



## RGB-840LED/m-DC12/24V-10MM-14W

## SPECIFICATION



**840.**  
LED Qty

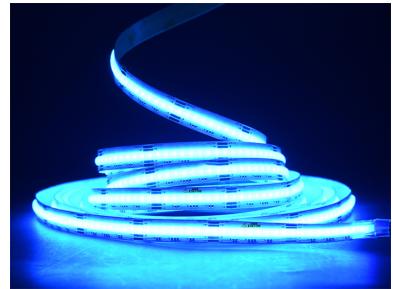
**12/24.**  
Voltage

**10.**  
FPC width

**14.**  
Power

**Product features:**

- Lighting can be controlled freely, R, G, B, Yellow, Pink, Purple, ect., up to 16 million colors available.
- High density led chips, bighter and allows for vibrant color blending, ideal for decorative, architectural, or mood lighting.
- No flicker, comfortable uniform and ambient lighting, rich and natural colors.
- High-quality FPC circuit board, resistant to bending, strong flexibility, easy to shape.
- IP grade : IP20, IP65,IP66,IP67,IP68 available.
- Long service life, providing 5-year warranty service.

**Application:**

Widely used in hotels, shopping malls, furniture, cabinets, shelves, bars, e-sports game arenas, outdoor lighting landscapes and other scenes, can be used for decorative lighting, direct lighting or indirect lighting



## Product parameters:

### Basic parameter:

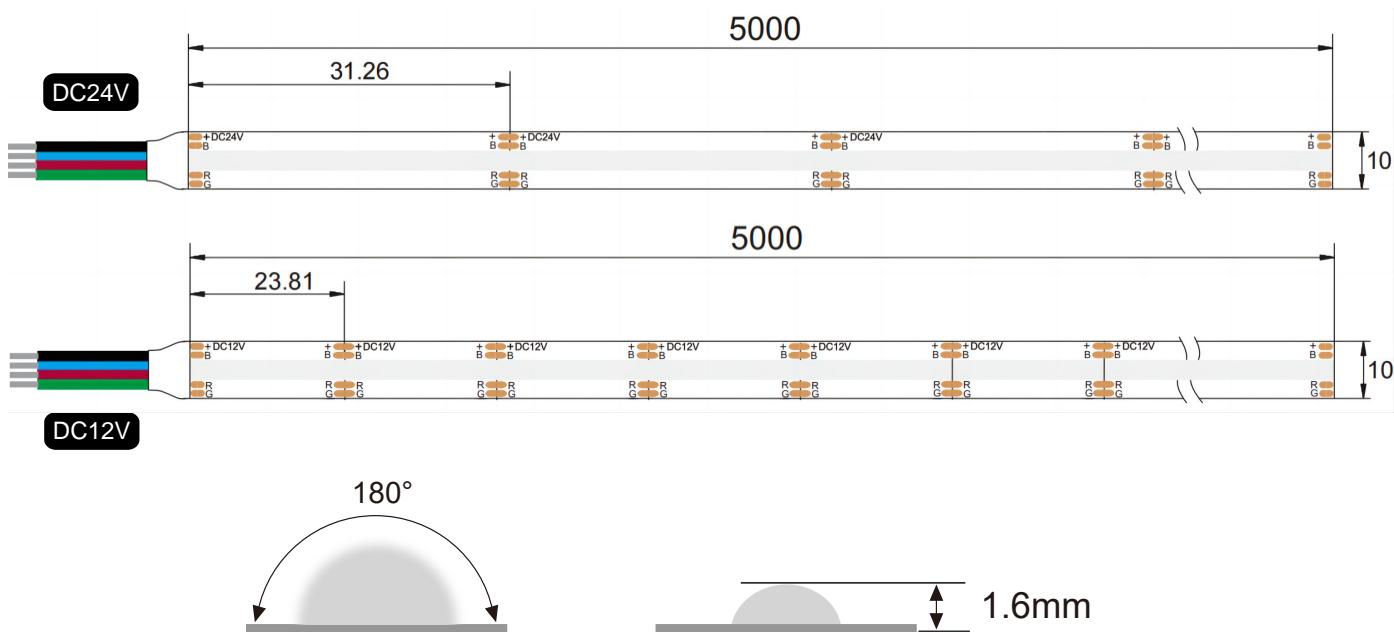
Color	WL(NM)	RA	Beam angle	Lumen (Lm/m)±5%	Efficiency (l/m/W)±5%	Voltage (V DC)	Electric current (mA/m)	Power(W/m)
R	620-625	/	180°	100	25	12/24V	167-333	4
G	520-525	/	180°	498	83	12/24V	250-500	6
B	465-470	/	180°	52	13	12/24V	167-333	4
RGB	-	/	180°	686	49	12/24V	583-1167	14

