LED Linear Strip Light Specification

Product: DC12V 14.4W 5050SMD flexible led strip light

Model No.: **GNH5050-60LED-12V**

RoHS Compliant CE

Power: 14.4W

Dimension: L1000mmXW10MM

Date: May 12th, 2016

I. Product Introduction

Description:

Flexible led strip are ideal when a greater luminosity is required then that of single

Strip. With 60 leds of long life 5050 ultra bright LEDS, mounted on a 10mm wide flexible

PCB(printed circuit board),accent lighting is ideal for easy application with maximum Single

Color Luminosity. 60 5050 LEDS per meter achieve a high lumen output of 1000 lumens

per meter. Standard 3M adhesive backing or mounting clips making installation of in a variety

of complex environments simple. Supplied in 5metres per rolls, strips can be cut at 50mm intervals,

tailoring the length to suit your application.

Features:

Bright high- lumen LED chip

Low light decay , Long working lifespan

Multiple single colors

RGB color changing optional

DMX512 signal control compatible (Optional)

Dimming control capable

RF/IR remote control

Cut table every 3 LEDs

Low input voltage. Touchable safe

AC100V-AC240V input voltage optional, plug-in easy installation without transformer

Flexible and easy installation:

   -can be bent

   -3M adhesive tape on backside or

   -fixation clamps
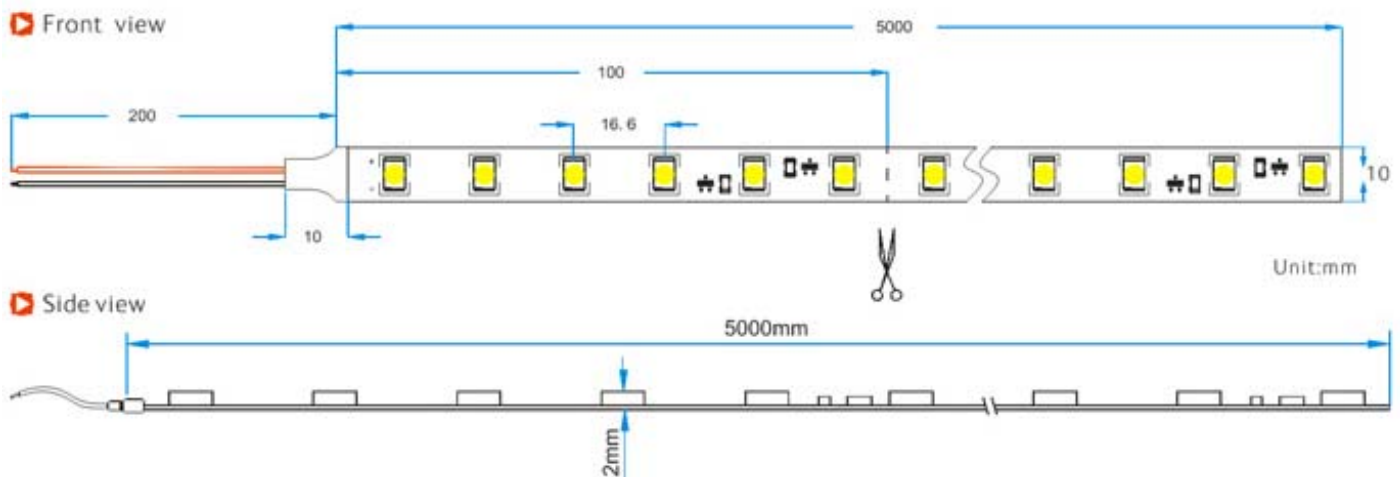
Maximum IP68 water-proof

II. Specifications, parameters

1. **Technical parameters (***** Note: Different CCT LEDS has different optical properties. The deviation is less than 5%***)
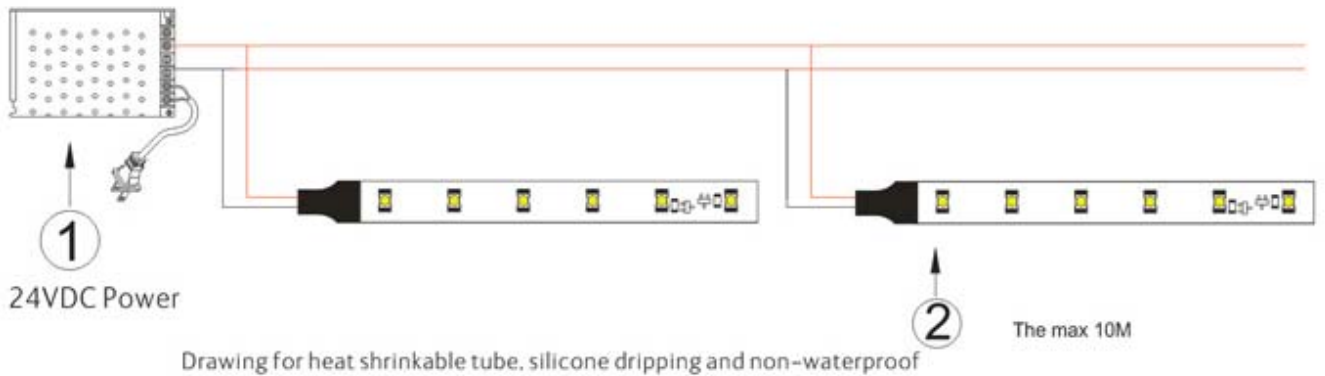
Part Number	GNH5050-60LED-12V
CCT	3000K-6000K
Lumen	1000LM
Connector Type	2 Pin connector
Dimmable	0-10V support
LED Lifetime	30000Hours
Beam Angle	120 degree
Operating Voltage	12VDC
CRI	80
IP Rating	IP20-IP68
LED Type	5050SMD
Strip Width	10MM
Type	Flexible LED Strip Light
Wattage per foot	14.4W
Warranty	2 Years

