

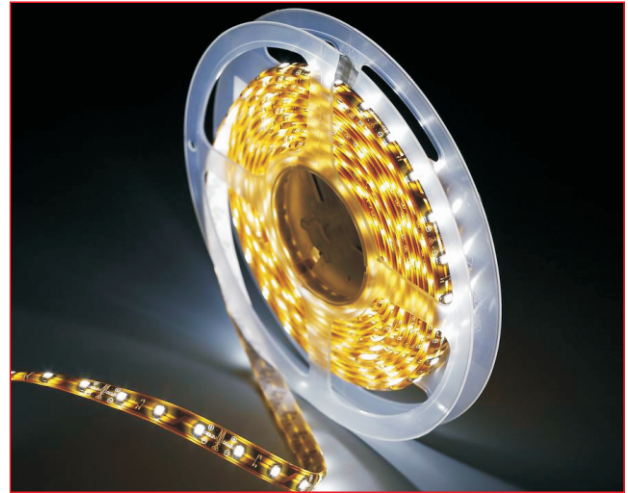
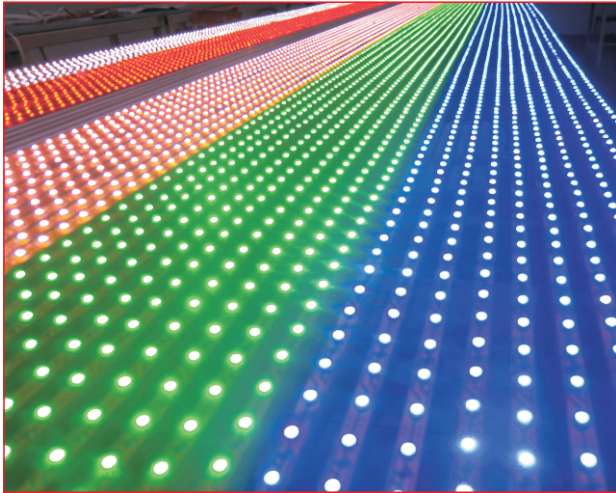
# Production Specification

5050 Flexible LED strips

For FN60CX

Made by	Checked by	Version





## ***I: Features***

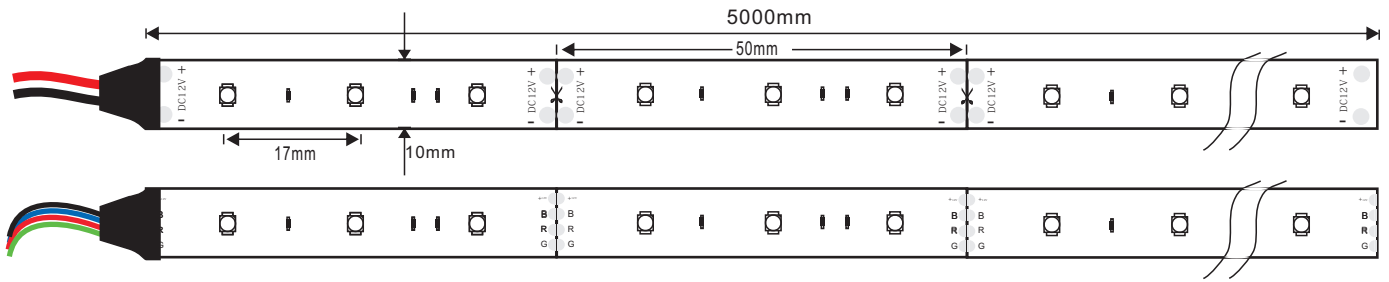
- 1) Continuous length flexible LED light strips
- 2) 5 meters/roll, cuttable every 5cm
- 3) Runs on 12/24-volt systems
- 4) Super bright SMD top LED
- 5) Solid-state, high shock or vibration resistant
- 6) Major reduction in power costs
- 7) 120-degree wide angle illumination
- 8) No RF interference
- 9) Maintenance free, with 3m adhesive tape on the back for easy installation
- 10) Long life: white LED: 50, 000+ hours
- 11) Low power consumption, high intensity

