



Greenough

Greenough Enterprises Co., Ltd.

LED luminaries Manufacturer and Exporter

LED Linear Strip Light Specification

Product: DC12V 14.4W 5050SMD /DC12V 4.8W 2835SMD linear strip light

Model No.: GNH-Linear-002-R-14.4W/ GNH-Linear-002-R-4.8W

Power: 14.4W/4.8W

Dimension: 1000mm



Date: May 12th, 2016



I. Product Introduction

Description:

The LED Linear light Bar fixture is an extremely versatile solution for many indoor lighting needs such as cabinet lighting, under-cabinet lighting, cove lighting, shelf lighting, showcase lighting and display case and other retail and commercial lighting.

Features:

1. Plug and play installs;
2. 120 degree beam pattern
3. 0-10V dimmable available



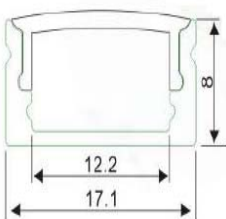
4. Aluminum Housing
5. Energy-saving: saving 80% than the ordinary lamp;
6. Green, Health and Environmentally friendly protection, more comfortable for our vision.
7. Waterproof Grade: IP40
8. No mercury, No radiation, No UV;
9. Easy to install and maintain,
10. Clean and pure light effect, energy saving

II. Specifications, parameters

1. **Technical parameters** (***) Note: Different CCT LEDS has different optical properties. The deviation is less than 5% (***)





Part Number	GNH-Linear-002-R-14.4W	GNH-Linear-002-R-4.8W
CCT	3000K	3000K
Lumen	1200-1320	380-450
Connector Type	Male/Female connector	Male/Female connector
Dimmable	0-10V Dimmable support	0-10V Dimmable support
LED Lifetime	30000Hours	30000Hours
Beam Angle	120 degree	120 degree
Operating Voltage	12VDC	12VDC
CRI	80	80
IP Rating	IP40	IP40
LED Type	5050SMD	2835SMD
Strip Width	12MM	12MM
Type	Aluminum Light Bars/RIGID Light Bars	Aluminum Light Bars/RIGID Light Bars
Wattage per foot	14.4W	4.8W
Warranty	2 Years	2 Years

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





3. Accessories continued

LED Mounting clips	LED Power supply
	
0-10V Dimmer	Male/Female connector
	

4. 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.

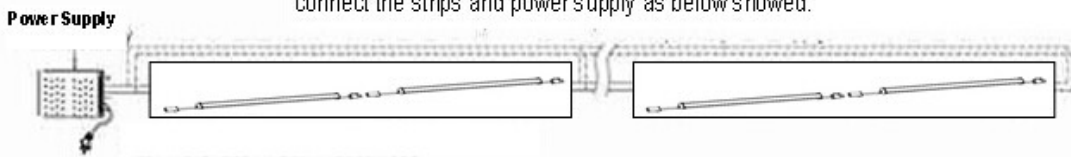
And when choosing the transformer, we should have in mind that Transformer must be de-rated 20% to prevent overheating. And a big power transformer do no harm to the strip but good for safety.

Below please find the connection diagram for reference.

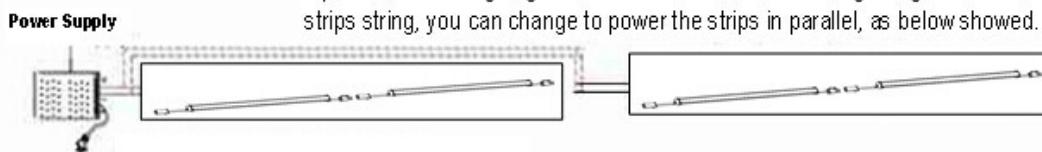
Use one power supply to power several pieces as a string

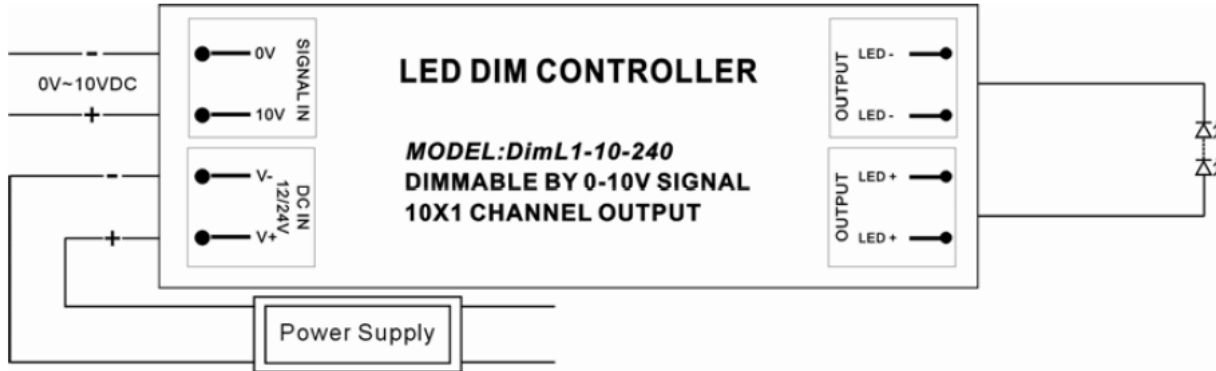


Option #1 When big brightness difference between the beginning and the end of the strips string, you can change to power the strip from both ends, like add wires to connect the strips and power supply as below showed.

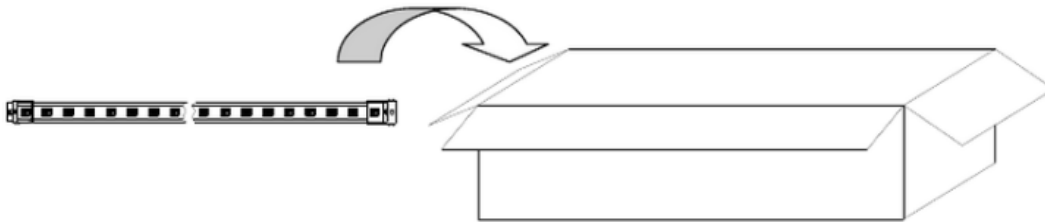


Option #2 When big brightness difference between the beginning and the end of the strips string, you can change to power the strips in parallel, as below showed.





5. Packing details



Part No.	Pcs/Box	Outer Carton	Weight
GNH-Linear-002-R-14.4W	50Pcs	1150*100*140mm	120/pc
GNH-Linear-002-R-4.8W			

6. 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.

