

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
		2216	Z	Chasing	120	WF4	IP68			36	DC36V	K012 12mm
			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/5050RGBW constant voltage Led strips/

60pcs led/meter/DC12V&24V/IP20/10mm

Single chip: 4 in 1,better mixing-lighting effect
Leds: 99.99% golden wire and copper support, super bright leds, stable and reliable.
high quality white and RGB full changing light, freely to change the atmosphere of space
More color available, by using with specialized RGBW controller
With famous brand 3M back-tape, more flexible installation, also with better heat-dissipation.
IP grade: IP20, IP65 available
cUL&CE&ROHS certificated.



Application:

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

Installation:

3M Adhesive

Warranty:

3 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-F5050RGBW30-WF0	WW	2700-2850	≥80	120	344	80	12/24	358/179	4.3
SW-F5050RGBW30-WF0	WW	2800-3000	≥80	120	356	82	12/24	358/179	4.3
SW-F5050RGBN30-WF0	NW	4000-4500	≥80	120	370	86	12/24	358/179	4.3
SW-F5050RGBC30-WF0	CW	6000-6500	≥80	120	361	84	12/24	358/179	4.3
SW-F5050RGBW30-WF0	RGBW	—	—	120	—	—	12/24	1433/716	17.2

Product Model	Color	WL (NM)	Ra	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage (V DC)	Current (mA/m)	Power (W/m)
SW-F5050RGBW30-WF0	R	620-625	—	120	—	—	12/24	358/179	4.3
SW-F5050RGBW30-WF0	G	520-525	—	120	—	—	12/24	358/179	4.3
SW-F5050RGBW30-WF0	B	465-470	—	120	—	—	12/24	358/179	4.3
SW-F5050RGBW30-WF0	RGB	—	—	120	—	—	12/24	1075/537	12.9

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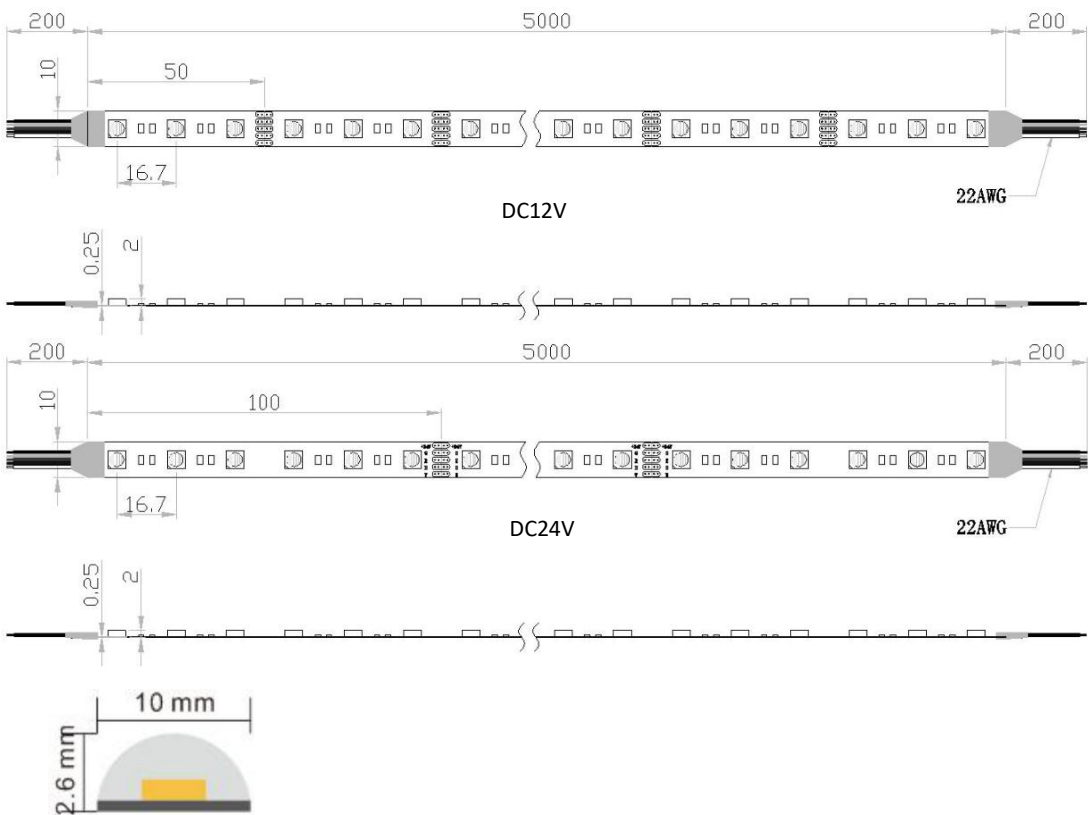
Other features:

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-F5050RGBX30-WF0	IP20	-25~+45	-30~+80	5	5	60	159

Notes:

- Testing environment temperature: 25±2℃ ;
- Above data confirmed on the basis of 1M sample, 3000k, IP20.
- Different IP grade with different Data.
- Mark"—"means no testing requirement.

Dimensions:

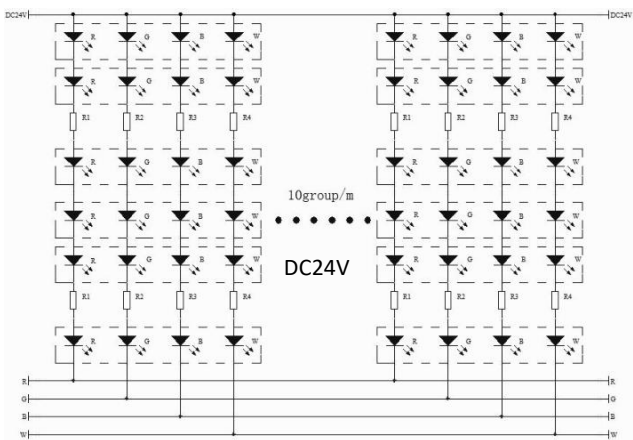
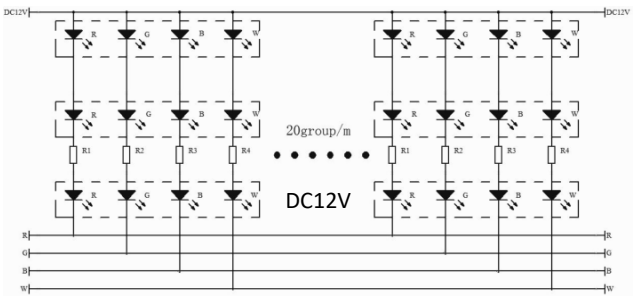


IP65
(Silicone glue)

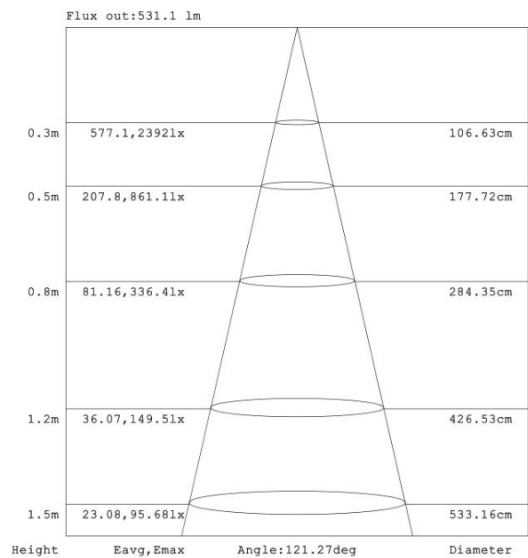
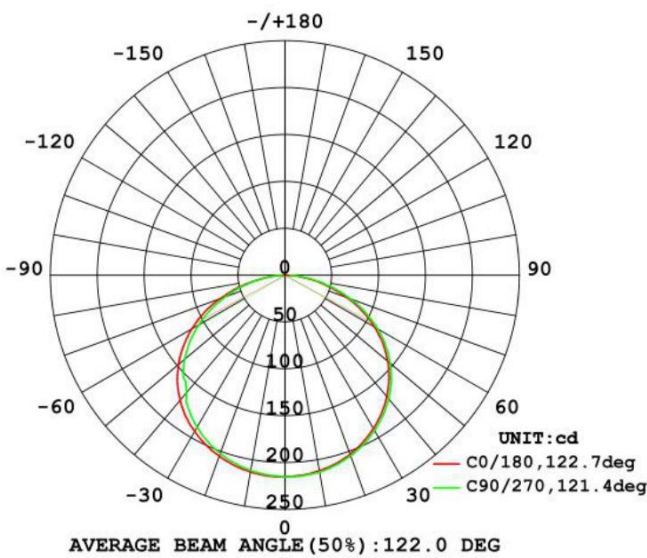
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Electric principle:



Optical/Lux graph:



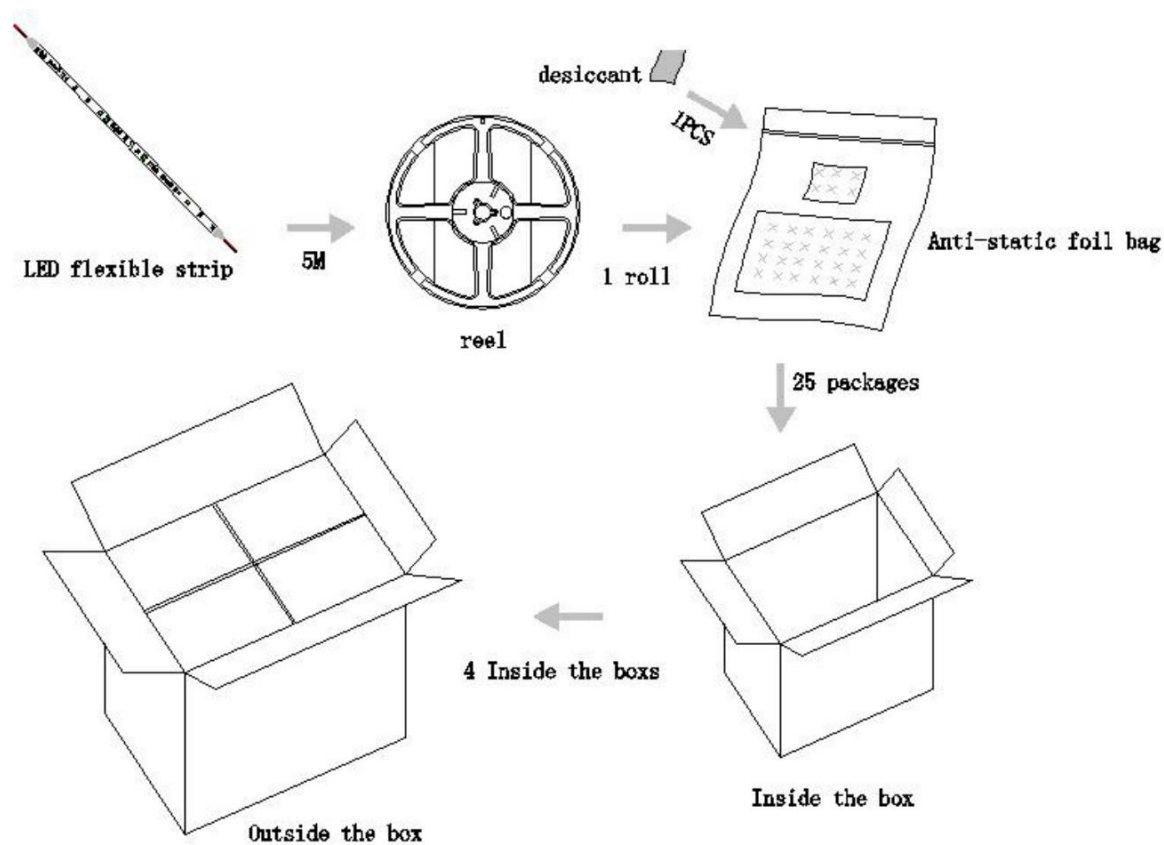
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Package details :

