SPECIFICATION

Drafted	Reviewed by	Approved by

SW – F – * – * – * – * – * – * – * – * – * – * – *

SW	LED Strip	LED type	Leds's color		Led Qty/0.5M	IP Grade	Length	C	Operating voltage	PCB width
		3528	W	Warm white	30	WF0 IP20	5M	Constant	00 Special	K008 8mm
		5050	N	Nature white	48	WF1 IP66	2.5M	current	05 DC5V	K010 10mm
		2835	C	Cold white	60	WF2 IP65	2.525M	LED strip	12 DC12V	K015 15mm
		3014	RGB	Red&Green&Blue	72	WF3 IP67		series	24 DC24V	K020 20mm
		2216	Z	Chasing	120	WF4 IP68			36 DC36V	K012 12mm
		5730	RGBW	Red&Green&Blue&Warm white					42 DC42V	
			RGBN	Red&Green&Blue&Nature white					48 DC48V	
			RGBC	Red&Green&Blue&Cold white						
			CTA	Color temperature adjustable						
			RGBCTA	RGB+Color temperature adjustable						

50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

Silicone extrusion, environmental protection, anti-UV, anti-aging, anti-yellowing, safe and stable structure design

IC Design,No need rectifier,230Vac LED strip, cascaded up to 50 meters

Lower watts at same brightness/energy saving

Good color consistency

LEDs 99.99% golden wire and copper support, super bright LEDs, stable and reliable

IP grade:IP66

Power factor>0.9

Application:

Decoration lighting, direct lighting or indirect lighting

Installation:

3M Adhesive & PC clips & Silicone clips & Channel/ABS & AL profile

Warranty:

3 years

Product Model	Color	CCT（K）	Ra	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage （V AC）	Current (mA/m)	Power (W/m)
SW-HVF2835W60-SE-230	WW	2700	≥80	120	1342	89.5	230	65	15
SW-HVF2835W60-SE-230	WW	3000	≥80	120	1399	93.3	230	65	15
SW-HVF2835N60-SE-230	NW	4000	≥80	120	1503	100.2	230	65	15
SW-HVF2835C60-SE-230	CW	6000	≥80	120	1455	97	230	65	15

50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

Other features:

Product Model	IP grade	Working environment (℃)	Storage environment (℃)	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (Kg/Roll)
SW-HVF2835X60-SE-230	IP66	-25~+45	-30~+80	50	50	120	3.233

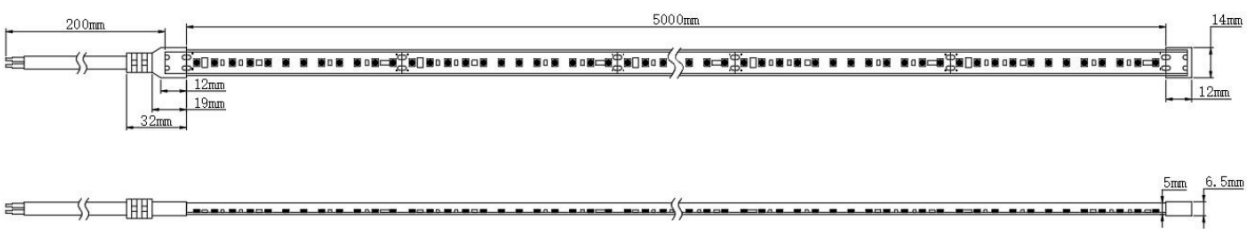
Notes：

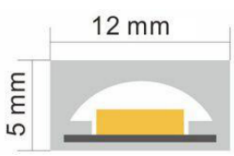
Testing environment temperature: 25±2℃；

Above data confirmed on the basis of 1M sample,3000K,Ra80, IP66.

Mark“—”means no testing requirement.