### Other parameters:

IP grade	Working environment	Storage environment	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
IP20	-25°C~+45°C	-30°C~+80°C	5	5	840	175

### Packaging parameters:

Packaging material	A roll(m)	A boxful (roll)	Total Qty(m)	size(mm)	G.W(Kg)
Carton	5	100	500	L720*W280*H410	18.5





QUALITY



HONESTY



SERVE

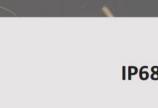


INNOVATION

## Processing custom waterproof process:



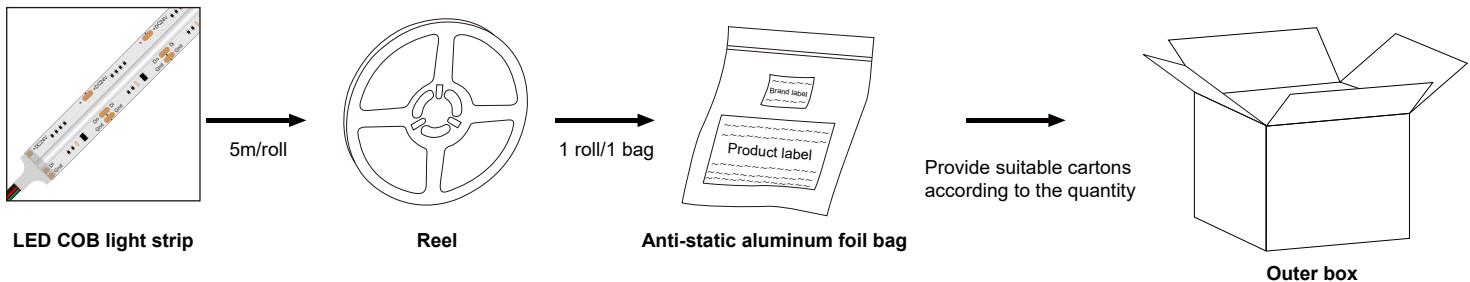
**Contrast of Process**

IP RATING	STRUCTURE	FEATURE	REMARK
IP20		Non-Waterproof	Indoor Use Only
IP54		Nano Coated	Thin Film Coating Anti Splash Water Tiny Size Changed (Same Looking as IP20)
IP65		Silicone glue Coated Waterproof Suitable for Damp Location	Silicone Glue Coating Dripping Anti Splash Water Tiny Size Changed
IP67A		Silicone Extrusion Waterproof Suitable for Short-time Wet Location	Extruding Process Suitable for outdoor places without standing water
IP67B		Silicone Tube Waterproof Suitable for Damp Location	Silicone Empty inside Anti Spray Water Tiny Color Shift
IP67C		Silicone Extrusion Waterproof Suitable for Short-time Wet Location	Extruding Process Suitable for outdoor places without standing water
IP67D		U-Tube Instilled Silicone Glue Waterproof Suitable for Short-time Wet Location	Silicone Glue Coating Suitable for outdoor places without standing water
IP68A		Silicone Tube Injected Silicone Glue Waterproof Suitable for Outdoor and Underwater	360° Silicone Filling Use for Outdoor and Underwater
IP68B		Silicone Solid Extrusion Waterproof Suitable for Outdoor and Underwater	360° Silicone Filling Use for Outdoor and Underwater