## ***II: Applications***

- 1) Architectural decorative lighting
- 2) Archway, canopy and bridge edge lighting
- 3) Amusement park, theater and aircraft cabin mood lighting
- 4) Emergency hallway lighting
- 5) Auditorium walkway lighting
- 6) Stairway accent lighting
- 7) Concealed lighting
- 8) Backlighting for signage letters
- 9) Channel letter lighting
- 10) Emergency exit path lighting

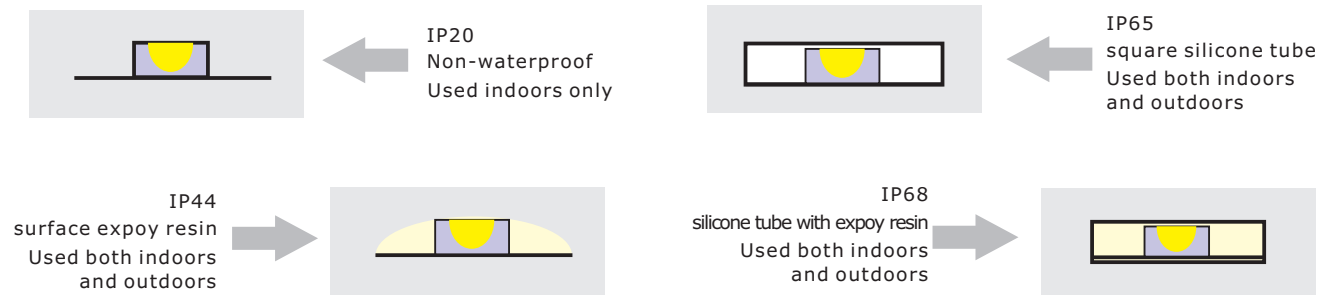


### III: Assembly drawing



- High bright SMD5050 adopted, 60 LED/M;
- 3 LEDs consist of a circuit, which is 5 centimeters long;
- The strips can be cut every 5 centimeters;
- 10-mm-wide double-layered PCB is adopted, which is much better for heat dissipation;
- 12V/24V white, brown and black PCB are available;
- IP20,IP44,IP65 and IP68 available.

### IV: IP Grade illustration



### V: Optoelectronics parameter

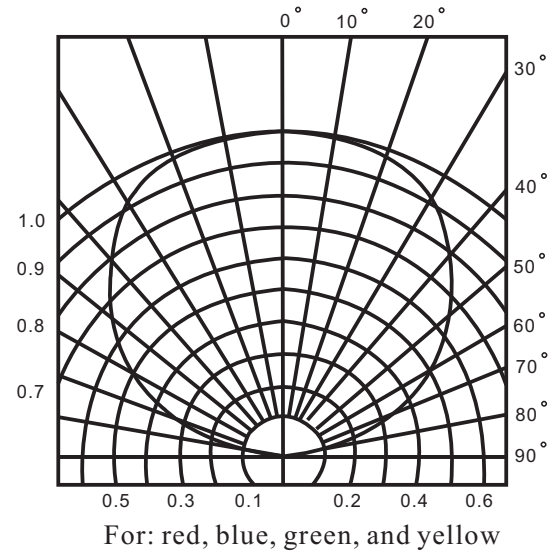
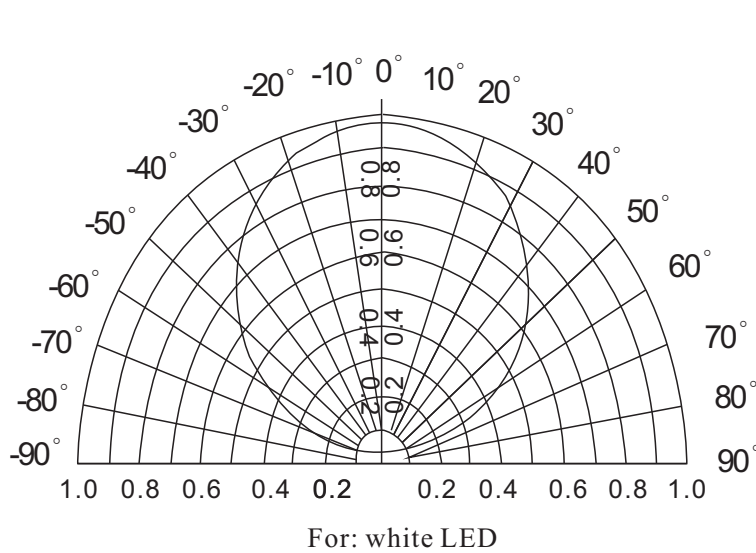
Part No.	Color	Color Temp./ Wave length	Lumens/mcd	Beam Angle	LED Quantity (pcs/m)	Rated Power
FN60CR	RED ●	625+2.5nm	1500-2000mcd	115°±5°	60	14.4W
FN60CG	GREEN ●	525+2.5nm	3000-4000mcd			
FN60CB	Blue ●	470+2.5nm	1200-1500mcd			
FN60CY	Yellow ●	590+2.5nm	1500-2000mcd			
FN60CPW	PW ●	5700-6300k	14-16lumen			
FN60CWW	WW ●	2700-3300k	14-16lumen			
FN60CCW	CW ○	8000-9000k	14-16lumen			



