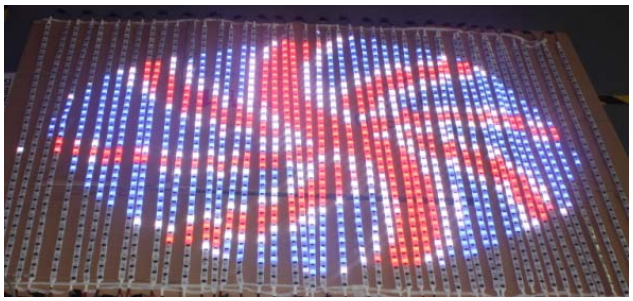
Addressable RGB Flex Led Strip

1 Meter with 32 pcs 5050 LEDs

Applications:

The excellent light and user-friendly designs make LED strip perfect for numerous applications, i.e cove lights, back lights, cabinet lights, edge light, architectural lights for corridor, canopy, archway, lights for path and contour marking; etc.

They can be a good choice for lights for hotels, restaurants, night clubs, coffee / wine bars, shopping malls, various shops, cinemas, beauty centers, office fronts, even lights for household kitchens or living rooms, etc.



Features and Benefits:

- Control IC included, supporting numerous color-change effects;
- "Plug-in" controller with remote control;
- Flexible PCB, 5V low voltage input;
- Every 2 Leds linear separable, custom-length available;
- Eco-green light, no UV, IR;
- Extremely long lifespan & lower power consumption;

Rayconn Electronics Co., Ltd.
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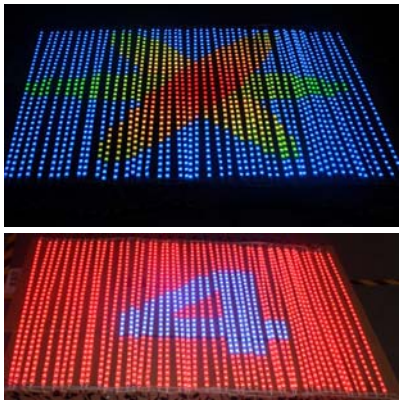
RAYCONN ELECTRONICS CO.,LTD GREEN and GROW

Addressable RGB Flex Led Strip

Technical Parameters:

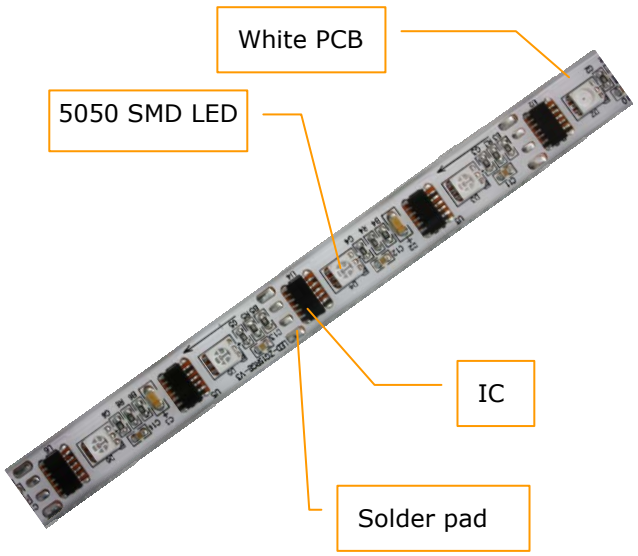
Light source	5050 Top SMD LEDs
Beam angle	120 deg.
Operating voltage	DC5V
Consumption watts per 32 LEDs/M	3～9(max)W
Pixel pitch（mm）	P31.25mm
Pixel resolution（Dot/㎡）	1024
Entire piece LED quantity	32 pcs
Printed circuit board thickness	0.25mm
Operation Temperature	-10℃-40℃
Storage Temperature	-20℃-80℃



Technical Parameter

Part Number	Emitting Color	LED Quantity	Voltage (V)	Power (W/1m)	Current (A/1m)	Lumen per 1m/32LED	IP Rate
FLB-W5050RGB-16-5-N14	**RGB**	**16/0.5M**	**5**	**9W**	**1.8A**	**R29/G81/B27 lm**	**IP20**
FLB-W5050RGB-16-5-A14	**RGB**	**16/0.5M**	**5**	**9W**	**1.8A**	**R29/G81/B27 lm**	**IP64**

Product Construction:



Optional Accessories:

P/N: REC-RF8000C

Compatible RGB controller

P/N：NES-350-5

Power supply

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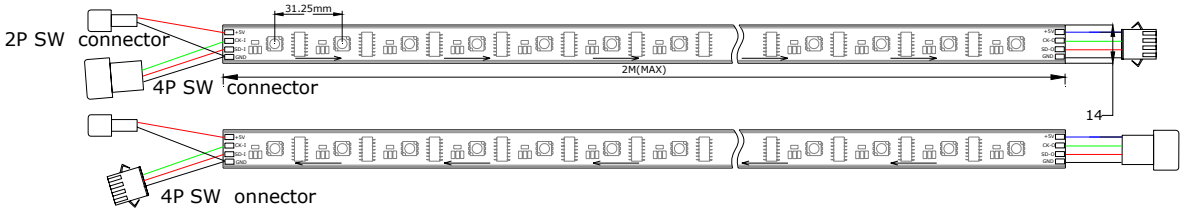
Outline Dimension: (Unit:mm)



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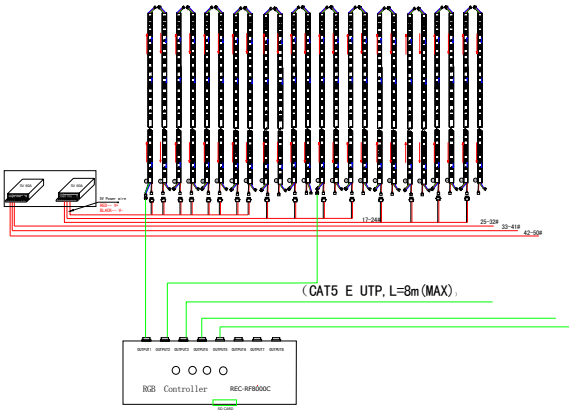
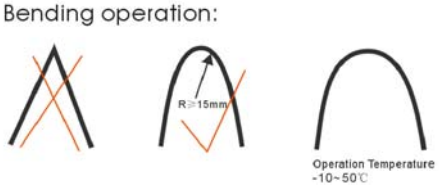


Transformer:

Part Number	Input Voltage	Output Voltage	Output Current	Rating Power	Size(mm)	Remark
REC-250-5-220	AC200-240V	DC5V	50A	250W	215×113×49	≤25m

Rayconn's Instruction for Flex Led Strip

1) Qualified technicians needed for installation for our Flex Led Strip. Specific electrical and safety standards needed to be followed.
2) All applicable electrical and safety standards should be considered when installing the LED strips or related parts like power supply, LED controller and etc.
3) Attention should be paid to standard ESD precautions when installing the strips. It is advised to use a wrist strap during soldering to remove any static electricity. Static electricity may damage the LEDs and other components on the strip.
4) The conducting paths on the flexible PC board should not be damaged during assembly. The strip and all components on it should not be mechanically stressed. The strip may be curved around small radii provided there are no LED components on the bend and the force does not crease the strip. The strip should be secured down immediately to avoid fatigue and breakage.



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5) Proper power supply should be needed to feed the Led strip.
6) Electrical polarity are printed on the strip and should be observed. Wrong polarity may destroy the strip.
7) The LED strip can be cut to fit into installations if necessary. Cutting marks are printed on the strip and must be adhered to. The smallest workable segment of the single color strip is 100mm long of 3 pcs 5060 SMD LEDs.
8) Solder connection should only be performed on designated solder pads on the strip. During soldering, do not exceed the maximum soldering temperature of 260 Celsius degrees and the maximum soldering time of 10 seconds.
9) When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strips and the mounting surface.
10) Flex Led strip should be installed in proper environment. It's the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

Warranty Terms:

1) Our Warranty to You

Rayconn Electronics co., Ltd ("Rayconn") warrants its "Addressable RGB Flex Led Strip" (other than "LED product")

- To be free from defects in material and workmanship under normal use and service;
- Warranty period: ***36 months***, effective from the date of ***shipment***;
- Warranty only for ***original purchaser*** for "Flex Led Strip";

2) How to Get Our Warranty Service

To get Warranty Service from Rayconn, you only need to:

- Provide us with purchase PI No, Part Nos for the defective "Led product";
- Provide us photos for the defective " Led product";
- When requested by Rayconn, return the defective "LED product", at Rayconn's cost;

3) Warranty Service

- Repair the defective "LED product" at Rayconn's cost, if repair is possible;
- Replace the defective "LED product" at Rayconn's cost with one of identical specification;

4) Exclusions from Our Warranty

- Damage to "LED product" because "Rayconn's Instruction for "Flex Led Strip" is not well observed;
- Any repair, replacement or alteration by a facility not approved in advance by Rayconn;

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