Dimension:



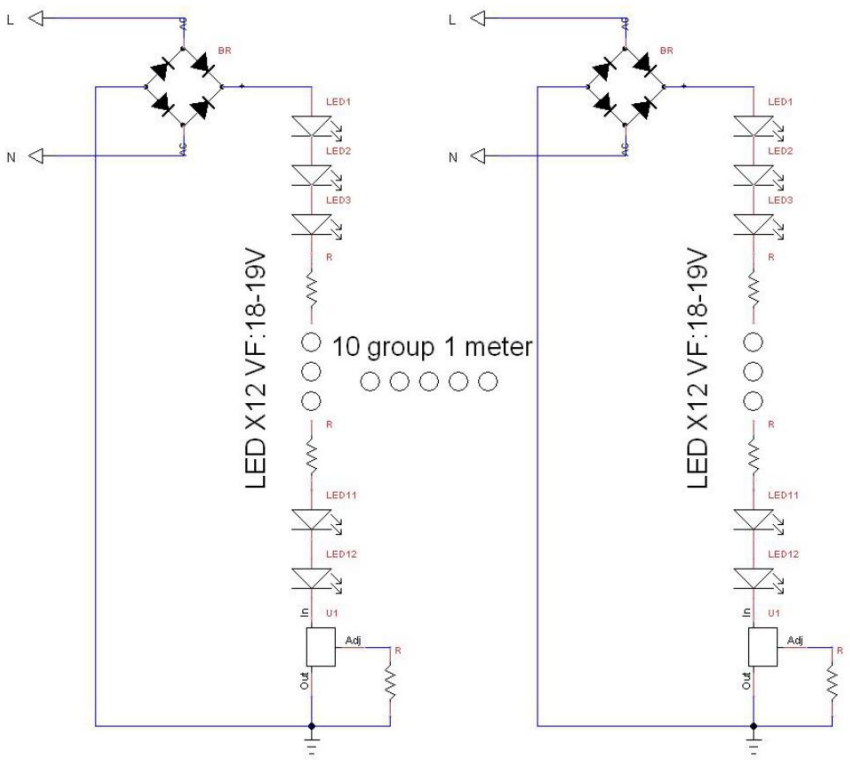


Extrusion Molding

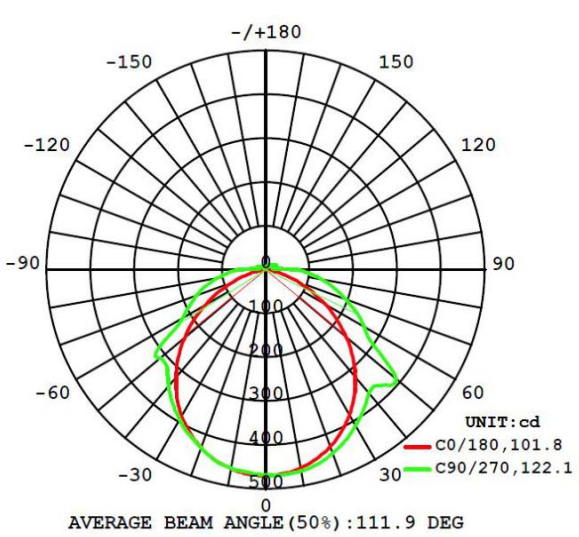
50M/2835 HVF voltage Led strips/

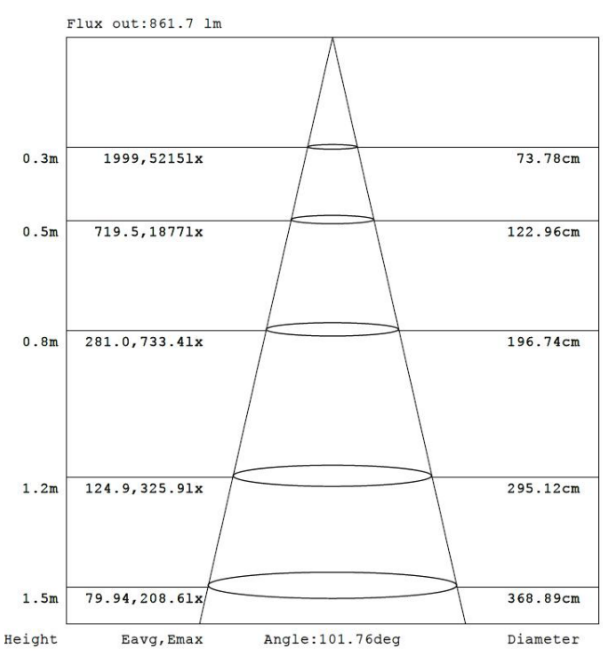
120pcs led/meter/AC230V/IP66/10mm

Electrical principle：



Optical/Lux graph：





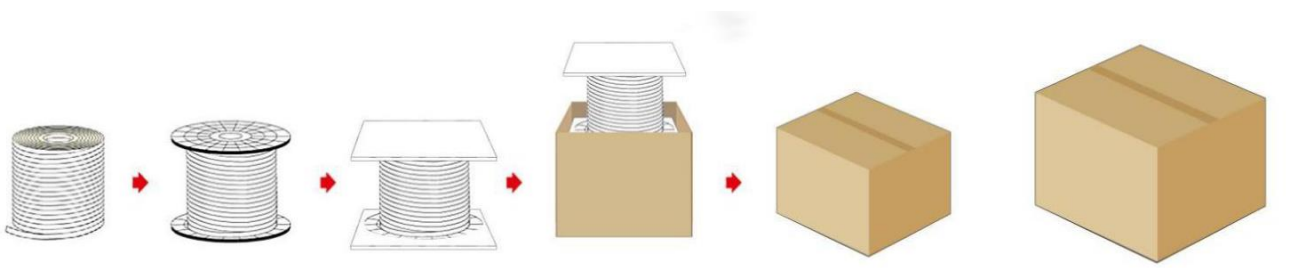
50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

Package details：

Model	carton	Qty/Roll(m)	Qty/Carton(m)	Total Qty(m)	G.W(Kg)	size(mm)
SW-HVF2835X60	Inner box	50	50	50	5.37	L400*W400*H160
	outer box	50	100	100	11.6	L415*W415*H36

Package：



50m/reel

1 reel/inner Box