## VI: Other parameters

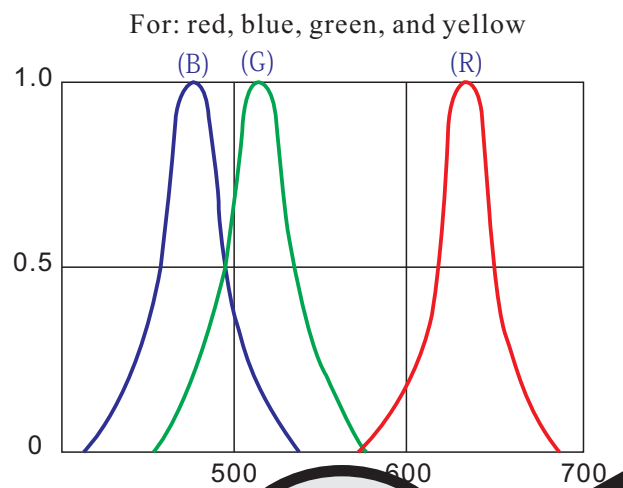
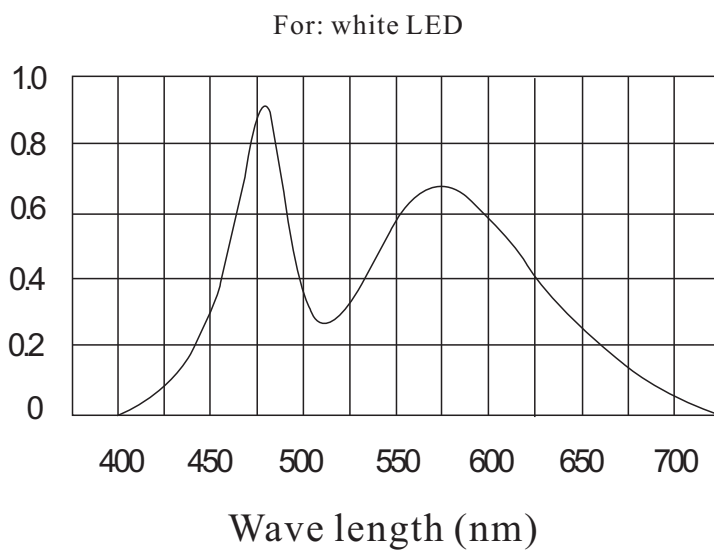
Item Model	Working Voltage	Standard Length	Operating Temp.	Storage Temp.	Warranty	Certification
All	DC12/24V	5M	-40~+50°C	-50~+60°C	1 year	CE,FCC,PSE,RoHS

