

# 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 series	12	DC12V	K015	15mm	
		3014	RGB	Red&Green&Blue			72	WF3 IP67			24	DC24V	K020	20mm	
			Z	Chasing			120	WF4 IP68			36	DC36V	K012	12mm	
		2216	RGBW	Red&Green&Blue&Warm white							42	DC42V			
		5730	RGBN	Red&Green&Blue&Nature white							48	DC48V			
			RGBC	Red&Green&Blue&Cold white											
			CTA	Color temperature adjustable											
			RGBCTA	RGB+Color temperature adjustable											

# 5M/2835 constant voltage Led strips/

120pcs led/meter/DC12V&24V/IP20/10mm

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

Double PCB, reduce the voltage drop.

High cost-effective.

Leds with one BIN system, consistent color, also Ra80/90/95 for  
choice.

IP grade: IP20、IP65、IP66、IP67、IP68.

cUL/CE/ROHS certification.



## Application:

Widely used in hotels、shopping malls、furniture、cabinets、shelf,  
as decoration lighting, direct lighting or indirect lighting.

## Installation:

3M Adhesive

## Warranty:

5 years



## Optical&Electrial

Product Model	Color	CCT (K)	Ra	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage (V DC)	Current (mA/m)	Power (W/m)
SW-F2835W60-WF0	WW	2300	≥80/90	120	1151/949	90/74	12/24	1066/533	12.8
SW-F2835W60-WF0	WW	2500	≥80/90	120	1200/982	94/77	12/24	1066/533	12.8
SW-F2835W60-WF0	WW	2700	≥80/90	120	1273/1037	99/81	12/24	1066/533	12.8
SW-F2835W60-WF0	WW	3000	≥80/90	120	1306/1084	102/85	12/24	1066/533	12.8
SW-F2835W60-WF0	WW	3500	≥80/90	120	1332/1192	104/93	12/24	1066/533	12.8
SW-F2835N60-WF0	NW	4000	≥80/90	120	1334/1225	104/96	12/24	1066/533	12.8
SW-F2835N60-WF0	NW	5000	≥80/90	120	1332/1246	104/97	12/24	1066/533	12.8
SW-F2835C60-WF0	CW	6000	≥80/90	120	1339/1246	105/97	12/24	1066/533	12.8

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## Other features:

Product Model	IP grade	Working environment (°C)	Storage environment (°C)	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
SW-F2835W60-WF0	IP20	-25~+45	-30~+80	5	5	120	131

Notes:

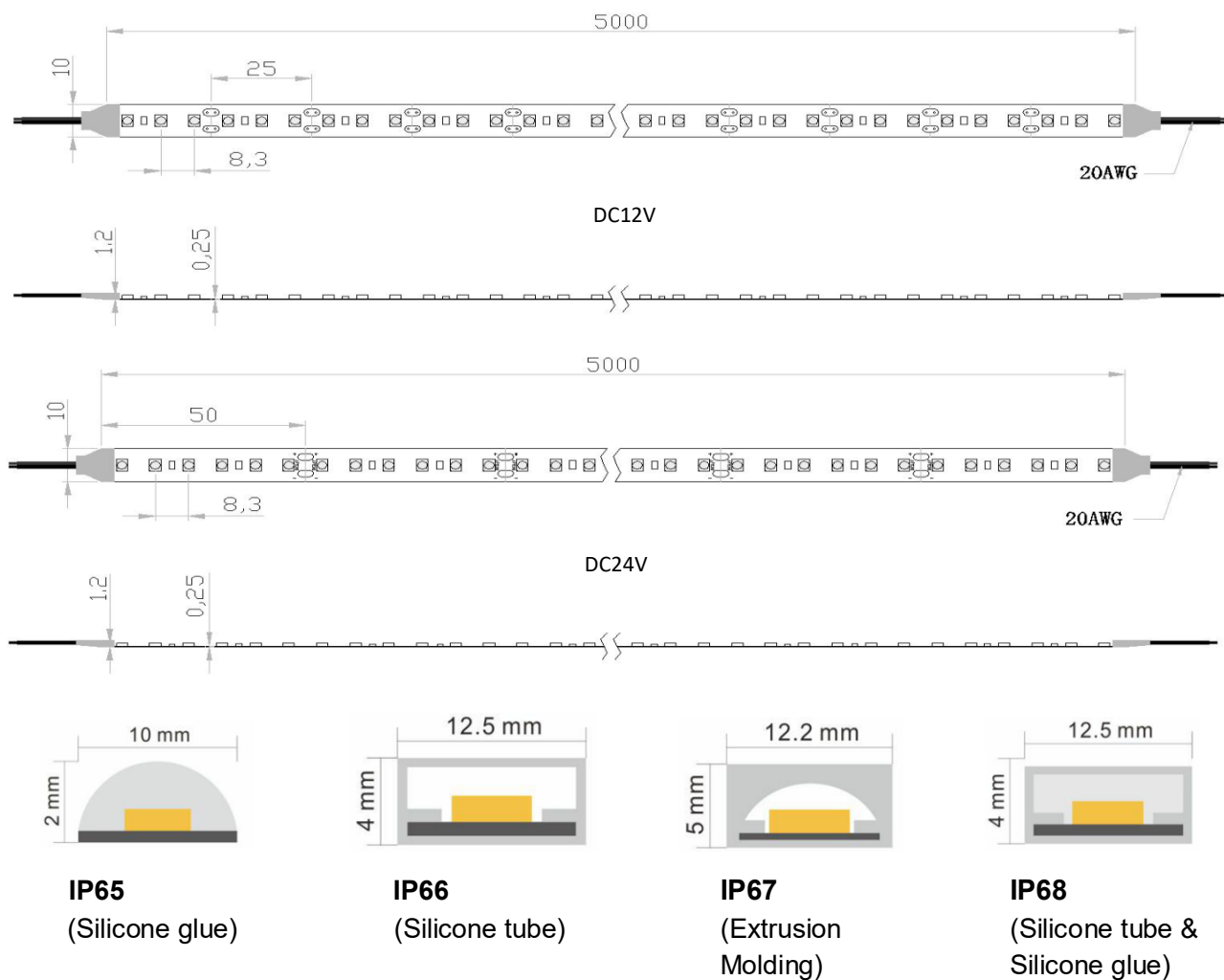
Testing environment temperature: 25±2°C.

Above data confirmed on the basis of 1M sample, 3000k, IP20.

Different IP grade with different Data.

- Mark"—"means no testing requirement.

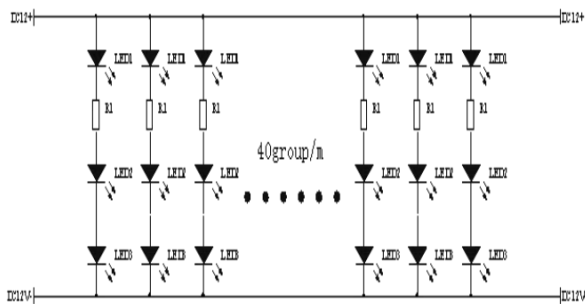
## Demensions:



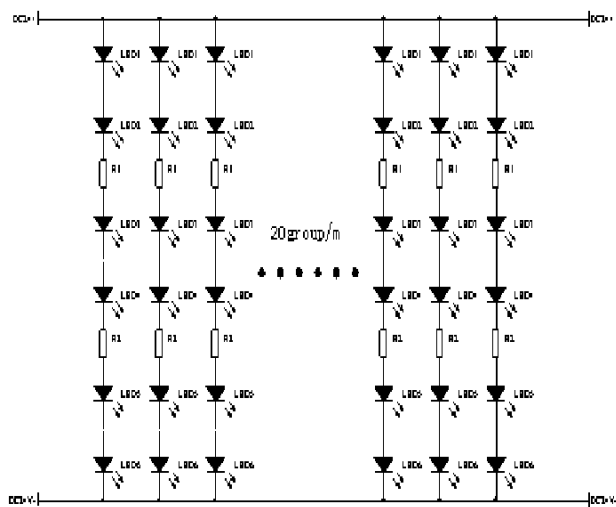
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## Electrial principle:



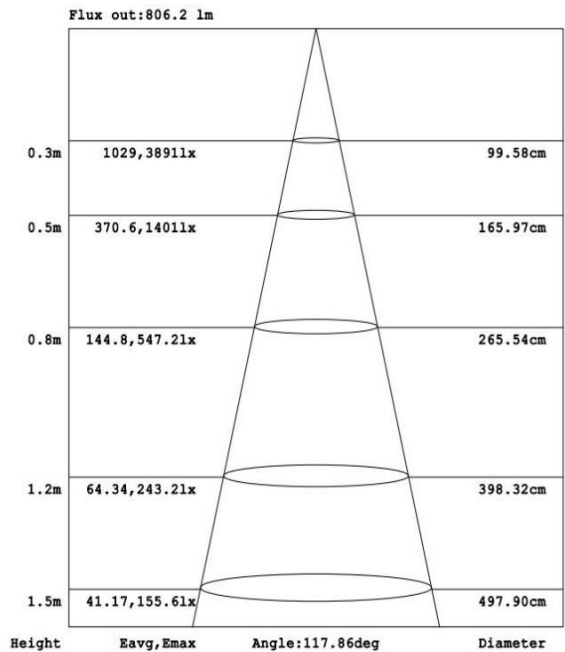
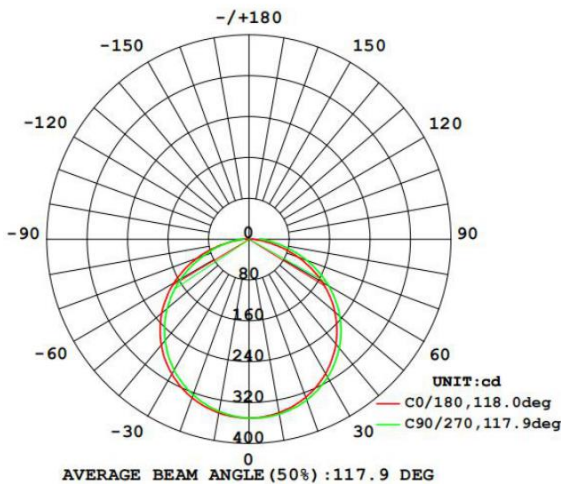
DC12V