2 inner Box/outer Box

Schematic：

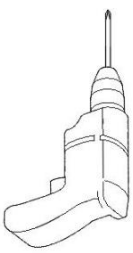
50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

Installation Instructions:

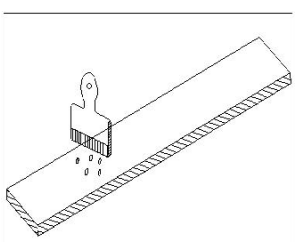
Product and needed tools：

Led strip

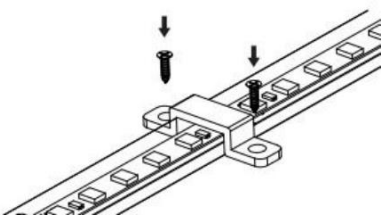


Electric screw driver

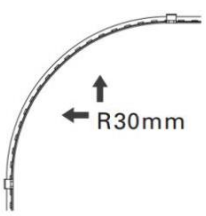
Installation methods 1：



Clean the installation surface

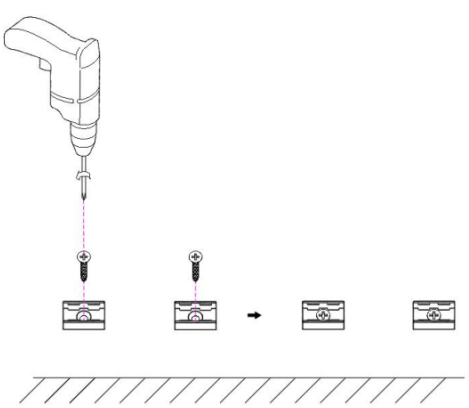


Fix the light strip to the surface of the object.
Use silicone clips and screws to fix

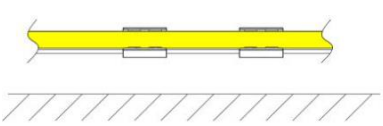


R angle of installation surface>30mm.

