

2835 constant voltage Led strips

224pcs led/meter/DC24V/IP20/10mm

- super bright leds, stable and reliable.
- Double PCB, reduce the voltage drop.
- High cost-effective.
- Leds with one BIN system, consistent color, also Ra80 R90 for choice.
- IP grade: IP20
- 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:

5years



Optical&Electric:

Product Model	Color	CCT (K)	Ra	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage (V DC)	Current (mA/m)	Power (W/m)
RS224-24/20-10/50 840	WW	2700	≥80/90	120	2762/2258	137/112	24	840	20.16
	WW	3000	≥80/90	120	2903/2379	144/118	24	840	20.16
	NW	4000	≥80/90	120	3024/2681	150/133	24	840	20.16
	CW	6500	≥80/90	120	2964/2621	147/130	24	840	20.16

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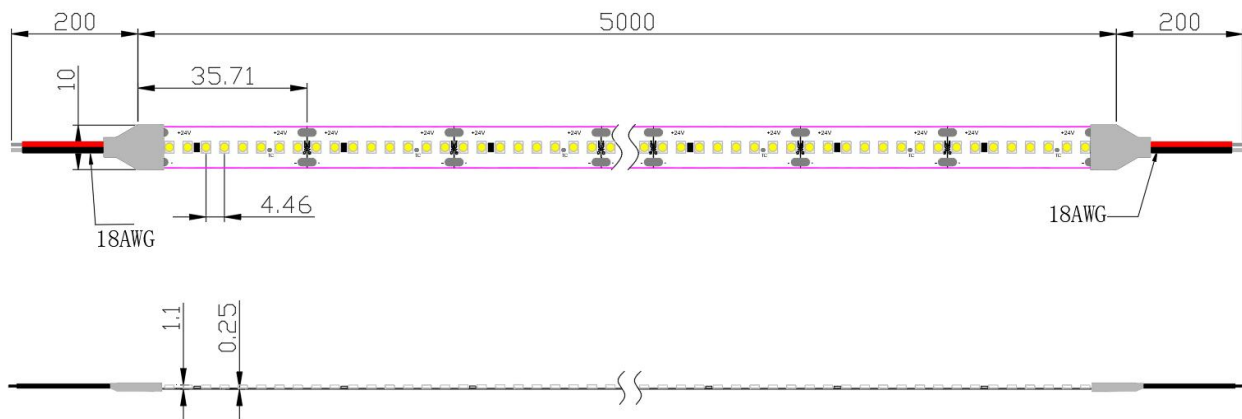
Other features:

Product Model	IP grade	Working environment (°C)	Storage environment(°C)	Length(m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
RS224-24/20-10/50 840	IP20	-25~+45	-30~+80	5	4	224	61.5

Notes:

- Testing environment temperature: $25 \pm 2^{\circ}\text{C}$;
- The above data is confirmed based on the measured data of 1M samples, RA90, and IP20.
- Different IP grade with different Data.
- Mark"—"means no testing requirement.

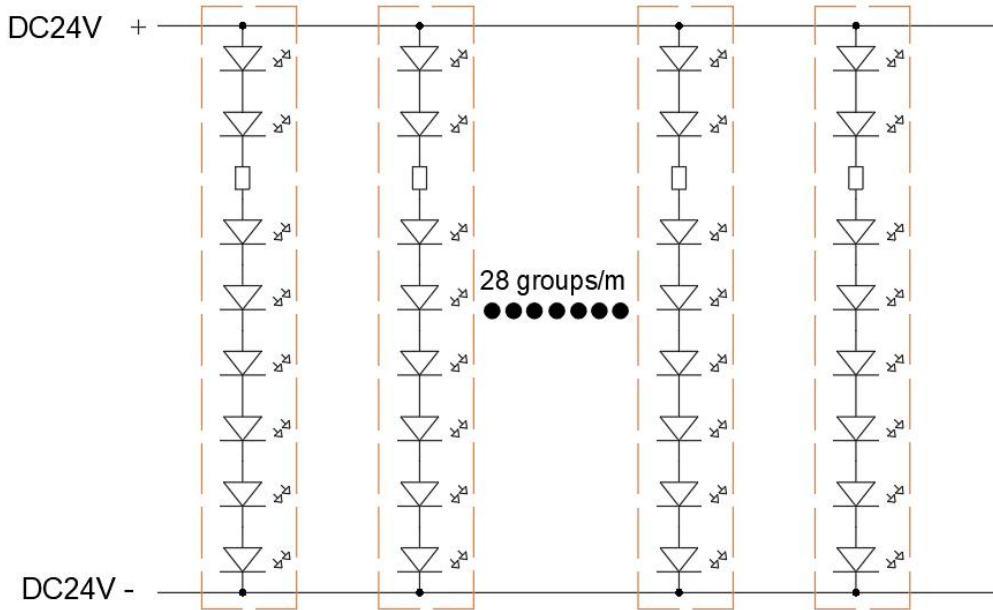
Dimensions:



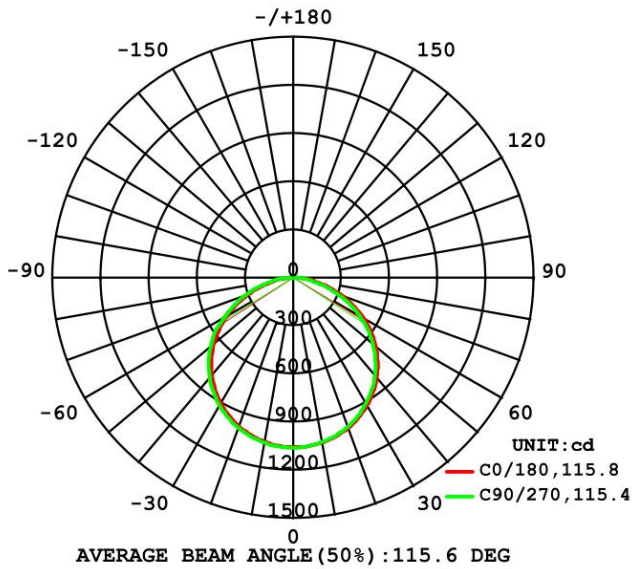
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Electric principle:



Optical/Lux graph:



Flux out: 2360 lm

Height	Eavg, Emax	Angle: 115.43deg	Diameter
1m	293.4, 1061lx		316.58cm
2m	73.34, 265.2lx		633.16cm
3m	32.60, 117.9lx		949.74cm
4m	18.34, 66.30lx		1266.32cm
5m	11.74, 42.43lx		1582.90cm
6m	8.149, 29.47lx		1899.48cm
7m	5.987, 21.65lx		2216.06cm
8m	4.584, 16.58lx		2532.64cm
9m	3.622, 13.10lx		2849.22cm
10m	2.934, 10.61lx		3165.80cm

