



## PRODUCTS SPECIFICATION

### 5050 SMD LED FLEX STRIP

(Smart series)

For LD32 5050

Made by	Checked by	Version
Ms. Katie	Ms. Jane	2009.2.4

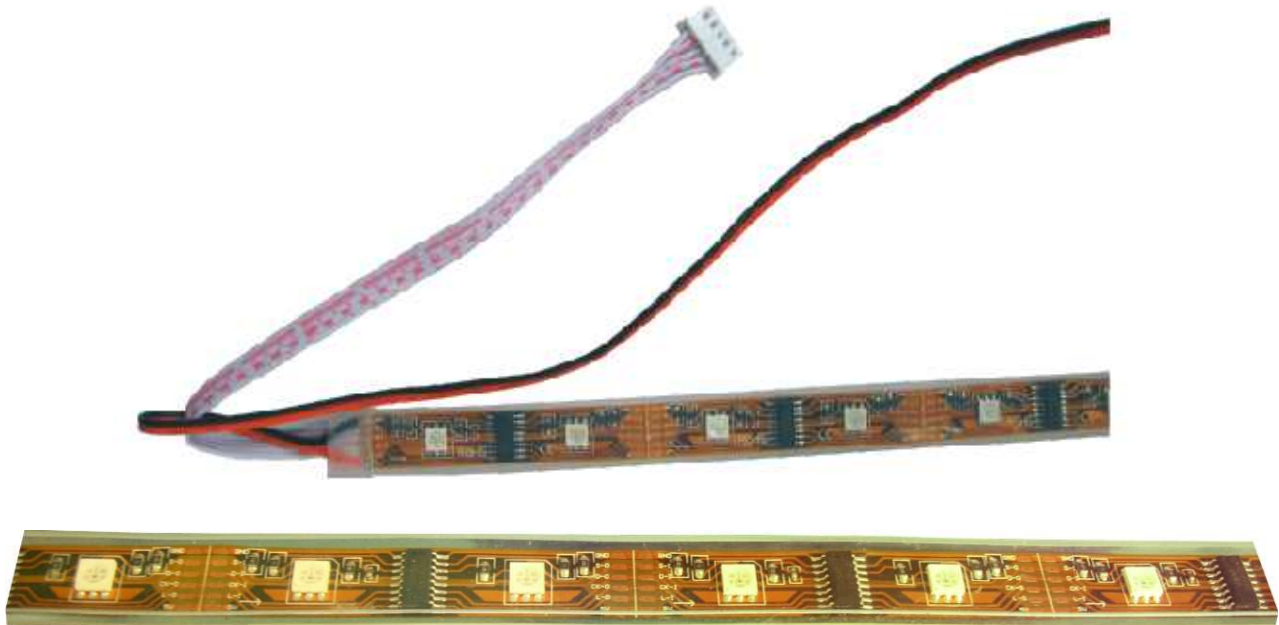
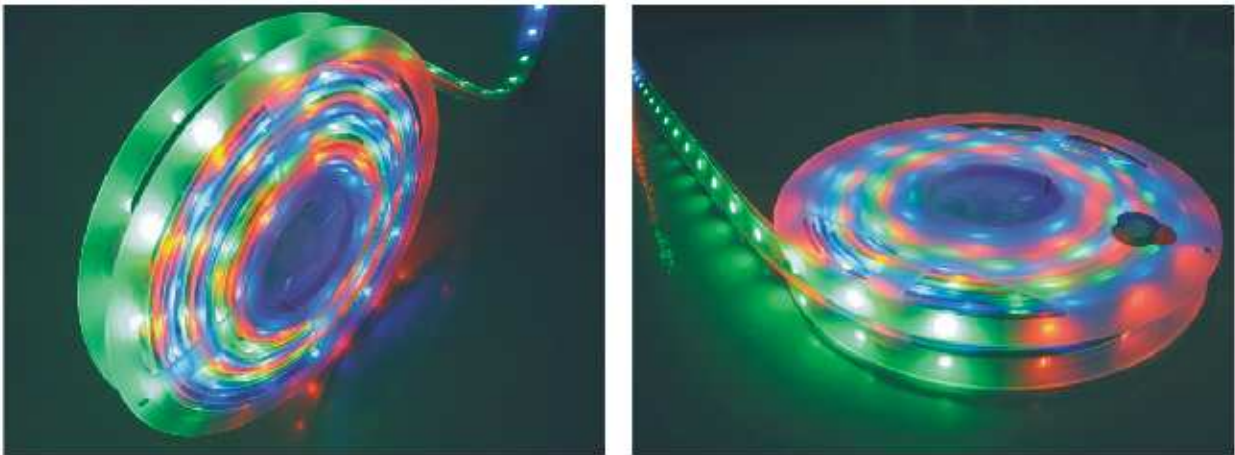