Installation methods 2：



Fix the PC clips and ensure that the distance between the installation clips is 250mm

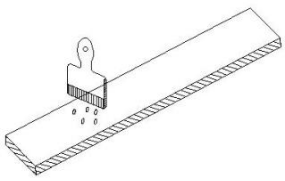


PC clips installation, it is recommended to configure 4 clips per meter.

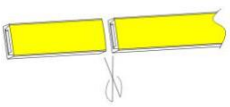
50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

Installation methods 3：

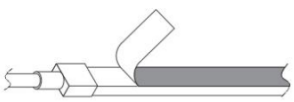


Clean the installation surface.

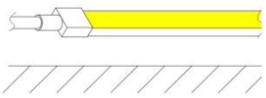


Measure the length you need to install, cut off closest at “scissors ” mark.

For the LED strips on the left, welded at the next scissors mark to connect to other connecting cables.

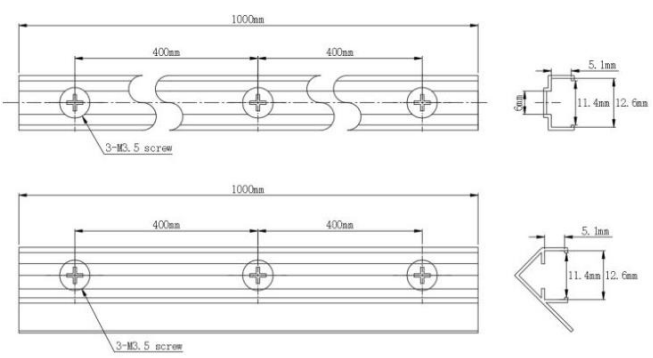


Peel off the 3M adhesive centrifugal paper on the back of the LED strips.

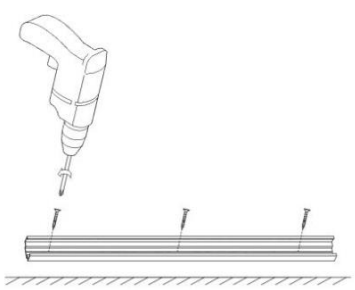


Paste the the LED strips where it needs to be installed.

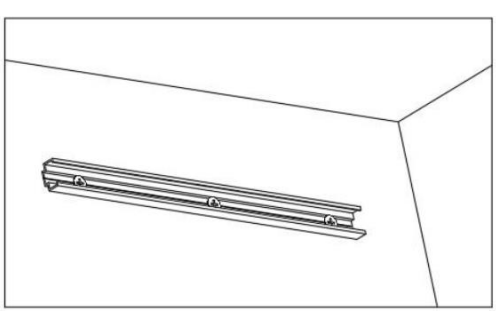
Installation methods 4：



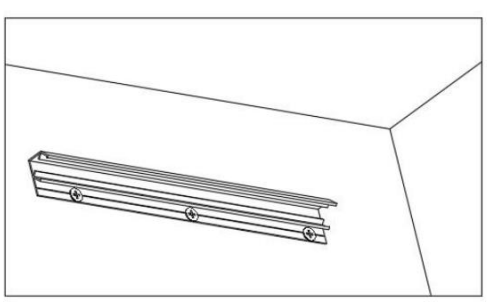
Measure the length you need to install and mark the position where the screws need to be fixed. We suggest to fix 3 screws for 1m channel



For soft wall installation, please use an electric screw driver to lock the card slot with screws, while for hard cement wall installation, please drill 6mm diameter expansion screw holes to lock.



