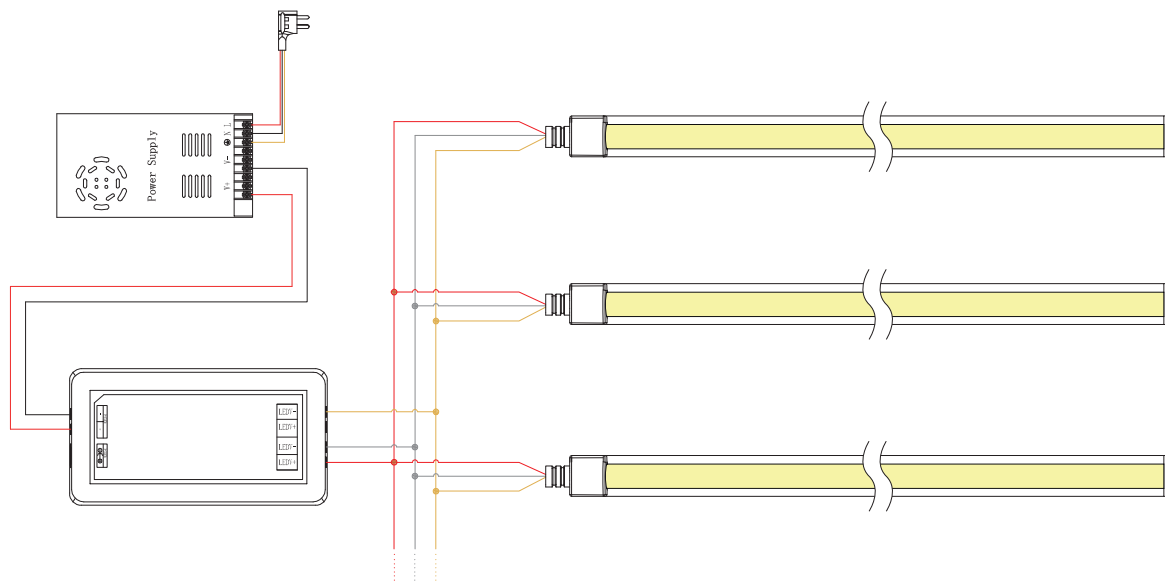
Dimension:
14x12.3x5

Accessories:
PA 3X10 Self tapping screw

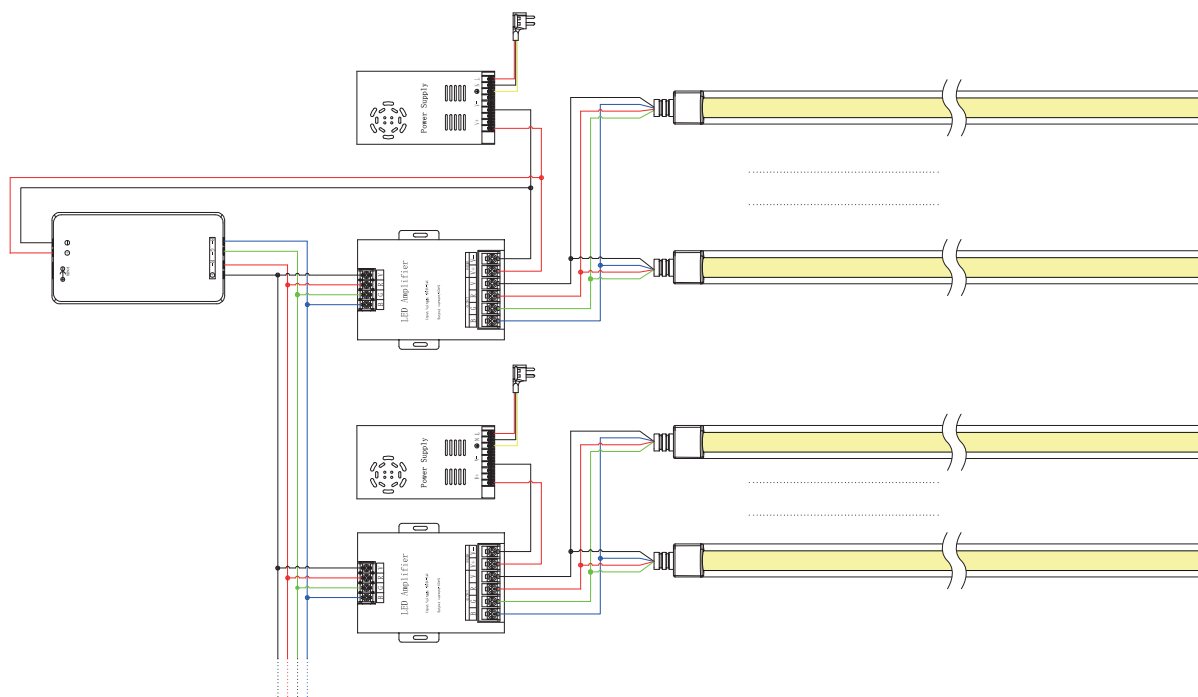
Single Color Connection Diagram



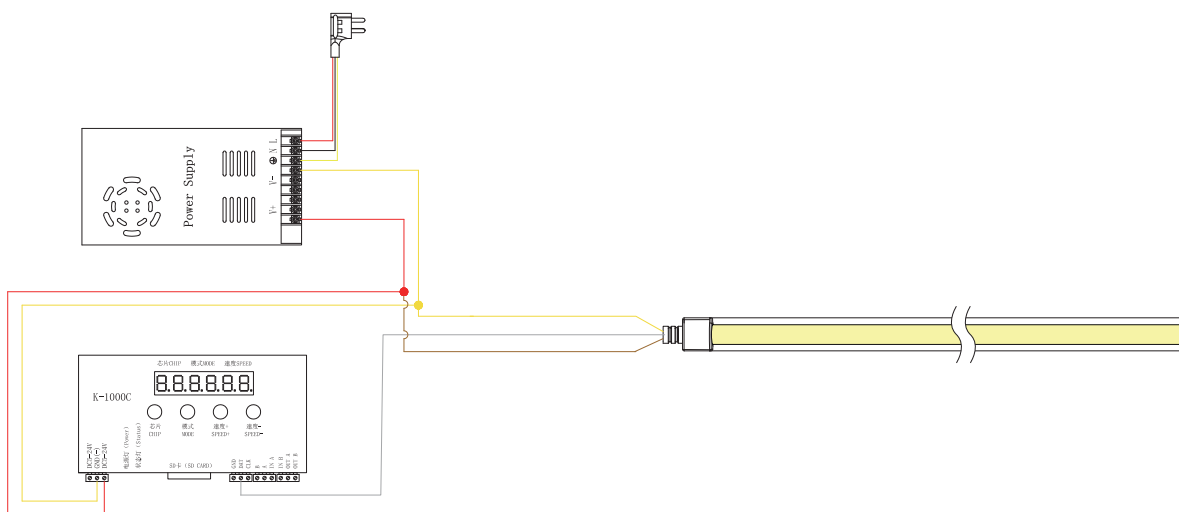
Tunable white Connection Diagram