# 5050 Smart strip introduction

Features:

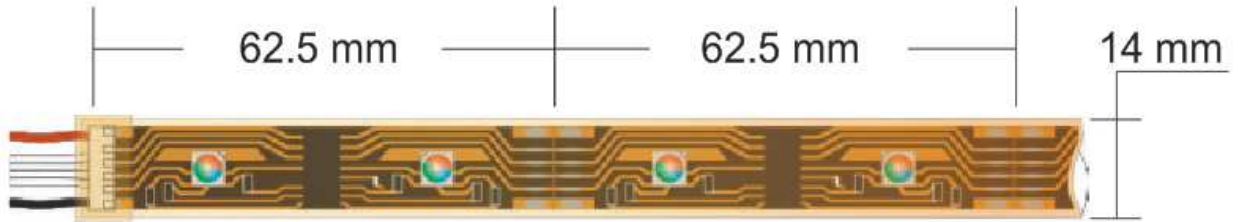
Working voltage	DC 5V
LED SMD type	SMD LED 5050 3 ship
Power consumption	Low. 9.6 W /meter
Working voltage	-20~50 ℃
Long life	50,000+
Size / spacing	5000X14X4 mm
Can use dimmers	Special controller, DC12V.
Water proof	IP67

Photos:



# Assembly drawing

## Top View



## Section



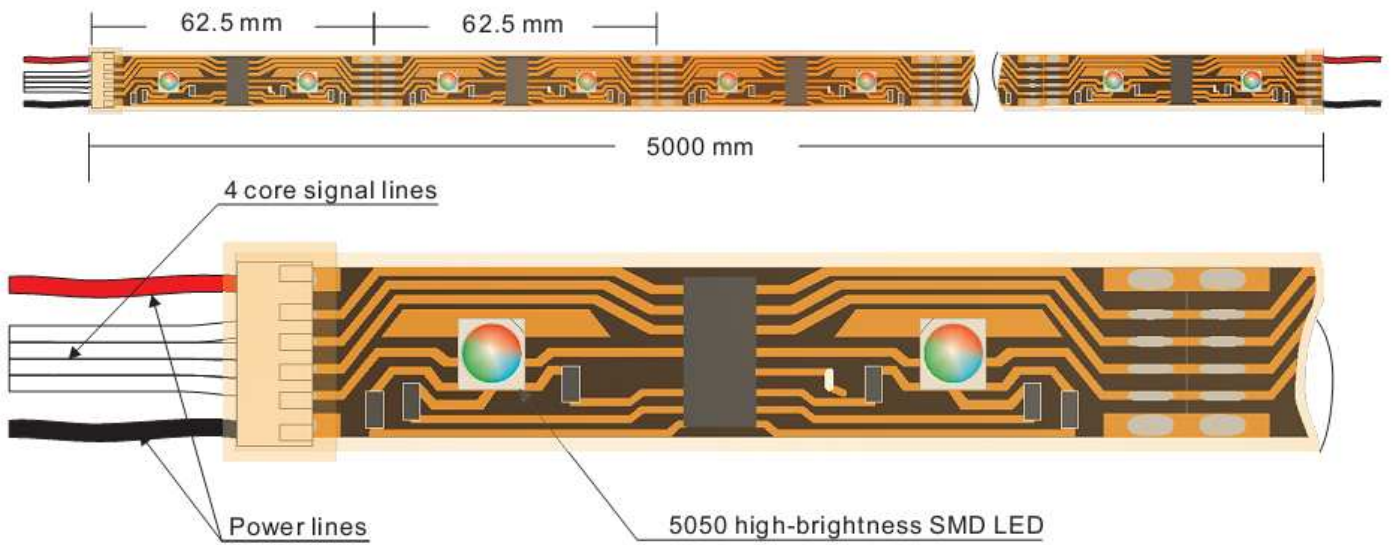
View Angle: 120degrees

Operation Temperature:-20°C~ 50°C

Store Temperature:-30°C~ 80°C