### ● Relative intensity



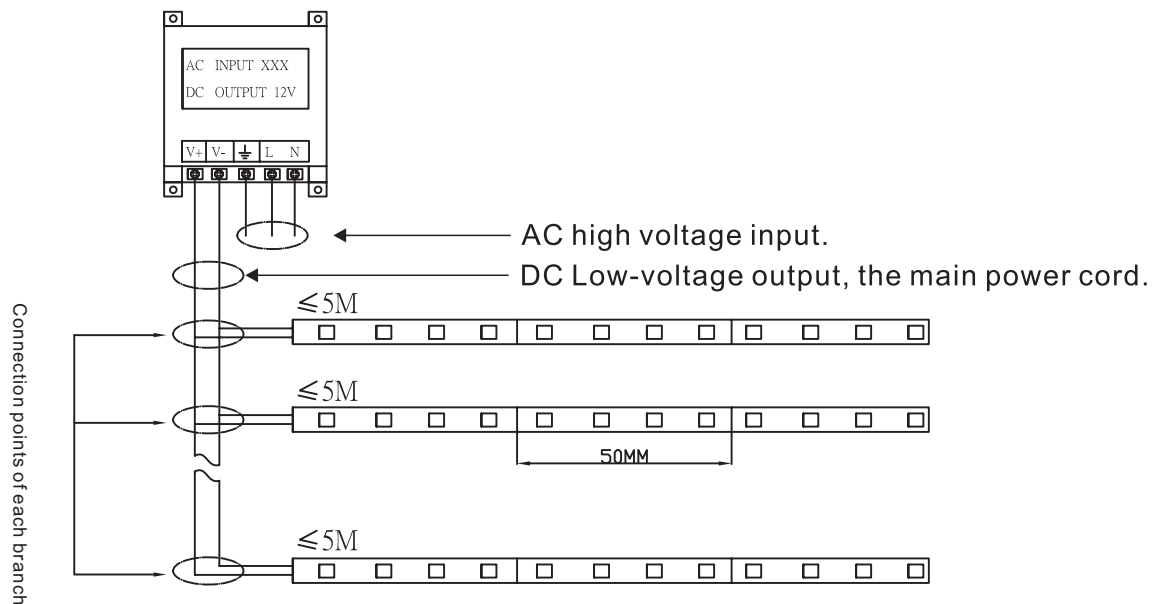
Relative luminous intensity Iv %

### ● Radiation diagram



## VII: Connection diagram

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



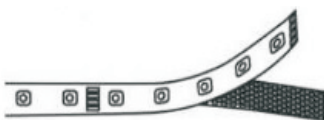
Connection diagram of the product installation

## ● WARNINGS

1. Don't install while the electricity cables are live.
2. Don't touch or press the LED surface during transportation and installation.
3. Don't open the inner packaging before deciding whether or not you will use the product.
4. Don't lit the strips before taking them out of the reel.
5. Don't install the product under the sun or where the product can be wetted by rain or other water.

## VIII: Connection diagram

1. Clean the installation surface before installation;
2. Installation guide for product with 3M double-side adhesive tape.
  - 1) Remove the 3M tape's release paper pasted on the back side of the flexible LED strip
  - 2) Stick the product to the installation surface



Remove the release paper



Stick to the installation surface

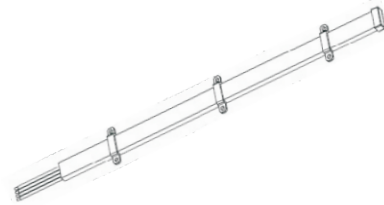


3. Installation guide for product with need to be installed with the installation clips(equipped with the products).

- 1)Take the flexible LED strips and the install clips out.
- 2)Stick the flexible strip to the install surface and set the clips. The user can use M3\*6 to fix the product.



installation clips



Finished installation

## ***IX: Connection diagram***



5m/reel



1 reel/bag



- 1.One reel in an anti-static bag,
- 2.30 bags to a carton, total 150 meters,
- 3.Carton Dimension: 45\*25\*25.6cm,
- 4.Net Weight:

Non-waterproof: (5. 25±10%) kg ;

IP65: (9. 87±10%) kg ;

IP68: (14. 15±10%) kg