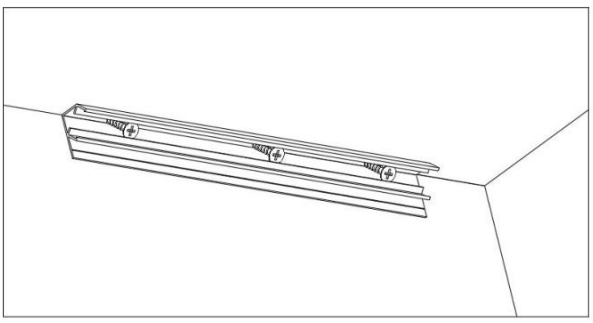
U-shape Channel/ABS installation on the wall, as shown in the figure.



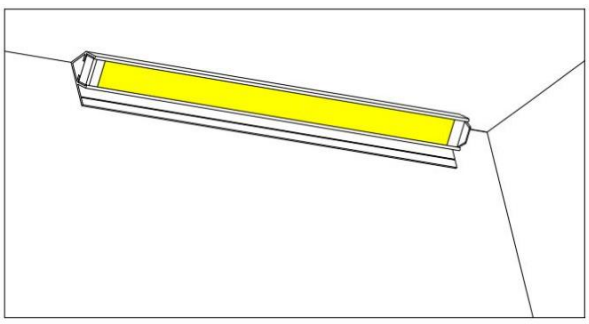
45° -Channel/ABS installation on the wall, as shown in the figure.

50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

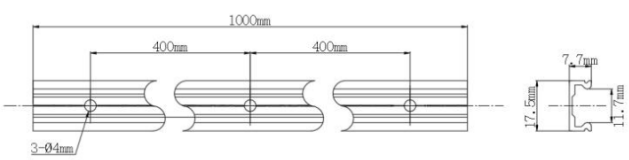


The 45° -Channel/ABS is suitable for oblique installation in the wall corner, as shown in the figure

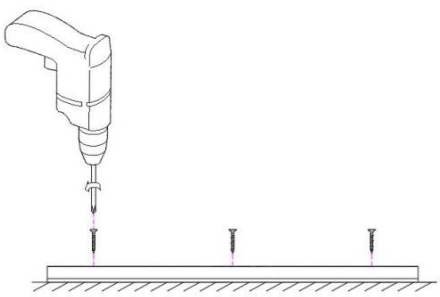


Press the LED light strip into the channel, as shown in the figure.

Installation methods 5：



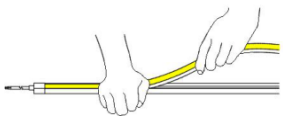
Measure the length you need to install and mark the position where the screws need to be fixed. We suggest to fix 3 screws for 1m aluminum profile



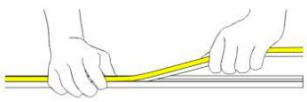
For soft wall installation, please use an electric screw driver to lock the aluminum profile with screws, while for hard cement wall installation, please drill 6mm diameter expansion screw holes to lock.

50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

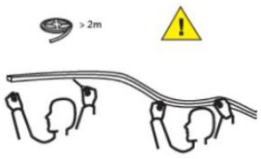


Make sure the LED strips is fitted in vertically.



Press the LED strips into the aluminum profile by the palm instead of the finger, otherwise it might damage inside electronic components due to the overpressure caused.

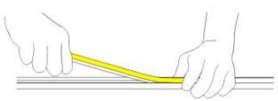
Make sure the angle between the LED strips and aluminum profile is not bigger than 15°, otherwise inside PCB might be damaged.



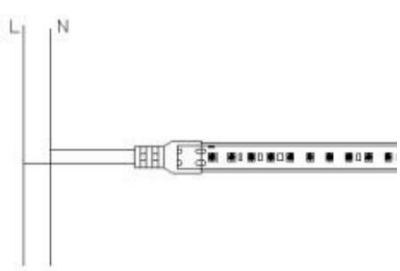
During installation and removal，when light length>2m, make sure somebody helps to lift the light, in case the heavy weight of light lead to light be bended a small angle or be twisted, which may damage inside PCB.

Prepare a screwdriver, and insert the screwdriver through the bottom of light.

