# SurMountor

# SUR-5050FRGB+IC60-24V

## FLEXIBLE STRIP introduction

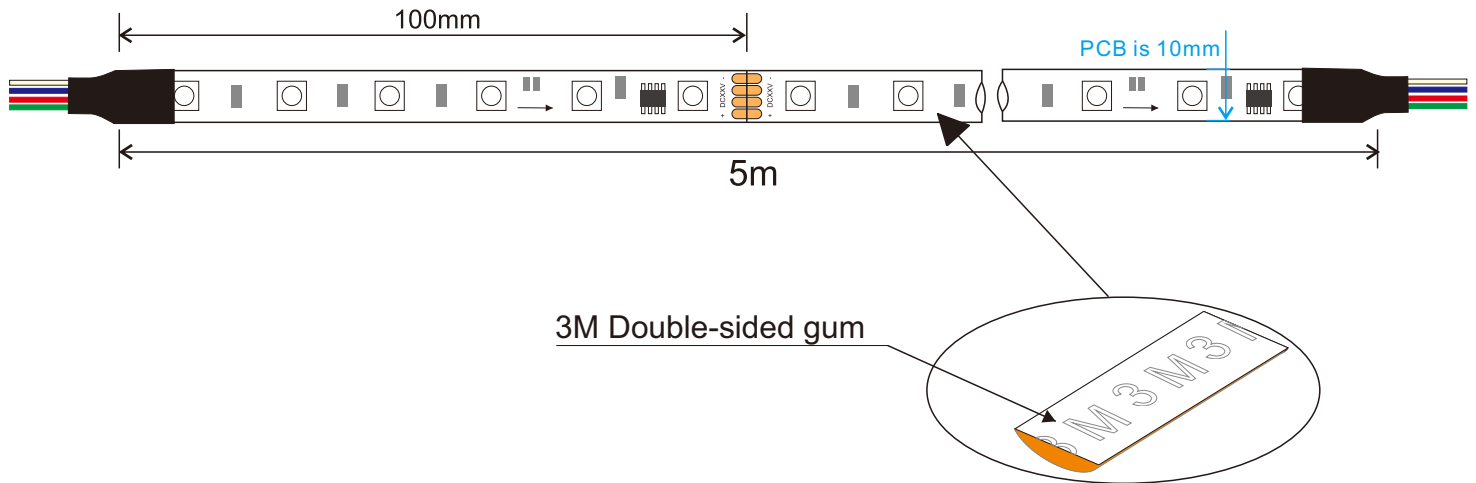**Lister:** Lxlan     **Assessor:**     **Approver:**

# Features:

Each 6 LEDs has a address IC and is programmable

SPI LED strip with controller..

Available in 24V DC maximum. **One power supply can drive 10 meters long** .

Very bright & low power consumption.

Operating temperature: -20~50°C.

Store Temperature:-30~80°C

View Angle: 120 degrees.

Long life span LED lights, more than 50,000 hours+.

Adhesive back, peel & stick！

IP20  Non-Waterproof.

# Applications:

Ideal for sign letters and channel letters, concealed lights, room lighting, equipment.

# Assembly drawing

## Top View

100mm

PCB is 10mm

5m

3M Double-sided gum

## Section

2.5 mm

Surmountor Lighting CO Limited

Tel.: +86-755-27926119                          Email:sales@surmoutor.com

Address: 2nd Floor, Building D, NO.5, Fu Rui Road, Qiao Tou, Fuyong town, 518103 ,Bao An district, Shenzhen, GuangDong Province, China

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# Parameter:

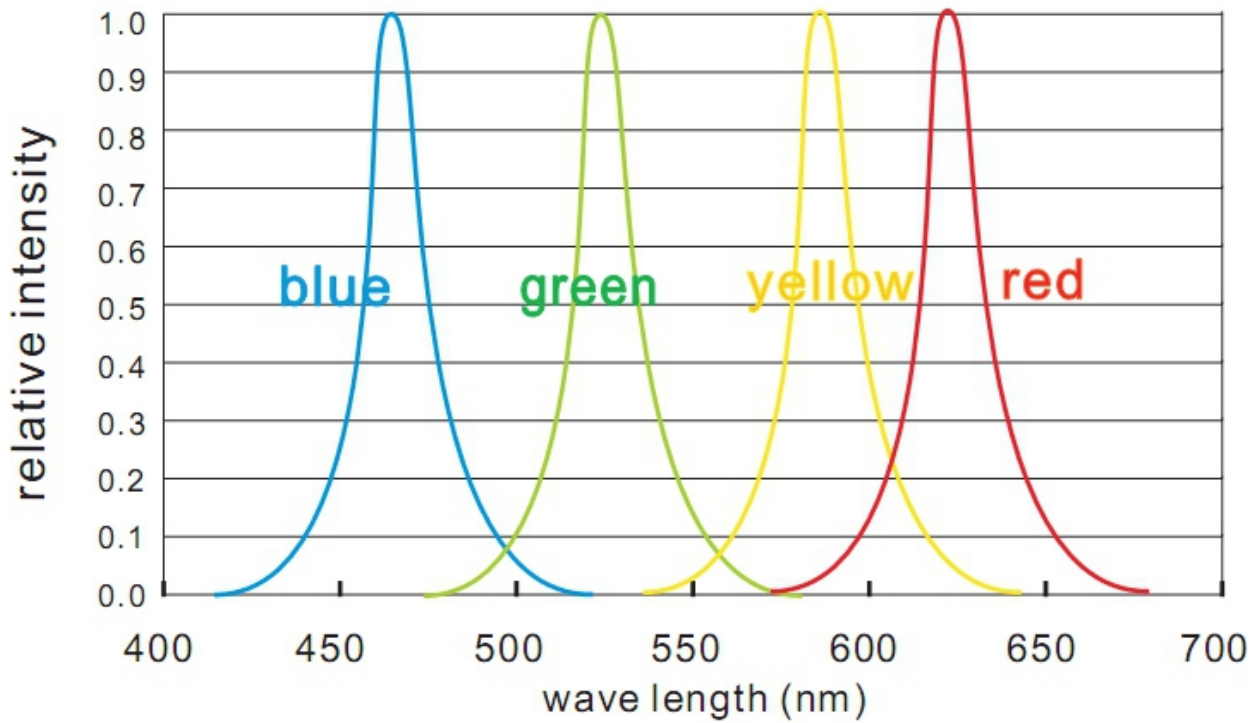| SMD 5050, 60 LED/meter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Part Number | Size | Color | Cut every (LEDS) | Inlay IC | Lumen/M | Voltage | Power/m | Packing/m |
| SUR-5050FRGB+IC60-24V | L5000*W10*H3 | Red ■ | 6 | TM1914A | 95 | 24V | 13W | 5 Meters/reel |
| | | Green ■ | | | 245 | | | |
| | | Blue ■ | | | 65 | | | |