Model	carton	Qty/Roll(m)	Qty/Carton(m)	Total Qty(m)	G.W(Kg)	size(mm)
SW-F5050RGBX30-WF0	inner box	5	125	125	4.2	L303*W230*H260
	outer box	5	500	500	17.9	L620*W472*H280

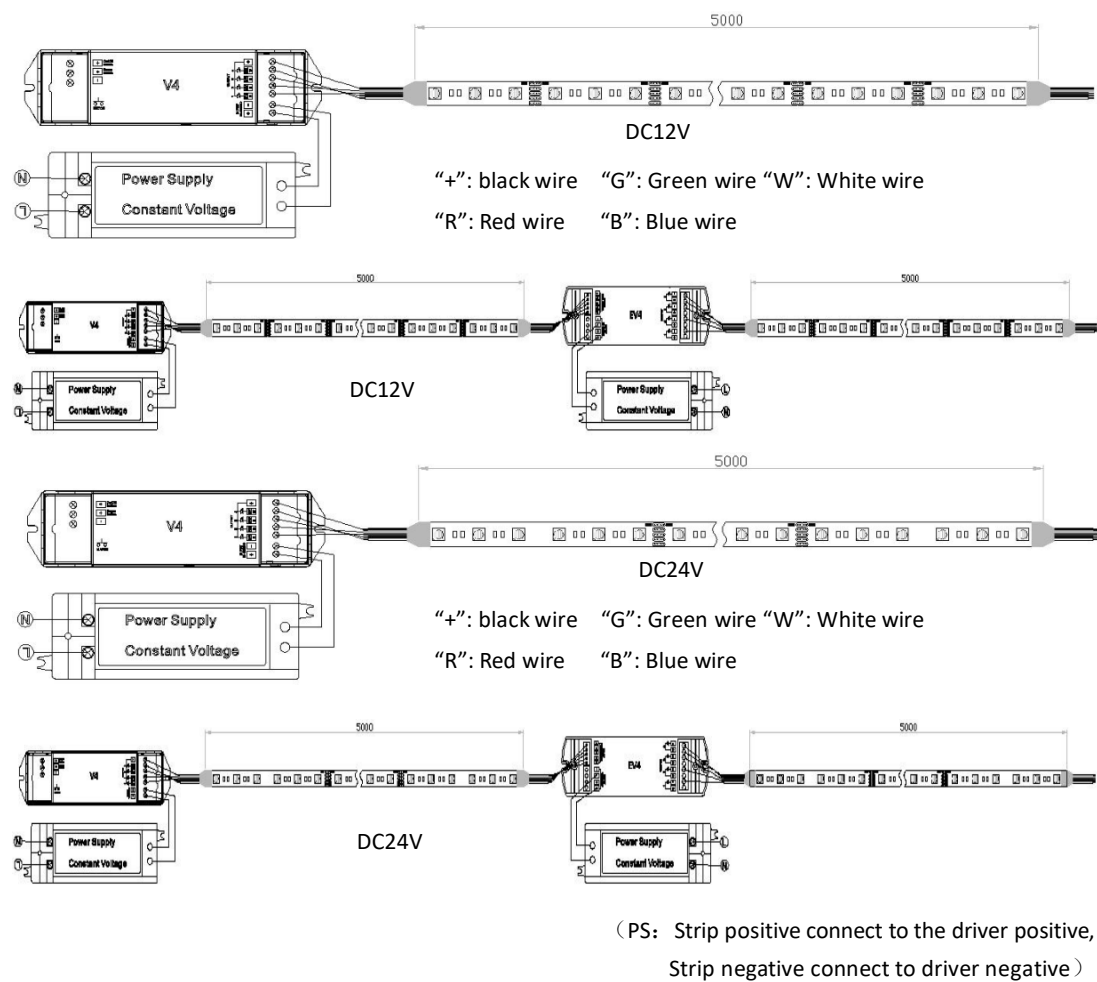
Package :