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

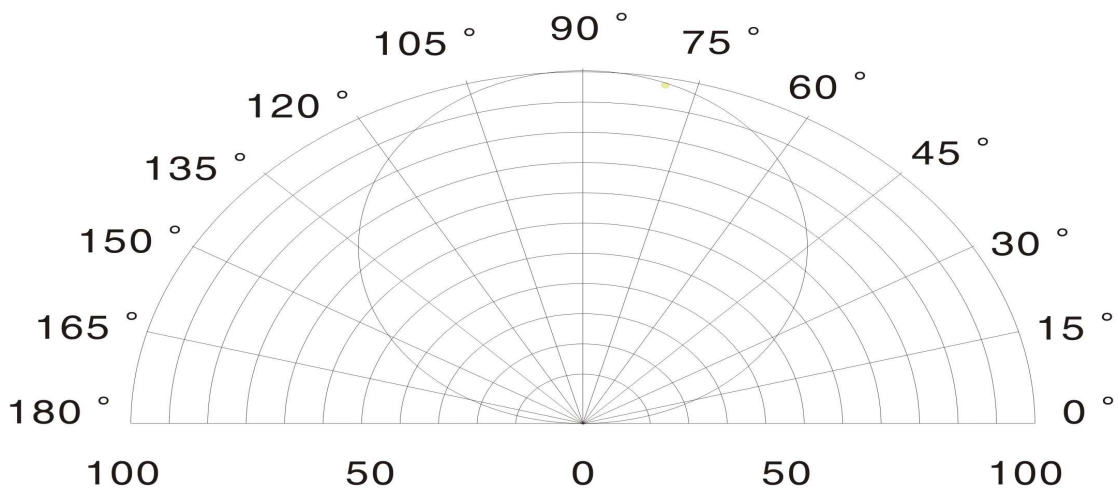
# 5050 Smart series: 32LED/meters



This LED smart strip is made of 5050(3in1) LED.

Part Number	Emitting Color	LED qty per meter	lumens per meter (lumens)	size (mm)	Voltage (V DC)	Current (Amps/ meter)	Max. power consumption (watts/ meter)	viewing angle (degree)	IP rated
LD32-R5050-RGB	RGB	32	R: 64 G: 128 B: 80	1000x12x2	5	0.6	8	120	IP20
LD32-RW5050-RGB	RGB	32		1000x14x4	5	0.6	8	120	IP67

