

5M/COB Digital(SPI) Led strips/RGB

COB/SPI/RGB/720/12mm/24V

- COB design, 720 leds/m, 20pcs external IC per meter, better linear light effect
- We use smart IC WS2818
- Intelligent bad point retransmission.
- CE&ROHS certificated.



Application:

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

Installation:

3M Adhesive

Warranty:

3 years



Optical&Electrial:

Product Model	Color	WL(nm)&CCT(K)	Ra	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage (V DC)	Current (mA/m)	Power (W/m)
720COB-24_22-12_5-SPI_RGB	R	620-625	—	120	131	16.37	24	333	8
	G	525-530	—	120	476	59.6	24	333	8
	B	460-465	—	120	78	9.8	24	333	8
	RGB	-	-	120	673	30.6	24	875	22

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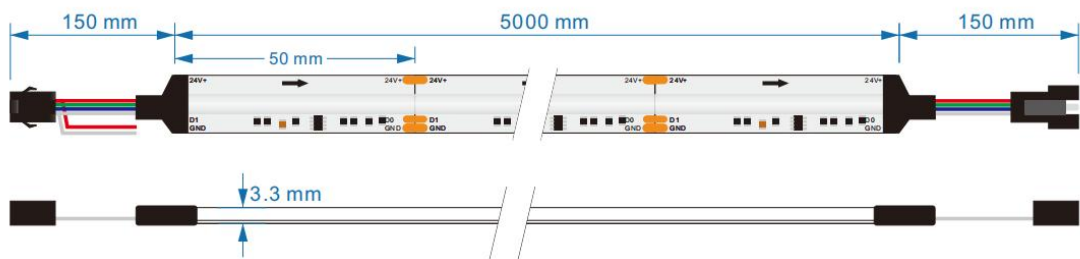
Other features:

Product Model	IP grade	Working environment (°C)	Storage environment (°C)	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
720COB-24_22-12_5-SPI_RGB	IP20	-25~+45	-30~+80	5	5	720	112

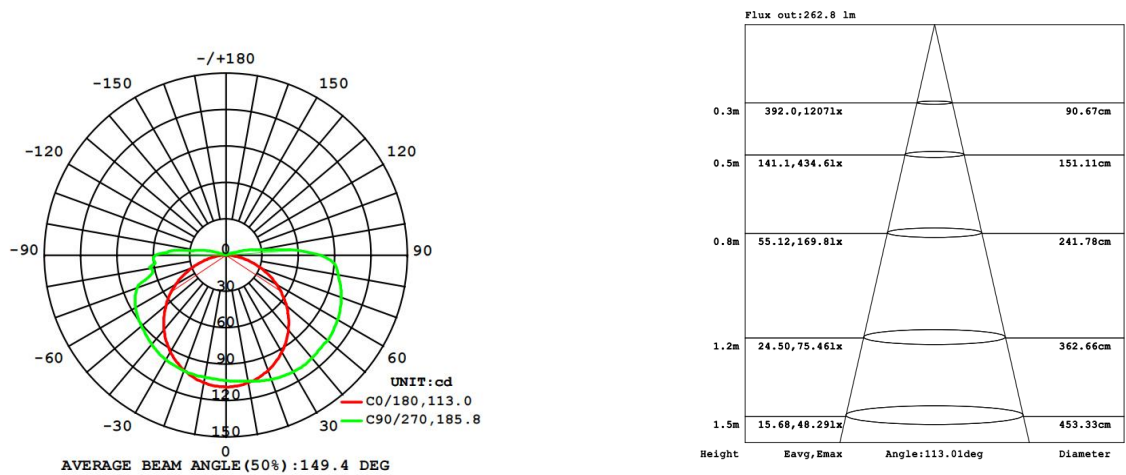
Notes:

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

Demensions:



Optical/Lux graph :