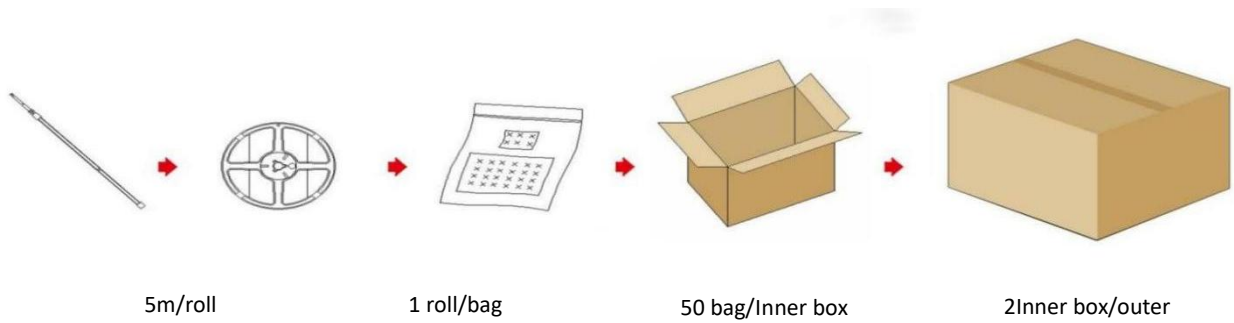
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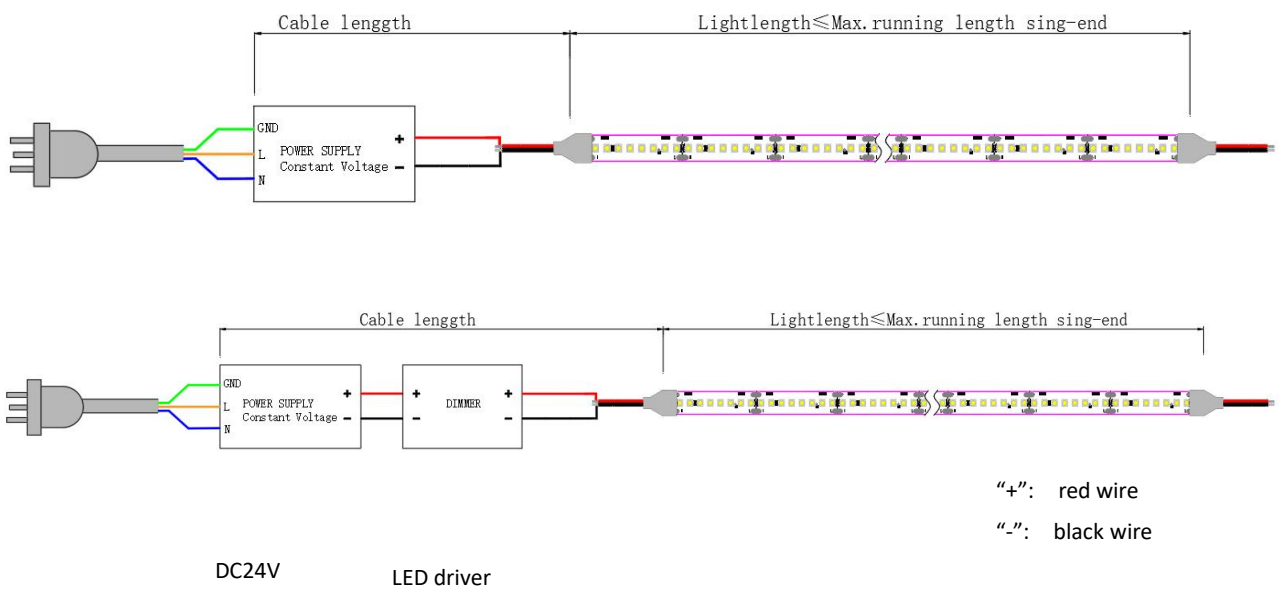
Package details :

Model	carton	Qty/Roll(m)	Qty/Carton(m)	Total Qty(m)	G.W(Kg)	size(mm)
RS224-24/20-10/50 840	inner box	5	250	250	9.57	L360*W330*H200
	outer box	5	500	500	20.24	L680*W375*H225

Package :



Schematic :

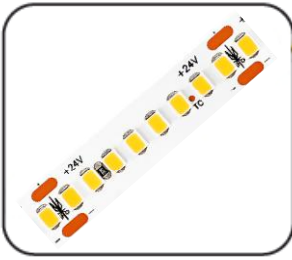


(PS: Strip positive connect to the driver positive,
Strip negative connect to driver negative)

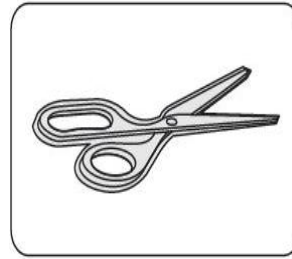
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Product and needed tools :

