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						

5M/2835 high efficiency Led strips/

320pcs led/meter/DC24V/IP20/24mm

High luminous efficience and Ideal light source for LED Linear Light

2 rows with 24mm FPC can match big size Aluminum profile

Longer life span with 5 years warranty

Lower watts at same brightness/ energy saving

Led with one BIN system, color temperature consistent

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

RA80，RA90 for choice

IP grade：IP20

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-F2835W160-WF0	WW	2700	≥80/90	120	5395/4795	162/144	24	1385	33.3
SW-F2835W160-WF0	WW	3000	≥80/90	120	5628/4962	169/149	24	1385	33.3
SW-F2835N160-WF0	NW	4000	≥80/90	120	5994/5328	180/160	24	1385	33.3
SW-F2835C160-WF0	CW	6000	≥80/90	120	5927/5261	178/158	24	1385	33.3

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Other features:

Product Model	IP grade	Working environment （℃）	Storage environment （℃)	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
SW-F2835N160-WF0	IP20	-25~+45	-30~+80	5	2.5	320	123

Notes：

Testing environment temperature: 25±2℃；

Above data confirmed on the basis of 1M sample, 4000k, RA80, IP20.

Different IP grade with different Data.

Mark"—"means no testing requirement.

Demensions:
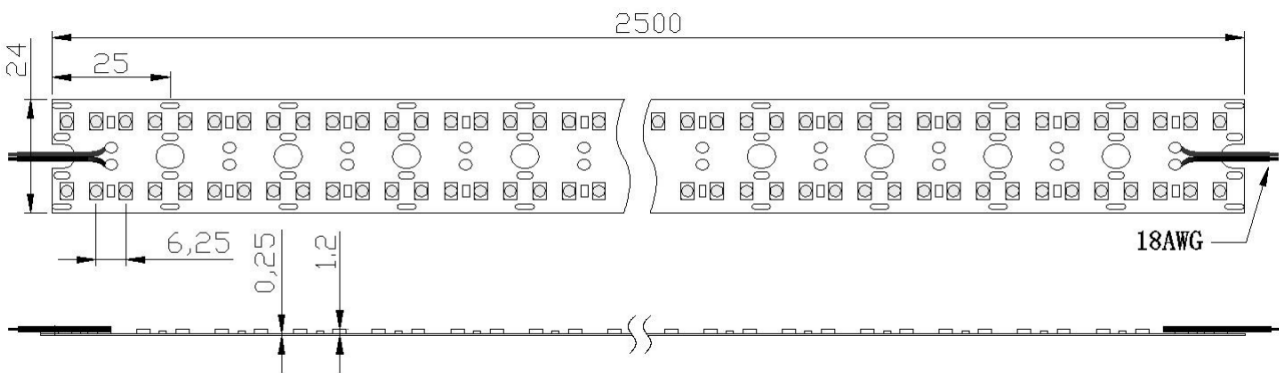
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Electrial principle：