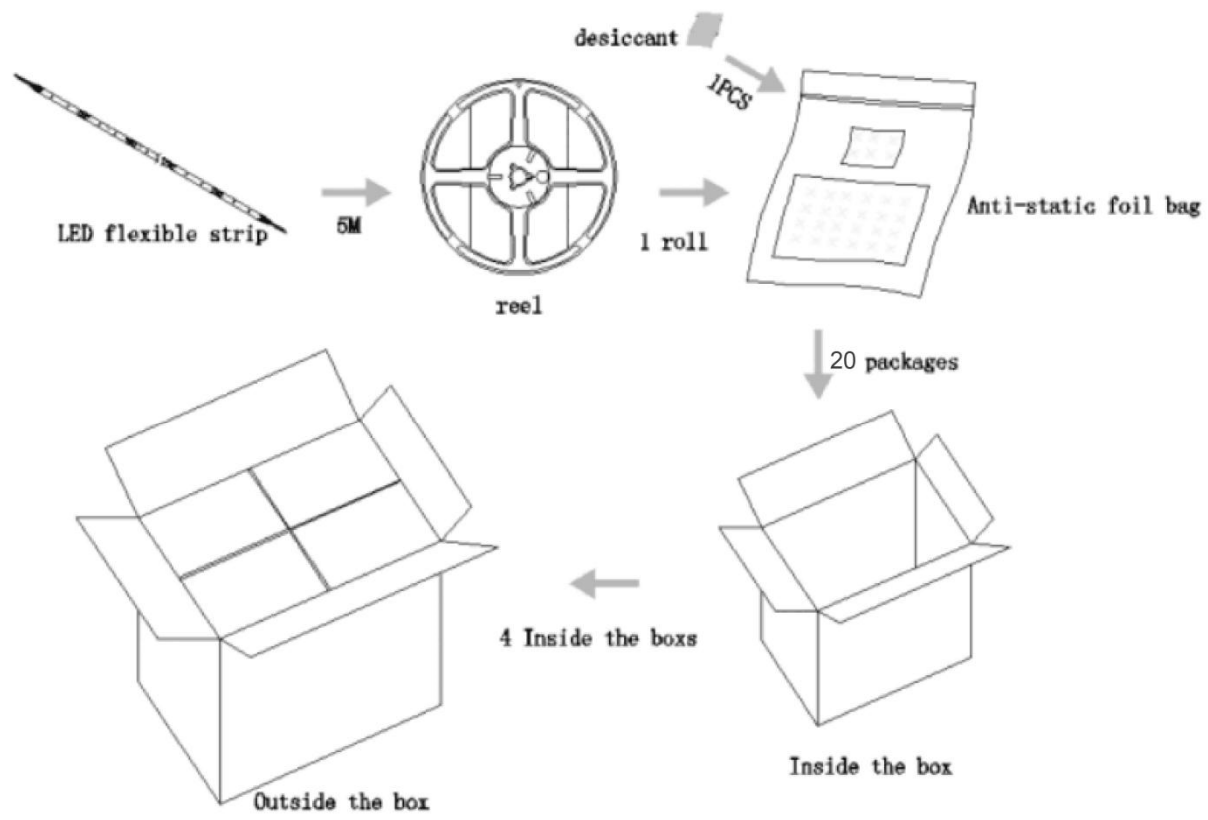
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Package details:

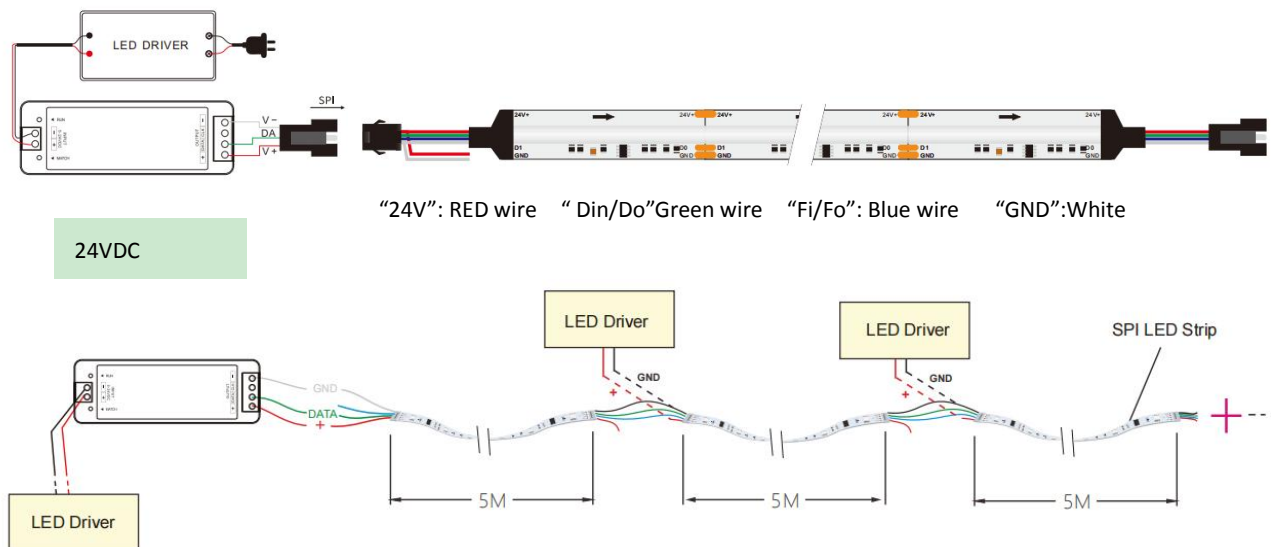
Model	carton	Qty/Roll(m))	Qty/Carton(m)	Total Qty(m)	G.W(Kg)	size(mm)
720COB-24_22-12_5 -SPI_RGB	inner box	5	100	100	3.06	L303*W230*H260
	outer box	5	400	400	13.5	L620*W472*H280