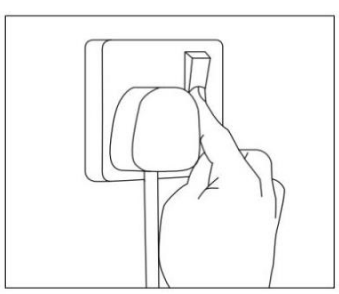
Move the screwdriver and unclench the light upwardly. Be careful the angle between the light and profile should not be bigger than 15.



Once the end of light is out, hold both sides of light by hand and pull it out along the profile slowly and orderly.
Make sure the angle between the light and profile is not bigger than 15°, otherwise inside PCB might be damaged.



Connect the light strip to 230V AC voltage

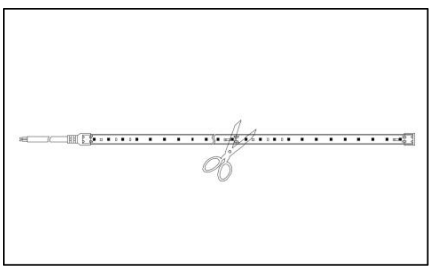


Switch on and enjoy.

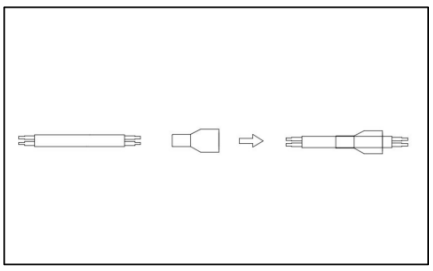
50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

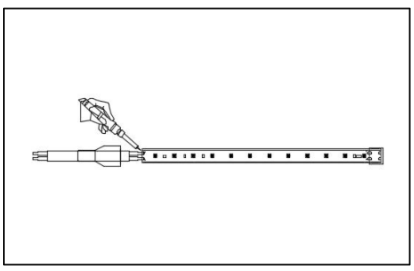
Instruction of soldering :



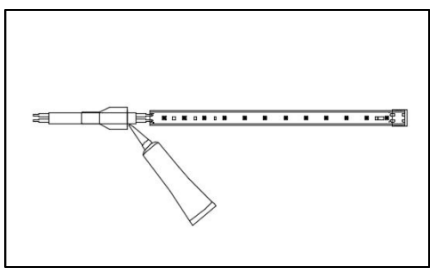
Cut off the light strip with scissors at the cutting position



Put wire through the plug

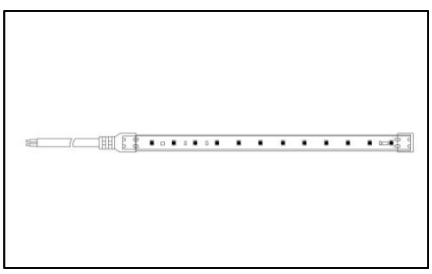


The wire shall be welded to the corresponding light bar pad in sequence.



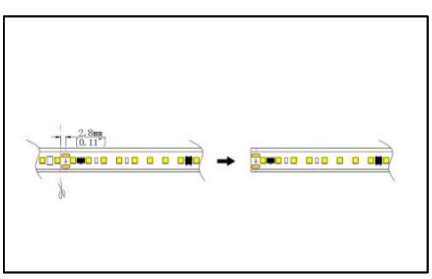
Glue the plug and push the plug into the light strip

Wipe the spilled glue with cloth

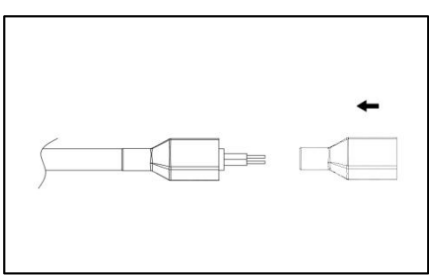


Leave the light bar for a while, and wait for the glue to solidify

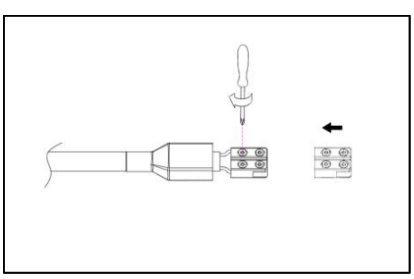
Instruction of soldering free:



Cut the light strip along the marking line as shown in the figure.