Optical/Lux graph：

UNIT:cd

— C0/180,117.8deg
— C90/270,118.0deg

AVERAGE BEAM ANGLE(50%):117.9 DEG

Flux out:2719 lm

Height	Eavg,Emax	Angle:116.37deg	Diameter
1m	312.4,11891x		322.38cm
2m	78.11,297.21x		644.76cm
3m	34.71,132.11x		967.14cm
4m	19.53,74.301x		1289.52cm
5m	12.50,47.551x		1611.90cm
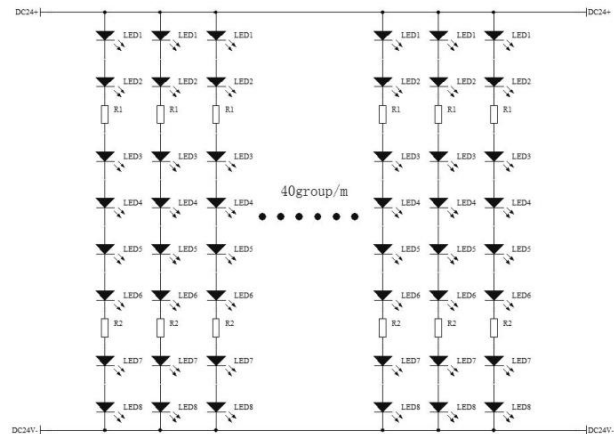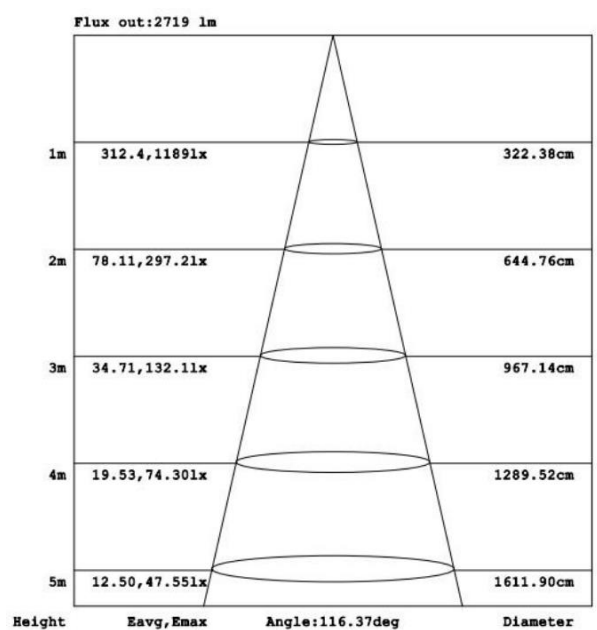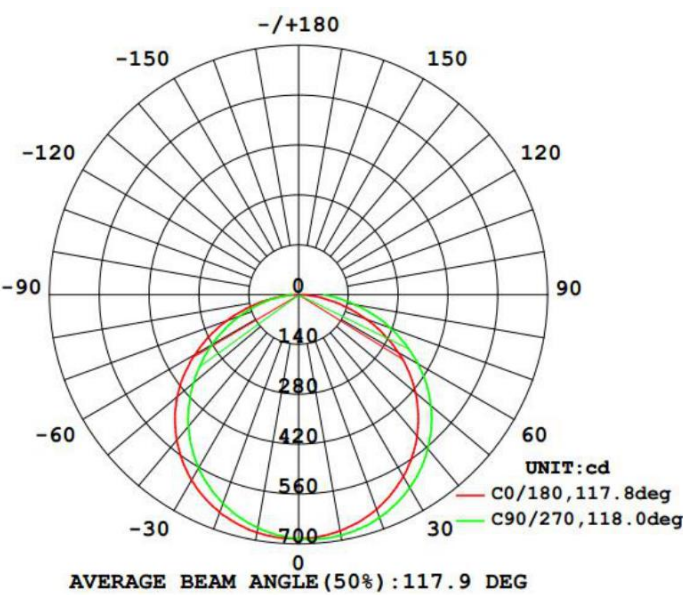
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Package details：

Model	carton	Qty/Roll(m)	Qty/Carton(m)	Total Qty(m)	G.W(Kg)	size(mm)
SW-F2835X160-WF0	inner box	5	50	50	1.46	L303*230*260
	outer box	5	200	200	6.46	L620*W472*H280

