Specification

LED Strip Lights

Series   5050 Strip Lights

Version   1.3

Date   2011/12/28

Introduction

5050 LED Strip Lights

The LED Soft Strip lights are designed by using the surface mounted LEDs on a flexible PCB board with a viewing angle greater than 120 degree. The LED lights are uniformly distributed with three LEDs in each perforated portion, and each group can be cut for length requirement.

The LED Soft Strip lights are available in all kinds of colors for different decoration usage.
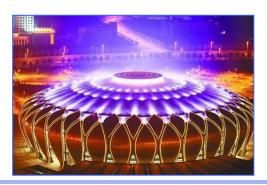
Its voltage is DC12V for safety usage.

CE   RoHS

Features:
- ☀ Adopt FPC as substrate
- ☀ Water transparent PVC as shell- easy to bend and install.
- ☀ High brightness SMD LED as light source with a 120 degree viewing angle
- ☀ All kinds of color available, Pure white, cool white, red, green, blue, yellow, RGB color, etc.
- ☀ Any length of 5 meters or below.
- ☀ Input Power: DC12V.
- ☀ Can be cut or connect to the longest length of 10 meters
- ☀ Unique waterproof connector for outdoor usage.
- ☀ Environment protection, Saves 80% energy more than the traditional light, life span of 50000 hours.
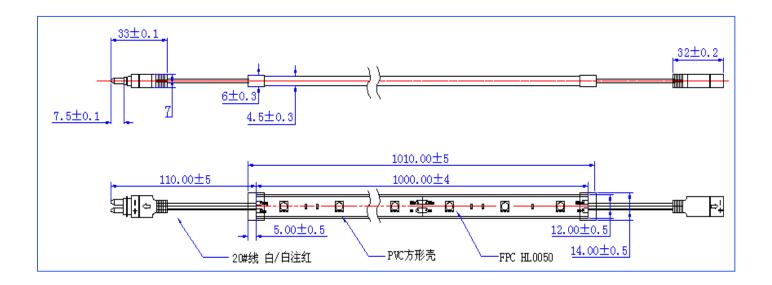
Application:
- ☀ Architecture、Corridor、Aisle
- ☀ Sign, Backlighting
- ☀ Hotel、KTV、Decoration
- ☀ Exhibition decoration, Household

Dimension（1m）

Parameters

Part number	Color	Angle	CCT(K)/(nm)	LED Brightness(mcd)	
				Min	Average
STR1230165CG01	Cold White	120°	5450～6600K	2200	5200
STR1230165NF01	Natural white	120°	3920～4600K	2200	5200
STR1230165WF01	Warm white	120°	2760～3160K	2200	4800
STR1230165RA01	Red	120°	620～630nm	210	450
STR1230165GE01	Green	120°	520～535nm	1700	3000
STR1230165BA01	Blue	120°	460～470nm	270	560
STR1230165YA01	Yellow	120°	585～597nm	460	850
STR1230165FF11	RGB	120°	R.620～630nm G.520～535nm B.460～470nm	R:700 G:1500 B:210	

Main Items

Voltage	DC 12V
Current	540mA/m
Power	6.5W/m
LED Type	SMD5050
LED Qty	30PCS/m
Life	50,000hr
Temperature	-20～55℃
Humidity	≤90%
Material	PVC/FPC
Dimension	1010*14*6mm（1m，without connector）
Weight	56g（1m）

Package

1. Inside Package（5pcs fitter for each 1 meter）：

Fitter
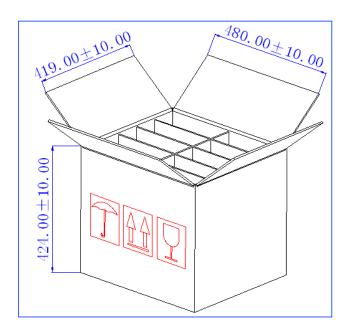

Size：150*110mm
Net Weight：56g
Gross Weight：61g

Size：240*216mm
Net Weight：168g
Gross Weight：186g

Shielding Bag：1PCS/bag（1m）

Foiling Bag：1PCS/bag（3m）

2. Outer Box：

Size：480*419*424mm
Qty：100 PCS
Gross Weight： 8.1Kg (1m)
20.6Kg(3m)

Cautions:

1. Please check the correct input and output of the switching power before the installation.

2. Under the cold temperature, the LED strip can be powered up for a few minutes first as this can soften the strip. The user will then be able to bend the strip, then power it off.

3. The strip should be bended in less than a 90 degree angle; otherwise the LED may not be lit due to the broken LED solder pad.

4. Please do not power up during the installation. The LED strip should be lit up until the installation is completely finished.

5. Please do not hit or force the strip when installing or using the strip.

6. Please do not install the strip inside the water directly or any situation that can easily cause fire or explosion.

7. Do not tie the strip with metal material when installing. Please avoid any external metal material inside the strip which may cause short circuit of the strip.

8. Non-waterproof strip or PVC tube strip are more proper to use for indoor. Silicone cover can be used for indoor or outdoor.

9. When the silicone cover strips are used for outdoor, please make sure the power supply is installed in an indoor or dry environment

Note: Specifications are subject to change without notice. Any question, please contact us directly

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Revision History:

Description:	Revision #	Revision Date
New Release of STR1230165XXX1_Series	V1.1	06/24/2011
Amend information/data	V1.2	09/26/2011
Update datasheet	V1.3	12/28/2011

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