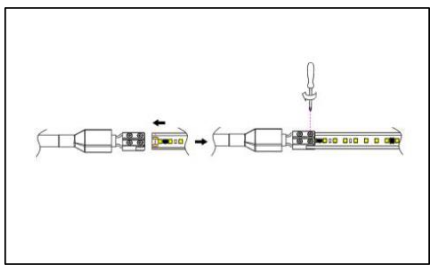
Push the silicone tube through the power cord as shown in the figure.



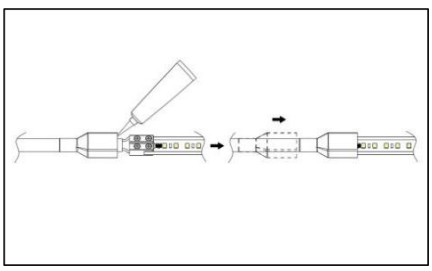
Connect the power cord L and N to the input end of the terminal.

50M/2835 HVF voltage Led strips/

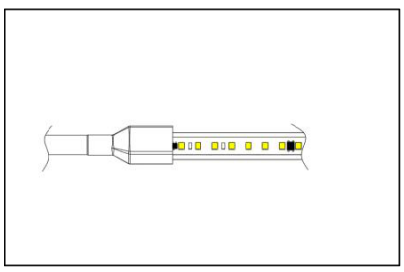
120pcs led/meter/AC230V/IP66/10mm



First insert the light strip into the terminal interface, and then lock it tightly to the PCB pad with screws.

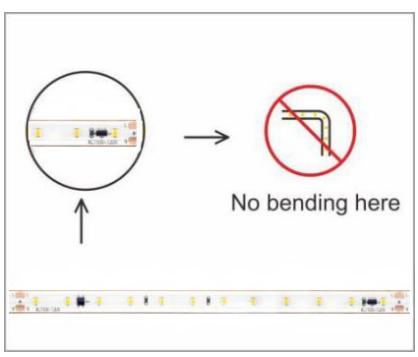


Fill the silicone tube with an appropriate amount of neutral silicone glue, then push the silicone tube to the end of the terminal and wipe the spilled glue with a white cloth.

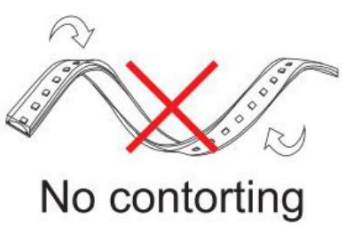


Allow the light strip to stand for 2 hours until the adhesive has solidified before installation.

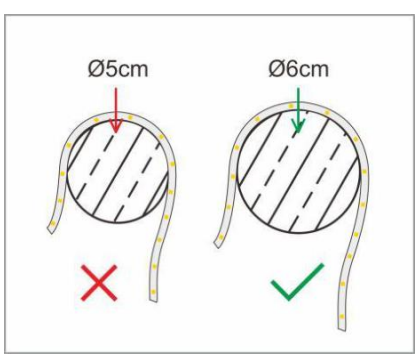
Caution：



No bending
at the point of LEDs



No contortion
of the led strip.



No bending
with Diameter<6cm

50M/2835 HVF voltage Led strips/

120pcs led/meter/AC230V/IP66/10mm

Statements：

For safety, the product wire should be moved and replaced by the manufacturer, agent or other authorized person.

Please refer to the product manual before installation.

Above reference data is from our standard product. Please subject to your actual product data if there is difference.

Above reference schematic diagrams are from our standard product. Please subject to your actual product data if there is difference.

For safety, no touch the AC terminal.

Any acidic or alkaline substance is forbidden.

No notice for updated of this product.

Starwire reserve the final interpretation of the specification.