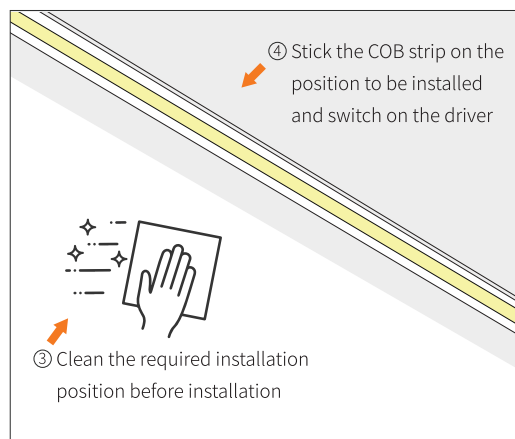
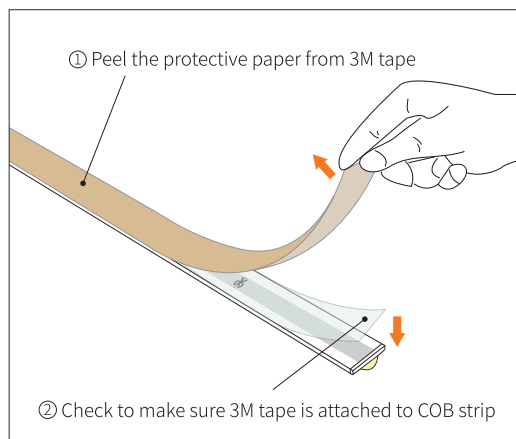
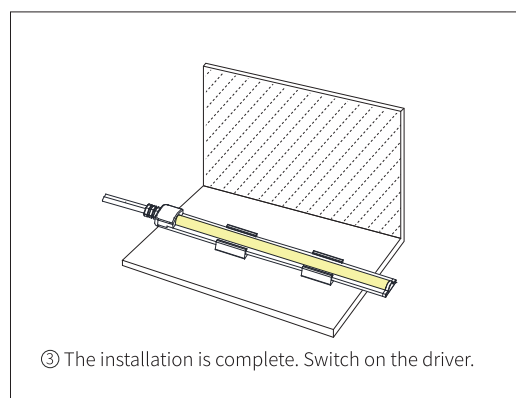
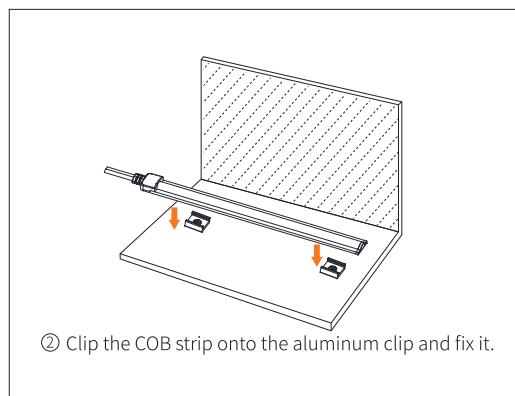
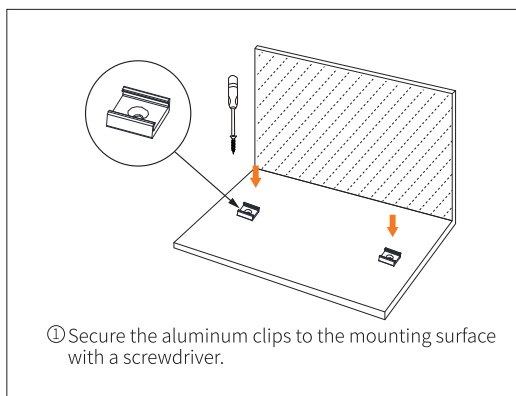
RGB Connection Diagram