Package：
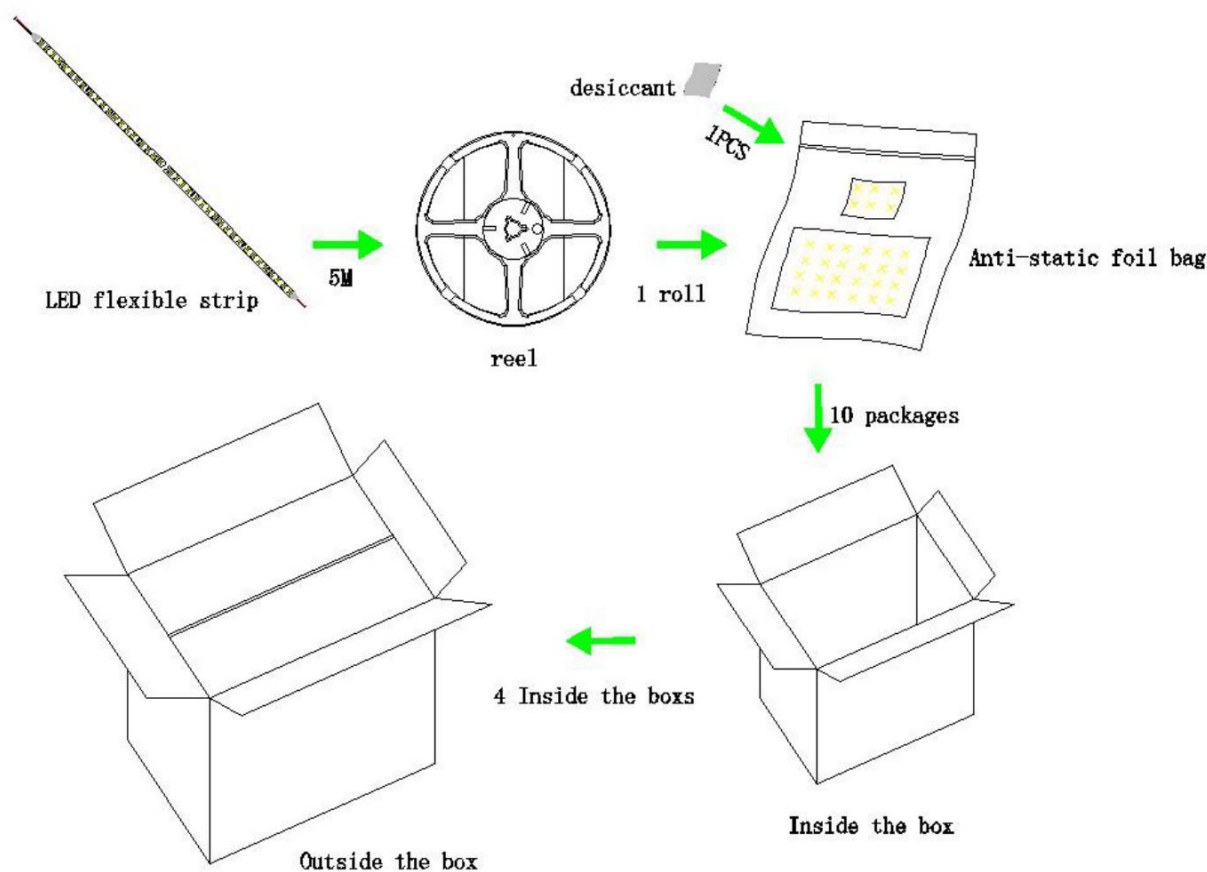
desiccant

LED flexible strip   5M   reel   1 roll   Anti-static foil bag

10 packages

4 Inside the boxs   Inside the box

Outside the box

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Schematic：

LED driver

LED driver

Dimmer

2500

2500

2500

2500

2500

"+": red wire

"-": black wire

（PS：Strip positive connect to the driver positive,

Strip negative connect to driver negative）
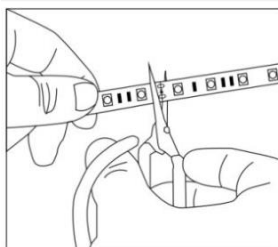
Product and needed tools：

Product
Led strip
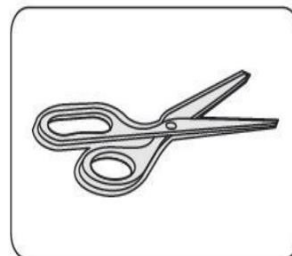
Needed tools
scissor

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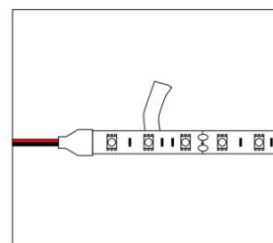320pcs led/meter/DC24V/IP20/24mm
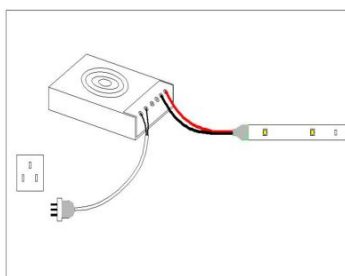
Installation steps：
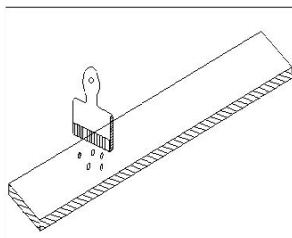
Clean the installation surface

Measure the length you need to install, cut at the nearest scissor mark line.
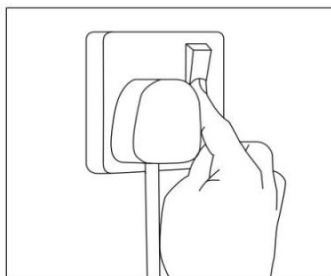For the left led strip, weld at the next scissor mark to connect with other connection wire.
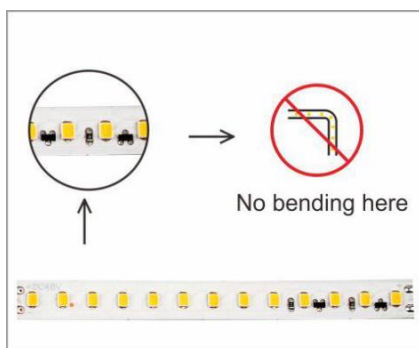
Do not pull the whole led strip from the back release paper by one time. No press on the leds.
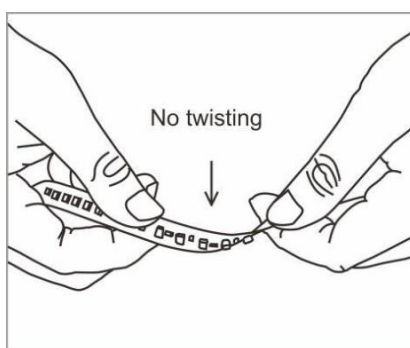
Connect the led strip wire to the driver output side (Positive to positive, negative to negative.)
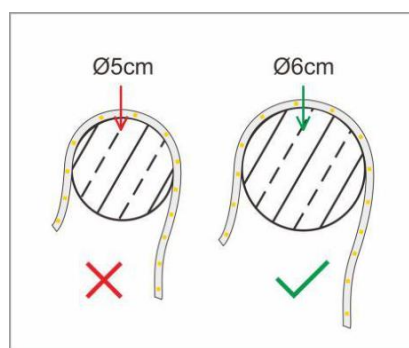Connect the driver input side to power-supply.

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
	No power supply	Give power supply
All fail	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 power-supply fail	Check and make sure the power supply well.
Part fail	Part circuit error	
	Part wrong connection(positive connect negative)	Check and get right connection.
	overload of the driver	Use higher-power driver
Inconsistent brightness or insuffiscent brightness	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：

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.