DC24V

## Optical/Lux graph:

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



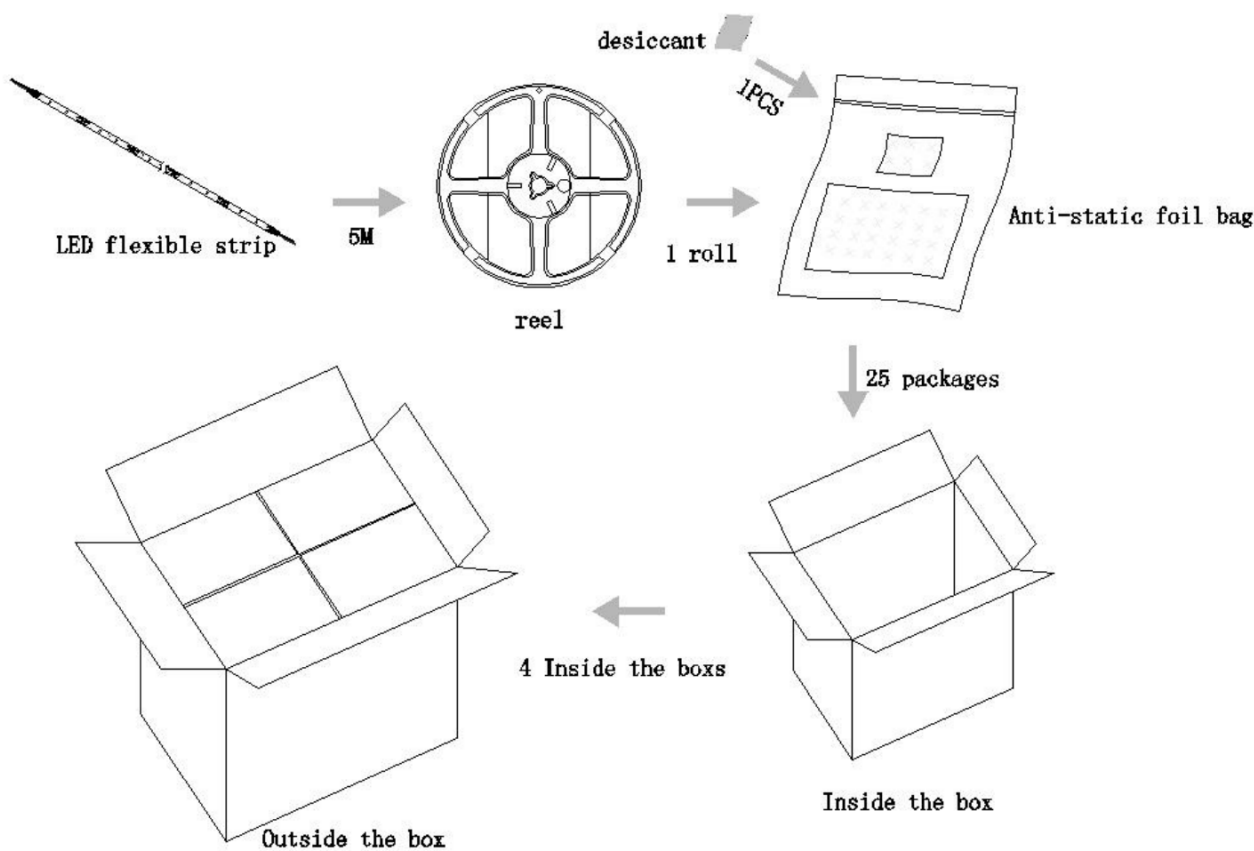
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## Package details:

Model	carton	Qty/Roll(m)	Qty/Carton(m)	Total Qty(m)	G.W(Kg)	size(mm)
SW-F2835X60-WF0	inner box	5	125	125	3.5	L303*W230*H260
	outer box	5	500	500	13.9	L620*W472*H280