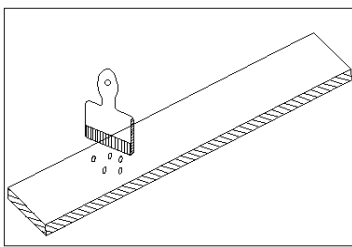


Product
Led strip

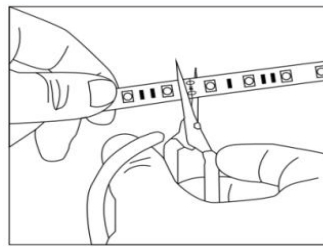


Needed tools
scissor

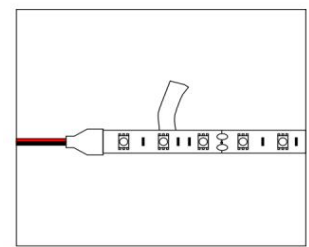
Installation steps:



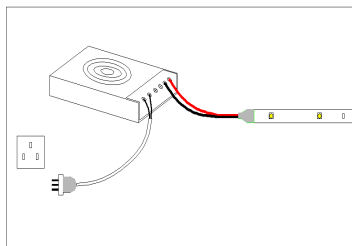
- Clean the installation surface



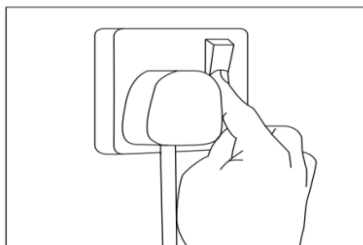
- Measure the length you need to install, cut at the nearest scissor mark line.
- For the left led strip, weld at the next scissor mark to connect with other connection wire.



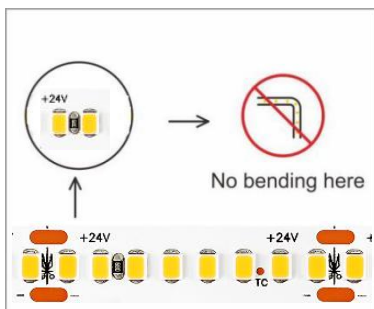
- Do not pull the whole led strip from the back release paper by one time. No press on the leds.



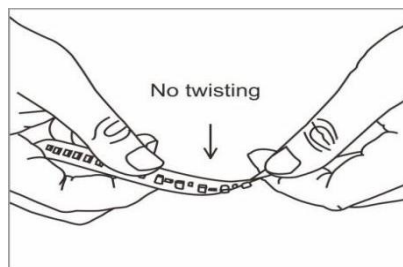
- Connect the led strip wire to the driver output side (Positive to positive, negative to negative.)
- Connect the driver input side to power-supply.



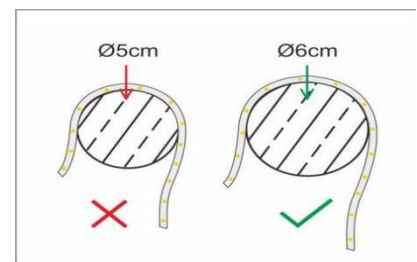
- Switch on and enjoy.



- 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	<ul style="list-style-type: none">● No power supply.	Give power supply.
	<ul style="list-style-type: none">● Automatic switch-off because of the open circuit and short circuit.	Solve the problem, switch on again.
	<ul style="list-style-type: none">● Wrong connection (positive connect with negative).	Check and get right connection.
Part fail	<ul style="list-style-type: none">● Part power-supply fail.	Check and make sure the power supply well.
	<ul style="list-style-type: none">● Part circuit error.	
Inconsistent brightness or insuffiscent brightness	<ul style="list-style-type: none">● Part wrong connection(positive connect negative).	Check and get right connection.
	<ul style="list-style-type: none">● overload of the driver.	Use higher-power driver.
	<ul style="list-style-type: none">● 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) .
	<ul style="list-style-type: none">● Too many Led strips connection.	Adjust the led strip quantity, make sure sufficient power supply.
LED flash	<ul style="list-style-type: none">● Poor welding connection of wires.	Check,find and solve it.
	<ul style="list-style-type: none">● 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.
- reserve the final interpretation of the specification.