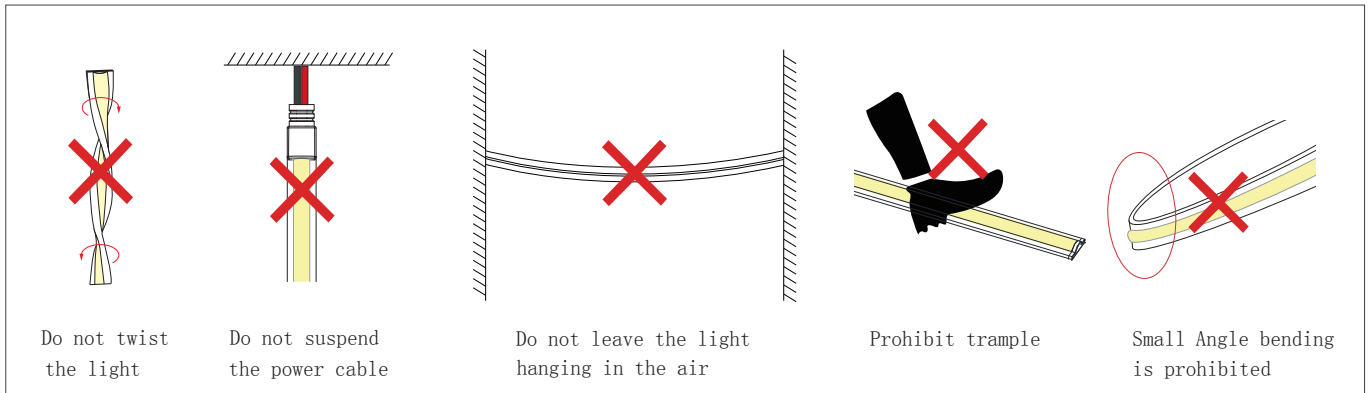
Digital RGB Connection Diagram



Installation Diagram

Installation
with 3M tapeInstallation
with aluminum clips

Cautions



- ※The unused light should be sealed with the packaging bag to avoid prolonged exposure.
- ※Please use DC24V isolated constant voltage power supply with ripple voltage less than 5%. Using other types of power supply may damage the light or cause other safety risks.
- ※In practical application, 20% allowance should be reserved for power supply to ensure the stability of power supply.
- ※It is recommended that professionals connect the power supply. Do not connect the power supply with live power to avoid electric shock.
- ※Please confirm whether the voltage of the power supply is consistent with the voltage of the light; Pay attention to the positive and negative poles of the power cord, do not connect wrong, so as not to cause product damage;
- ※When multiple power supplies are used, ensure that the positive poles of the power supply are not connected in parallel. Otherwise, the power supply system may be unstable or damaged after long-term operation.
- ※If the actual application length exceeds the specified length, it will lead to overload, heating and uneven brightness of the light.
- ※During installation, please do not scratch, twist, or bend the light irregularly. Otherwise, the light may be damaged beyond repair.
- ※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.)
- ※Products of different waterproof levels apply to different environments. For example, IP65 cannot be used underwater.
- ※IP68 products are factory assembly only. If the user cut it, its waterproof grade will decline.
- ※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.

H E L I A N

**LED
LIGHTING**



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