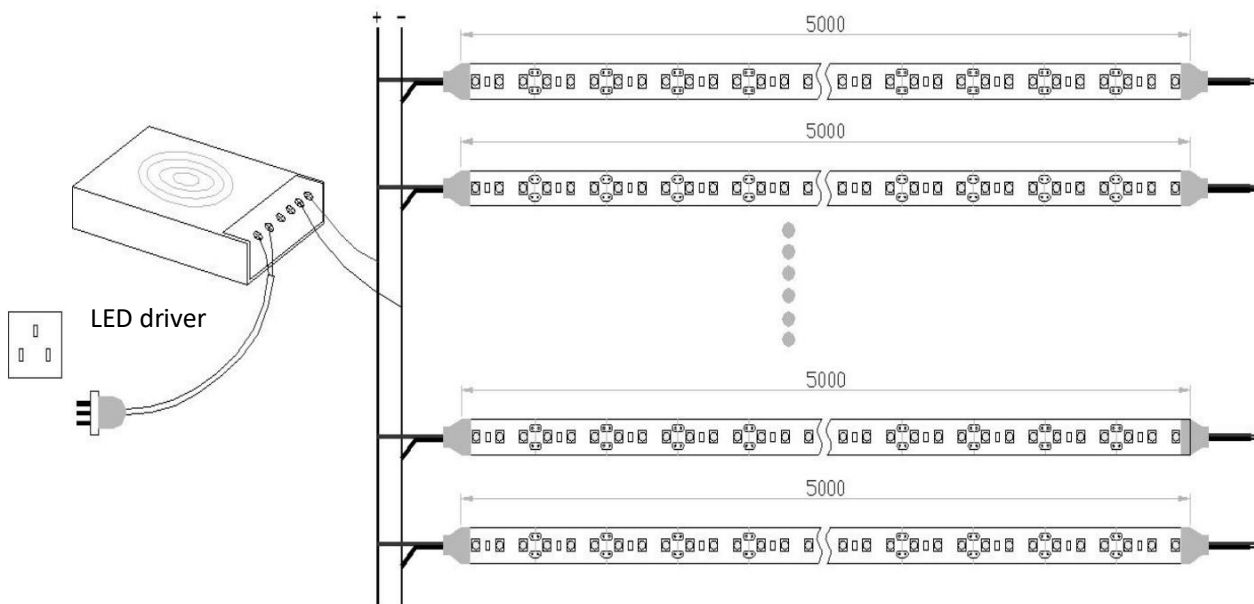
## Package:



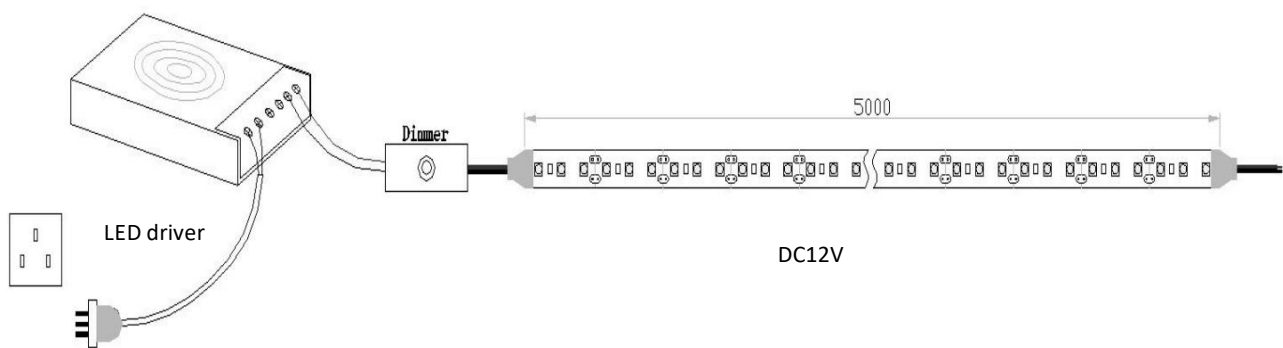
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### Schematic:



DC12V



DC12V

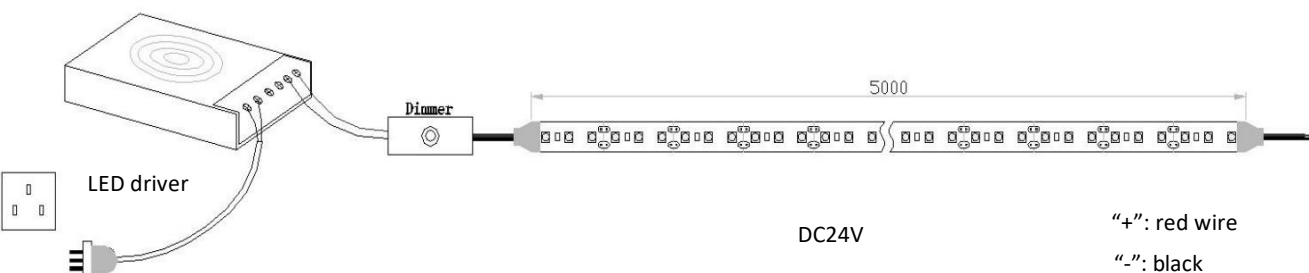
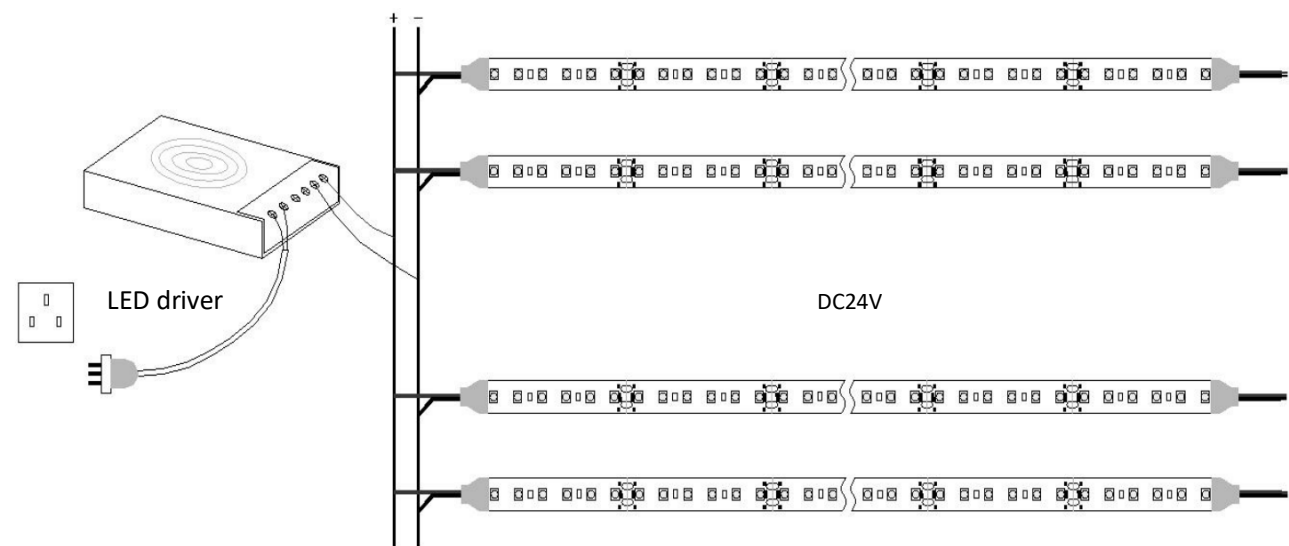
"+": red wire

"-": black wire

( PS: Strip positive connect to the driver positive,  
Strip negative connect to driver negative )

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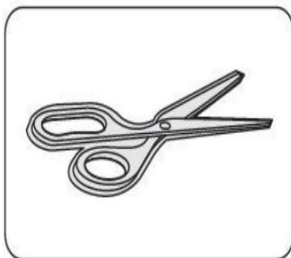


( PS: Strip positive connect to the driver positive,  
Strip negative connect to driver negative )

## Product and needed tools:



**Product**  
Led strip

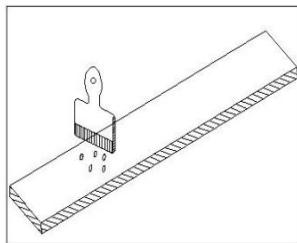


**Needed tools**  
scissor

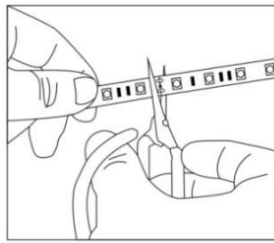
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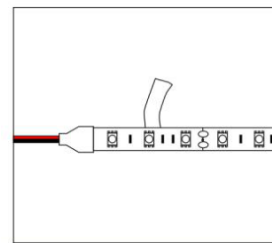
### Installation steps:



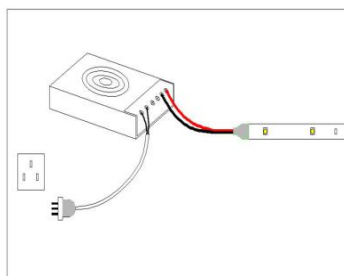
Clean the installation surface



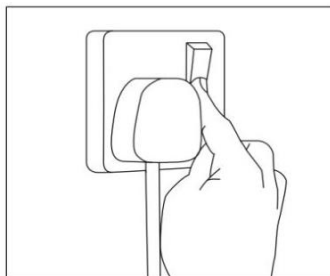
Measure the length you need to install, cut at the nearest scissor mark line.  
For the left led strip, weld at the next scissor mark to connect with other connection wire.



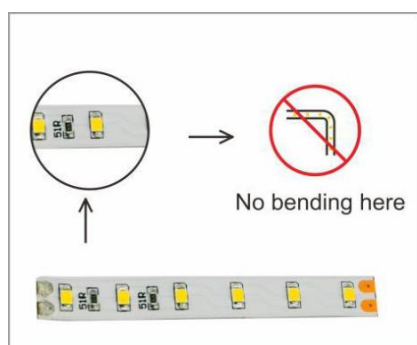
Do not pull the whole led strip from the back release paper by one time. No press on the leds.



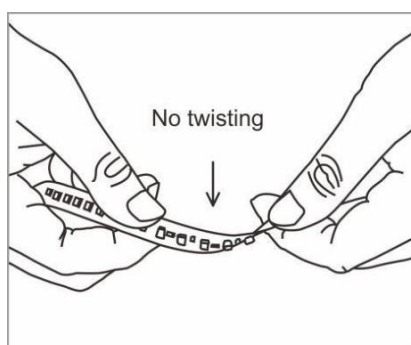
Connect the led strip wire to the driver output side (Positive to positive, negative to negative.)  
Connect the driver input side to power-supply.



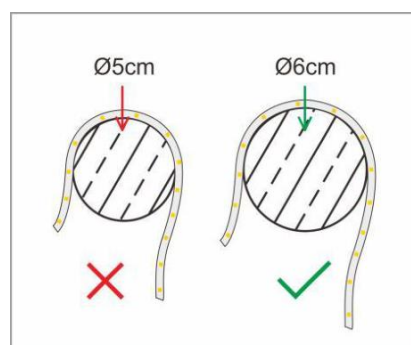
Switch on and enjoy.



No bending  
at the point of leds



No contortion  
of the led strip.



No bending  
with Diameter < 6cm



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### Usual problem with solutions :

Problem	Possible reasons	solution
All fail	No power supply	Give power supply.
	Automatic switch-off because of the open circuit and short circuit	Solve the problem, switch on again.
	Wrong connection (positive connect with negative)	Check and get right connection.
Part fail	Part power-supply fail	Check and make sure the power supply well.
	Part circuit error	
	Part wrong connection(positive connect negative)	Check and get right connection.
Inconsistent brightness or insuffiscent brightness	overload of the driver	Use higher-power driver.
	Too big power consumption of the switch, or unbalanced power consumption from different strip series.	Keep the strip working voltage is more or less 5% than the Rated voltage. 1.shorten the connection cable length, or change to thicker cable. 2.Make sure the strip quantity is less than the allowed connection quantity.Keep the led strip quantity of each series similar ) .
	Too many Led strips connection	Adjust the led strip quantity. make sure sufficient power supply.
LED flash	Poor welding connection of wires	Check,find and solve it.
	switch problem	Change to right switch.

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### **Statements :**

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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-refered data is from our standard product. Please subject to your actual product data if there is difference.

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

In actual use, we suggest 80% consumption of the driver. Keep 20% as power to start the led strip.

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.