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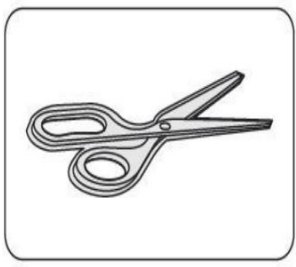
Schematic :



Product and needed tools :



Product
Led strip

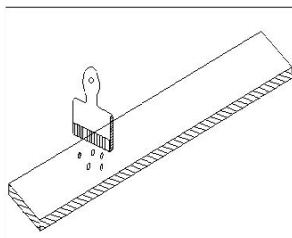


Needed tools
scissor

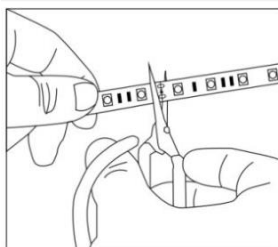
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Installation steps:

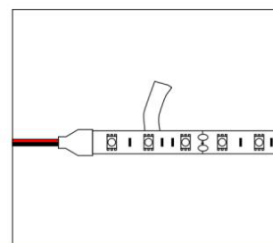


Clean the installation surface

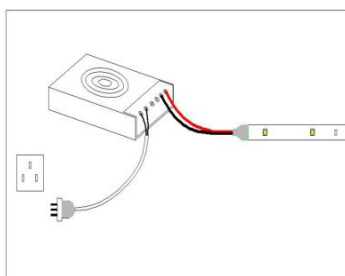


Measure the length you need to install, cut at the nearest scissor mark line.

For the left led strip, weld at the next scissor mark to connect with other connection wire.

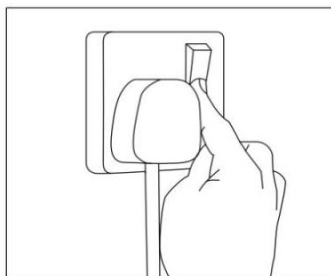


Do not pull the whole led strip from the back release paper by one time. No press on the leds.

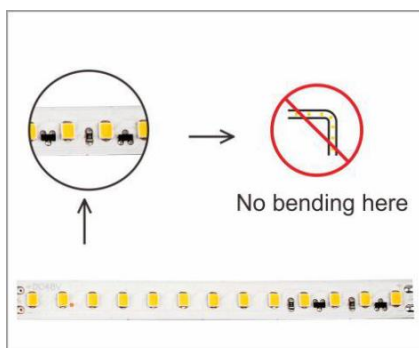


Connect the led strip wire to the driver output side (Positive to positive, negative to negative.)

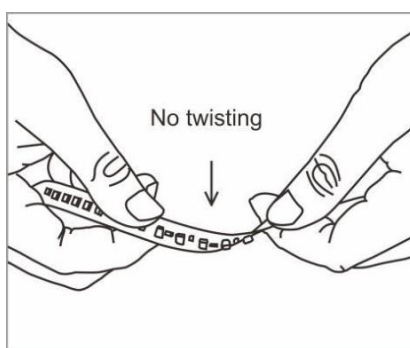
Connect the driver input side to power-supply.



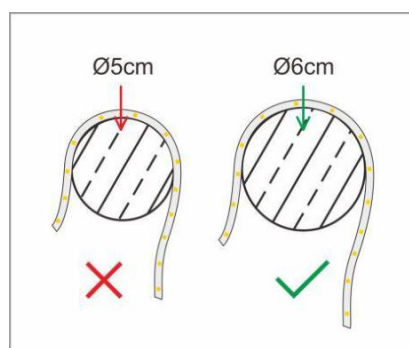
Switch on and enjoy.



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 :

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.