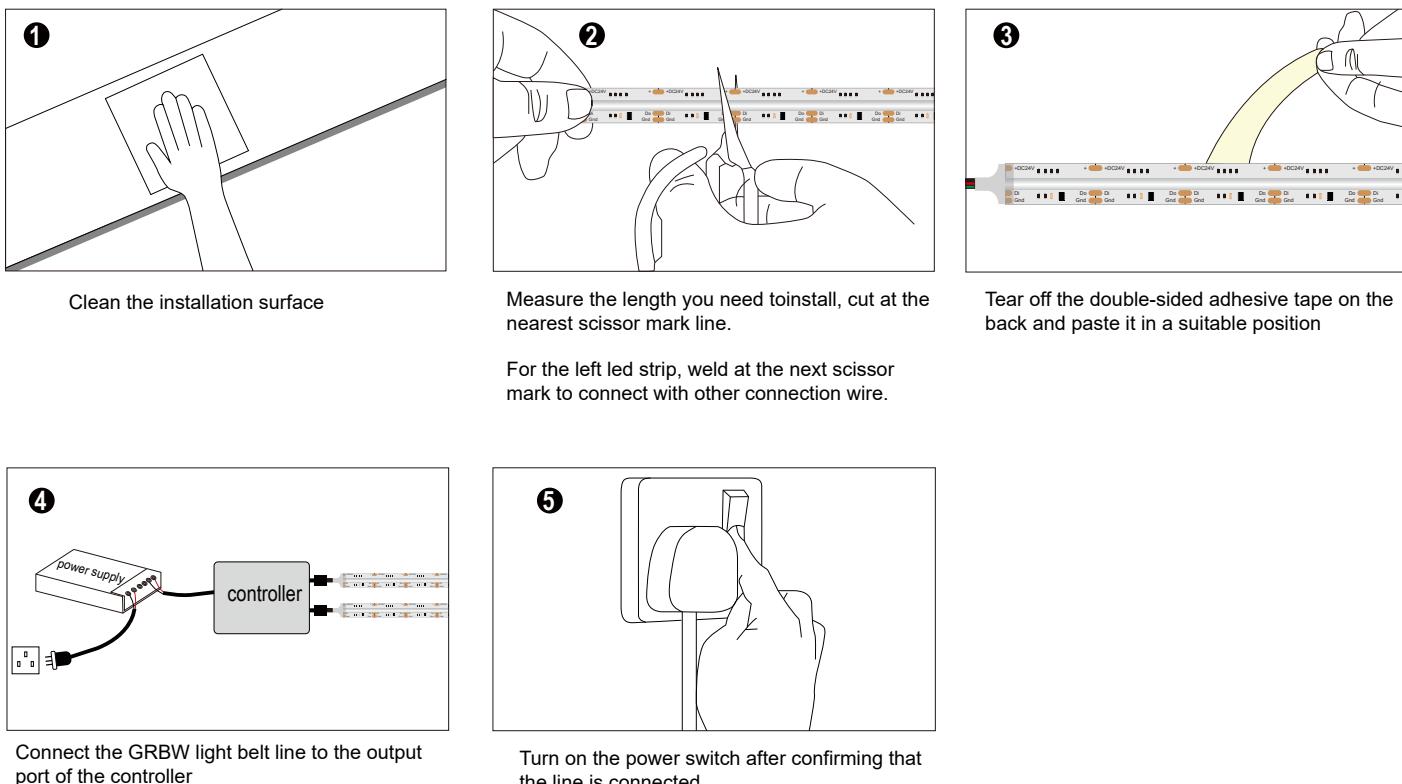
IP code : Ingress Protection Marking, IEC standard 60529

07
08

## Package:



## Installation diagram:



## Statements :

- 1). For safety, the product wire should be moved and replaced by the manufacturer, agent or other authorized person.
- 2). Please refer to the product manual before installation.
- 3). Above-refered schematic diagrams are from our standard product. Please subject to your actual product data if there is difference.
- 4). In actual use, we suggest 80% consumption of the driver. Keep 20% as power to start the led strip.
- 5). For safety, no touch the AC terminal.
- 6). Any acidic or alkaline substance is forbidden.
- 7). No notice for updated of this product.



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 insufficient 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.