## Radiation diagram
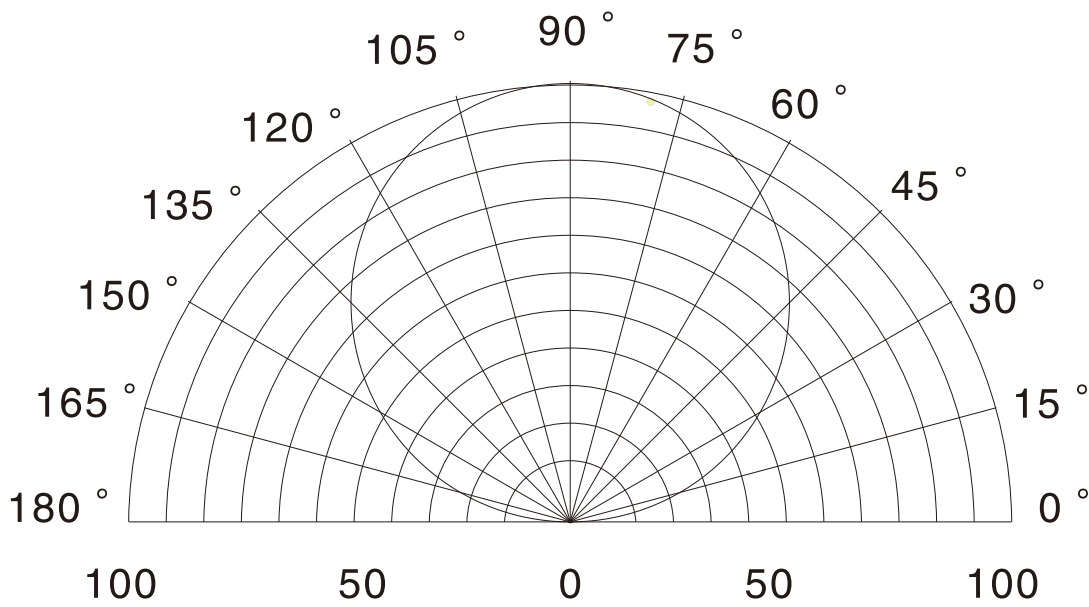


Relative luminous intensity Iv %

## LED Light distribution

for: red, blue, green, yellow



for: white LED

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*03*
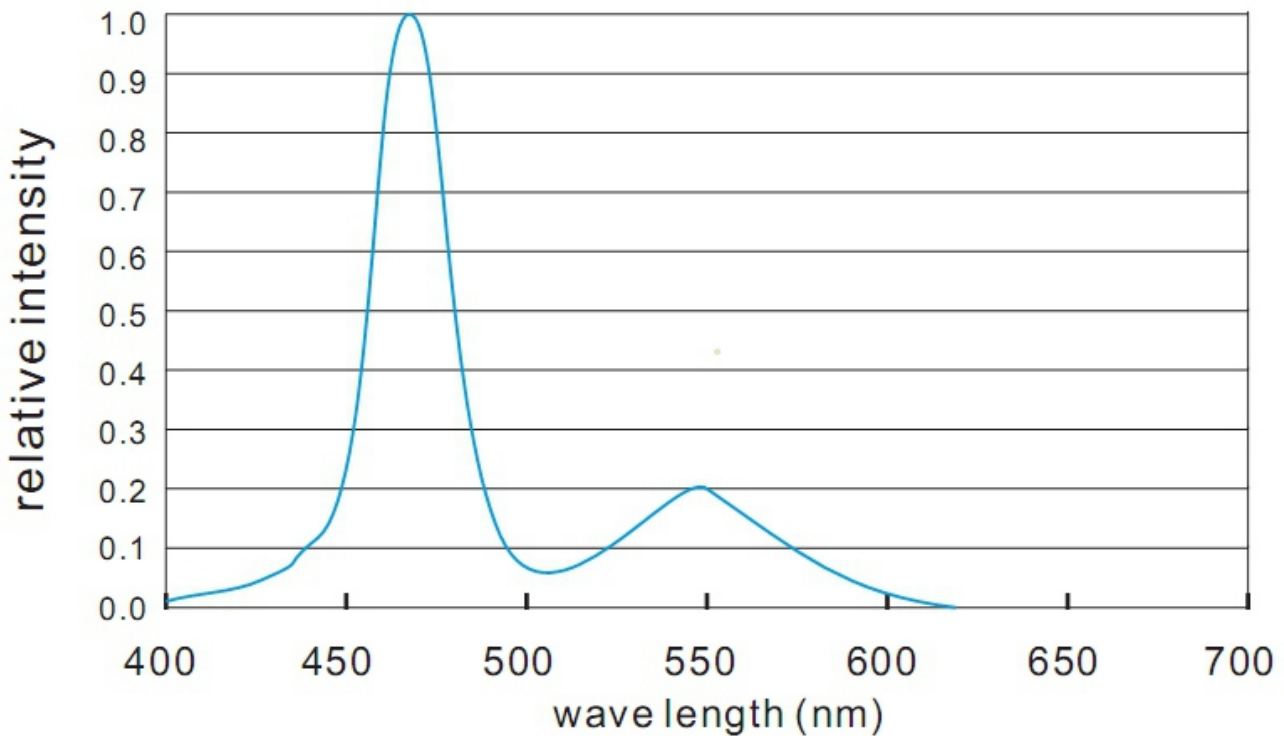
# How to connect flexible strip

Below shows you how to connect the flexible strip to power supplies.

