RGBCCT-840LED/m-DC24V-12MM-25W

SPECIFICATION
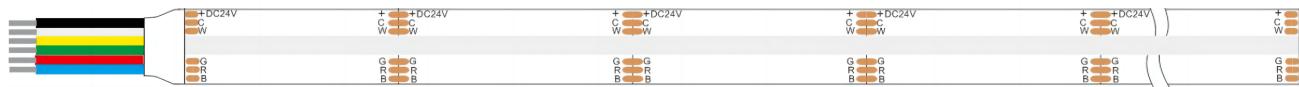
| **840** LED	**24** V	**12** mm	**25** w/m
LED Qty	Voltage	FPC width	Power

Product features:

-With RGB (Red, Green, Blue) combined with W (Dual White), can produce a wide spectrum of colors, including pure whites and vibrant hues, making it versatile for various lighting applications.

-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

180° Beam angle | CE | RoHS | Dimmable | 5 WARRANTY | IP20
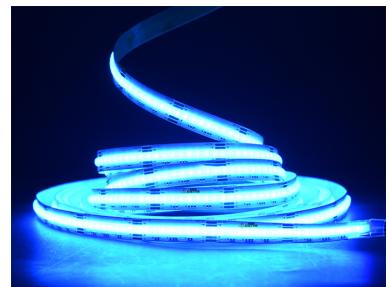
Application:

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
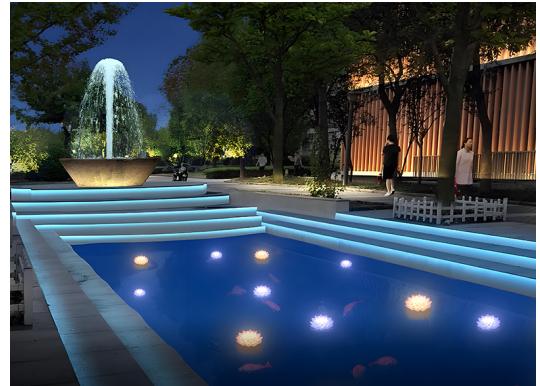
Product parameters:

Basic parameter:

Color	WL(NM)	RA	Beam angle	Lumen (Lm/m)±5%	Efficiency (lm/W)±5%	Voltage (V DC)	Electric current (mA/m)	Power(W/m)
R	620-625	/	180°	100	25	24V	167	4
G	520-525	/	180°	581	83	24V	292	7
B	465-470	/	180°	156	13	24V	167	4
C	6000K	/	180°	332	83	24V	167	4
W	3000K	/	180°	498	83	24V	250	6
RGBCT	-	/	180°	2075	83	24V	1042	25

Other parameters:

IP grade	Working environment	Storage environment	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
IP20	-25℃~+45℃	-30℃~+80℃	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
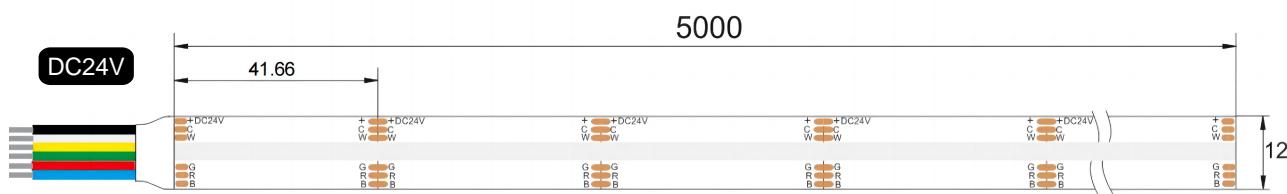
Processing custom waterproof process:

Contrast of Process

IP RATING	STRUCTURE	FEATURE	REMARK
IP20	Led / Fpc	Non-Waterproof	Indoor Use Only
IP54	Led / Nano / Fpc	Nano Coated	Thin Film Coating Anti Splash Water Tiny Size Changed (Same Looking as IP20)
IP65	Si Glue / Led / Fpc	Silicone glue Coated Waterproof Suitable for Damp Location	Silicone Glue Coating Dropping Anti Splash Water Tiny Size Changed
IP67A	Si Glue / Led / Fpc	Silicone Extrusion Waterproof Suitable for Short-time Wet Location	Extruding Process Suitable for outdoor places without standing water
IP67B	Tube / Led / Fpc	Silicone Tube Waterproof Suitable for Damp Location	Silicone Empty inside Anti Spray Water Tiny Color Shift
IP67C	Si Glue / Led / Fpc	Silicone Extrusion Waterproof Suitable for Short-time Wet Location	Extruding Process Suitable for outdoor places without standing water
IP67D	Si Glue / Tube / Led / Fpc	U-Tube Instilled Silicone Glue Waterproof Suitable for Short-time Wet Location	Silicone Glue Coating Suitable for outdoor places without standing water
IP68A	Tube / Si Glue / Led / Fpc	Silicone Tube Injected Silicone Glue Waterproof Suitable for Outdoor and Underwater	360° Silicone Filling Use for Outdoor and Underwater
IP68B	Si Glue / Led / Fpc	Silicone Solid Extrusion Waterproof Suitable for Outdoor and Underwater	360° Silicone Filling Use for Outdoor and Underwater
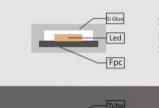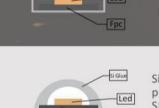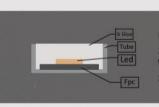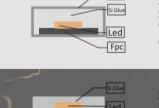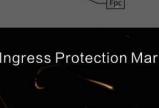
IP code：Ingress Protection Marking，IEC standard 60529

Package:

5m/roll	1 roll/1 bag		Provide suitable cartons according to the quantity

LED COB light strip   **Reel**   **Anti-static aluminum foil bag**

Brand label

Product label

Outer box

Installation diagram:

❶

Clean the installation surface

❷

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

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

❸

Tear off the double-sided adhesive tape on the back and paste it in a suitable position

❹

power supply   controller

Connect the GRBW light belt line to the output port of the controller

Connect the input terminal line of the controller to the power supply, (positive pole to positive pole, negative pole to negative pole)

❺

Turn on the power switch after confirming that the line is connected

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 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.