2. **Dimensional Drawing(**Unit: mm):

3. Connection Drawing(Unit:mm)

① 24VDC Power

② The max 10M

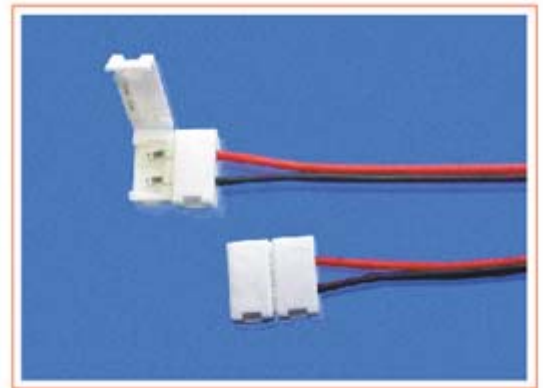Drawing for heat shrinkable tube, silicone dripping and non-waterproof

The Power supply can be in 12V or 24V

4. Accessories continued

butting connector

wire、connector

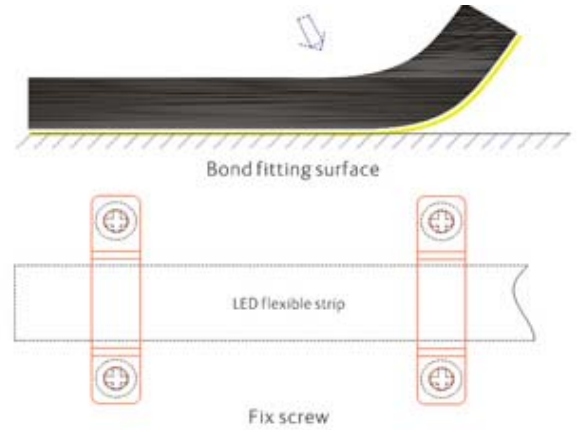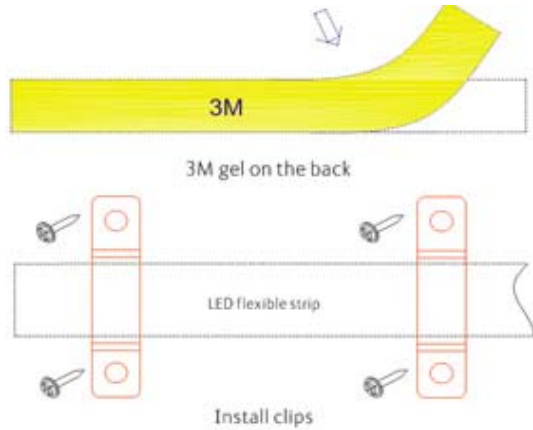**5. How to connect the led rigid light bar:**

To avoid voltage drop, it's suggested to run 5pcs max in series as a string.

The rule to choose transformer for strips is to give enough power. We can power several rolls of strip by

one big enough transformer or by several pieces of transformer that can supply enough power.
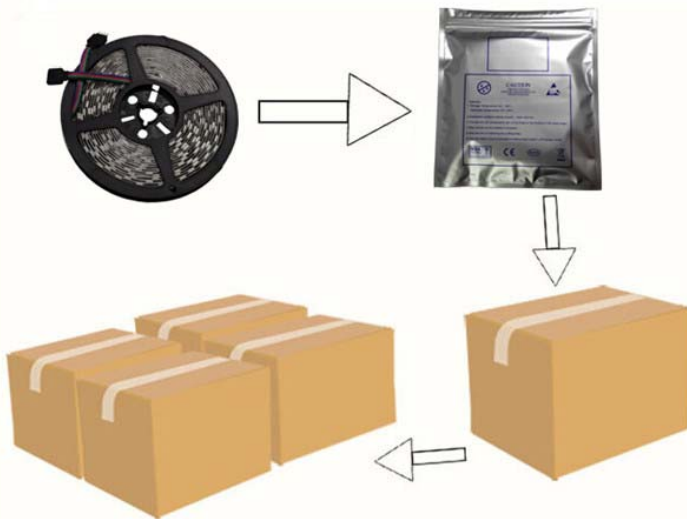
Less power will give the strip without enough power, the strip cannot give out 100%   of its brightness.

And when choosing the transformer, we should have in mind that Transformer must be de-rated 20% to

prevent overheating. And a big power transformer do no harm to the strip but good for safety.

Below please find the connection diagram for reference.

3M gel on the back

Install clips

Bond fitting surface

Fix screw

6. Packing details

Part No.	Pcs/Box	Outer Carton	Weight
GNH5050-60LED-12V	5Meters/Roll/Bag; 50Rolls/Ctns	450*520*260mm	0.15kgs/Roll

7. Application:

As usual they are widely used Hotels, Hospitals, Commercial Complexes, Conference / Meeting rooms/ Bathroom/ Kitchen, Factories & Offices, Residential / Institution Buildings, Schools and so on.

- Note:**:**
- 1、Please make LED drivers compatible with flexible LED strips light before use LED strips;
  2、To use LED strips 5M in serial, longer than 5M in parallel;
  3、Before use, first check the power supply used in compliance with of the power requirements;
  4、Each roll ask for independent power supply; not to use of multi-volume series use;