AC 100~240V IN                                    DC24V OUT +

POWER SUPPLY

−

LED strip

CLK DAT GND   CLK DAT GND   CLK DAT GND   CLK DAT GND   CLK DAT GND   CLK DAT GND   CLK DAT GND   CLK DAT GND
OUT8   OUT7   OUT6   OUT5   OUT4   OUT3   OUT2   OUT1

T-8000A-TTL

保存SET    模式MODE    速度SPEED+    速度SPEED−

电源灯（Power）   状态灯（Status）   故障灯（Sync）

DC5V                SD 卡（SD CARD）        IN A IN B NC    OUT A OUT B NC

LED CONTROLLER

AC 100~240V
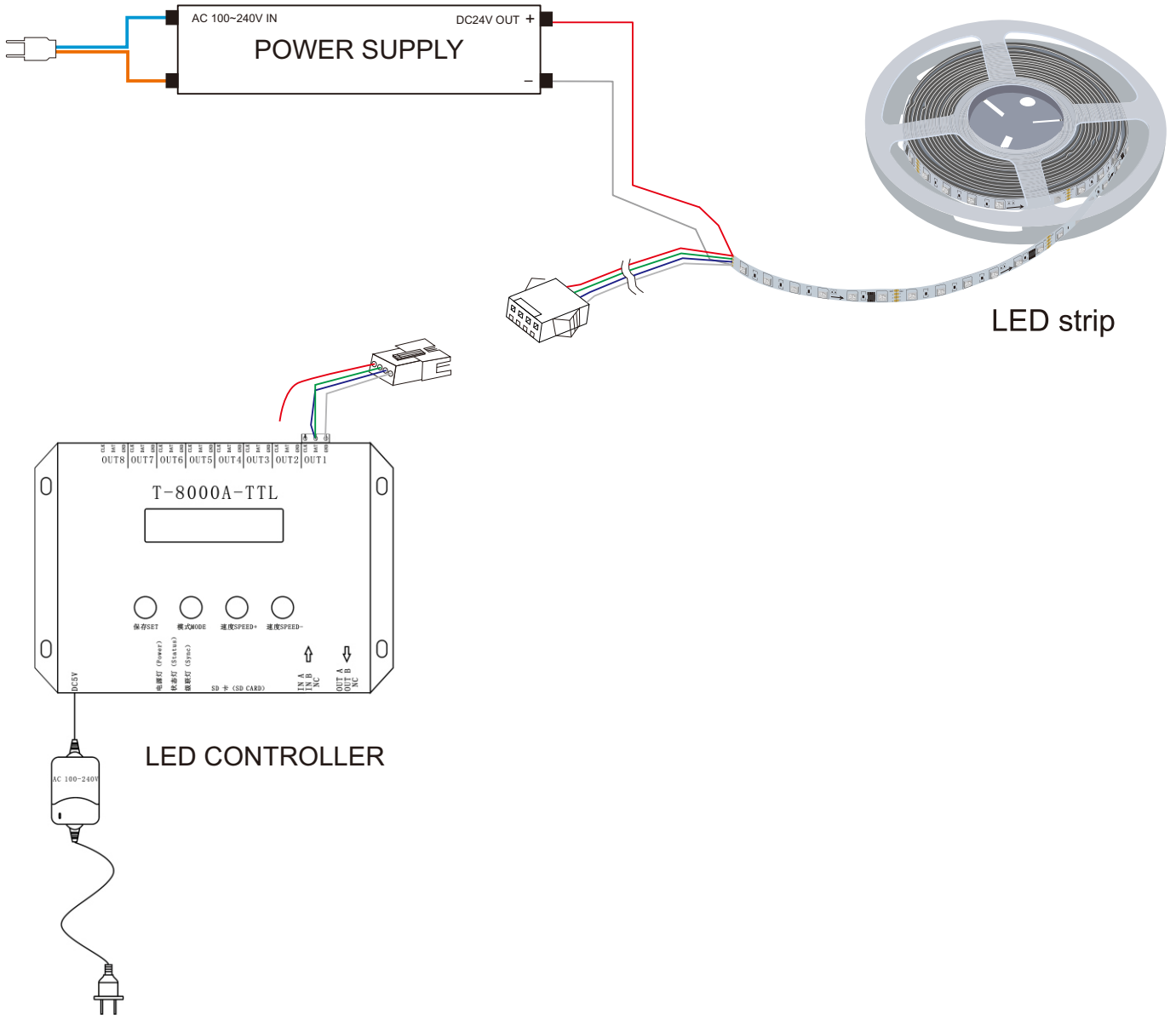
# Package:



1 reel/bag



25 bags/Iner Box

Inner box
size:25x26x31cm
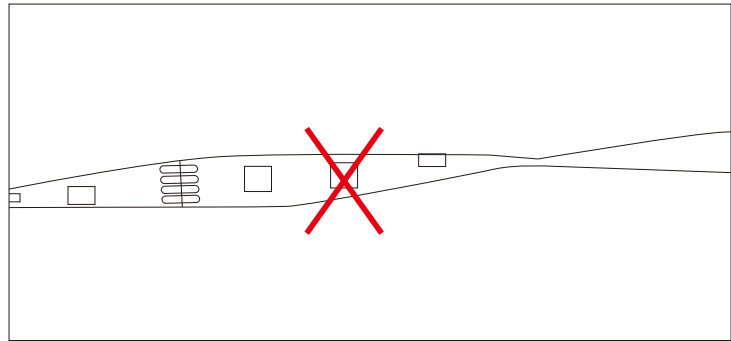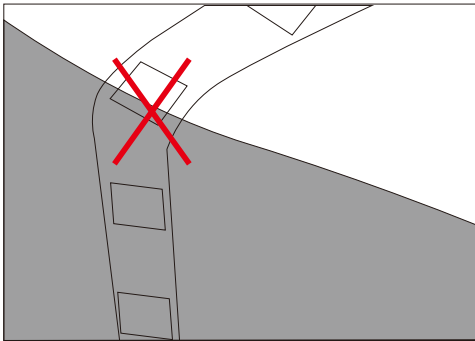


50 Bags/Outer Box

Outer box
size:34x52x27cm



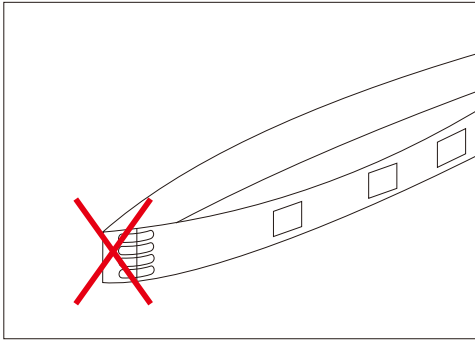Package: 5 meter strip in one reel, one reel in one anti-static bag, 25 bags put into one carton.

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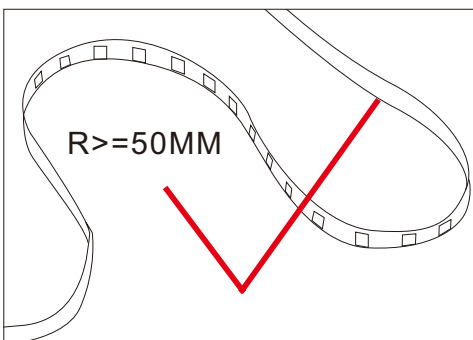
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⚠️ **Cautions**:

When install the led strip, please note the installation technique. The led strip can be bent, but not distorted, as shown below:

## Distortion(Wrong)

R>=50MM

## Bend (Right)