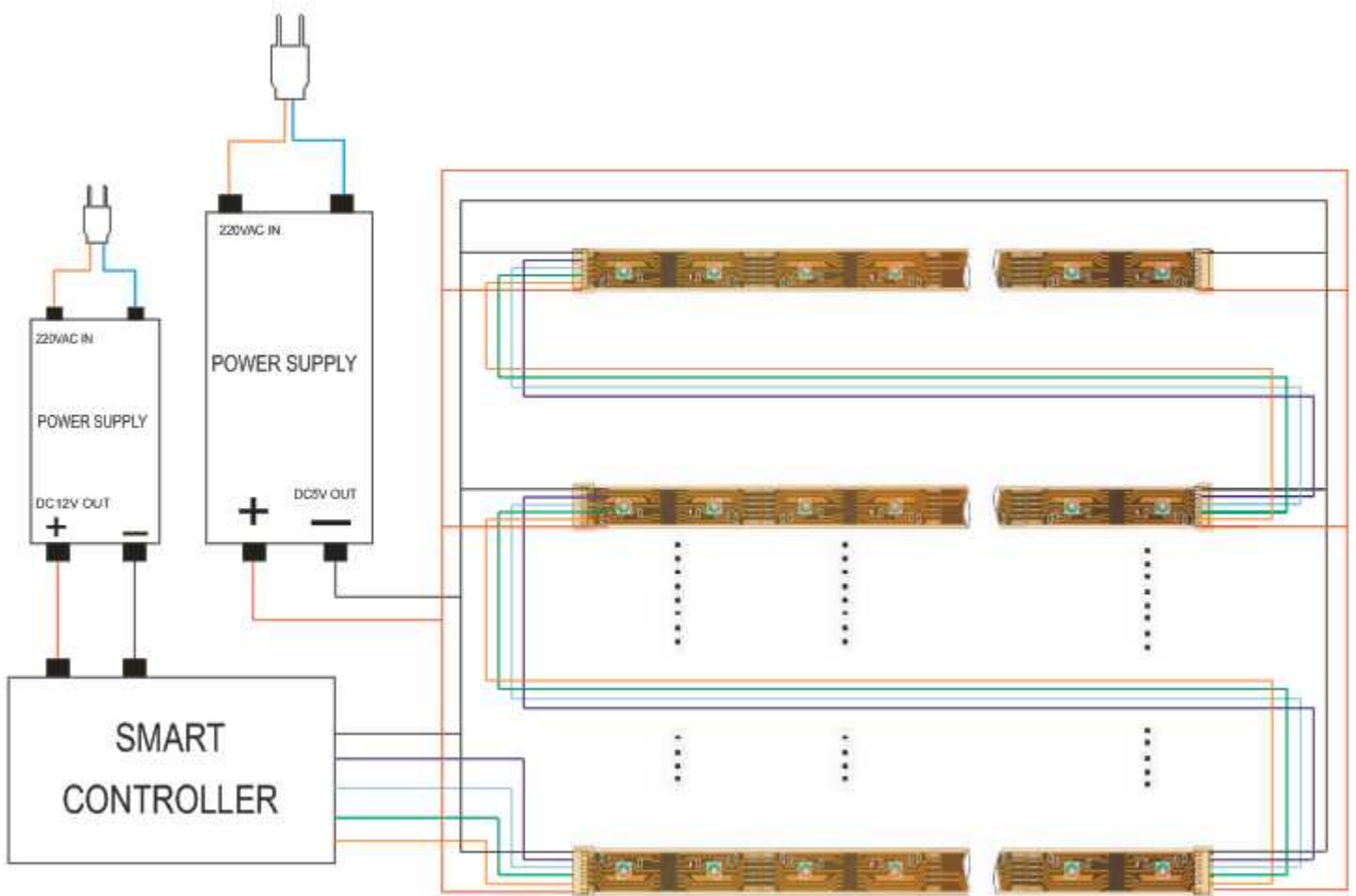
Radiation diagram



Relative luminous intensity Iv %  
**LED Light distribution**

## How to connect flexible strip

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



Marks:

1. Maximum 256 dots(one RGB one dot) in series connection. More than 256 dots, it will repeat. The 257th dot has the same function with the first dot.
2. It's better to supply the power through both ends of each link, this is important for the light to emit evenly.
3. the controller's power supply is DC 12volt, strip's power supply is DC 5volt.
4. More than 256 dots, we recommend parallel connection.
5. Be sure the positive and negative are not reversed.