Package:



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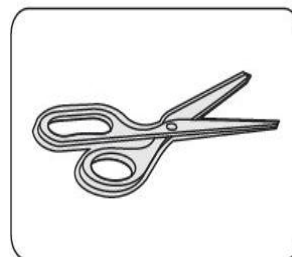
Schematic:



Product and needed tools:



Product
Led strip

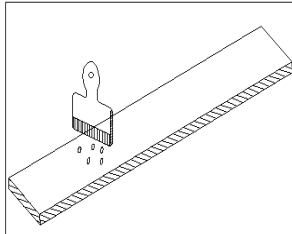


Needed tools
scissor

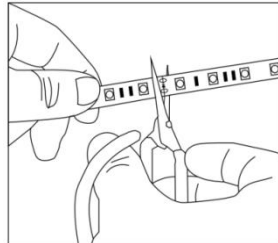
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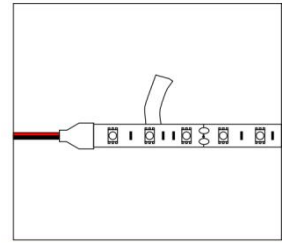
Installation steps:



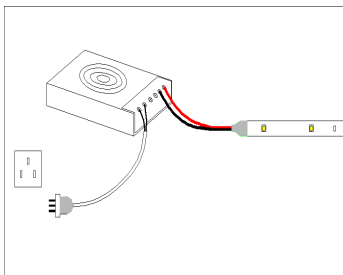
- Clean the installation surface



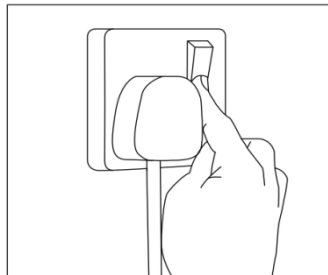
- Measure the length you need to install, cut at the nearest scissor mark line.
- For the left led strip, weld at the next scissor mark to connect with other connection wire.



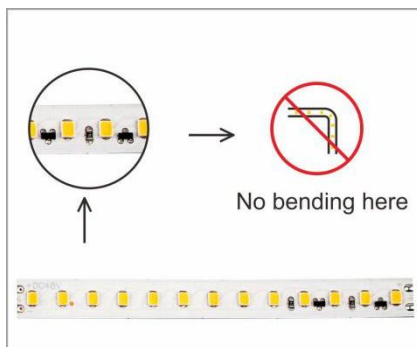
- Do not pull the whole led strip from the back release paper by one time. No press on the leds.



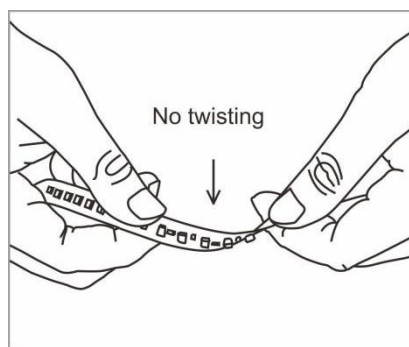
- Connect the led strip wire to the driver output side (Positive to positive, negative to negative.)
- Connect the driver input side to power-supply.



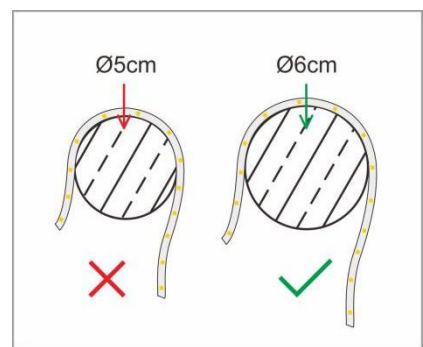
- Switch on and enjoy.



- 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	<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	
	<ul style="list-style-type: none">● Part wrong connection(positive connect negative)	Check and get right connection.
Inconsistent brightness or insuffiscent brightness	<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.