

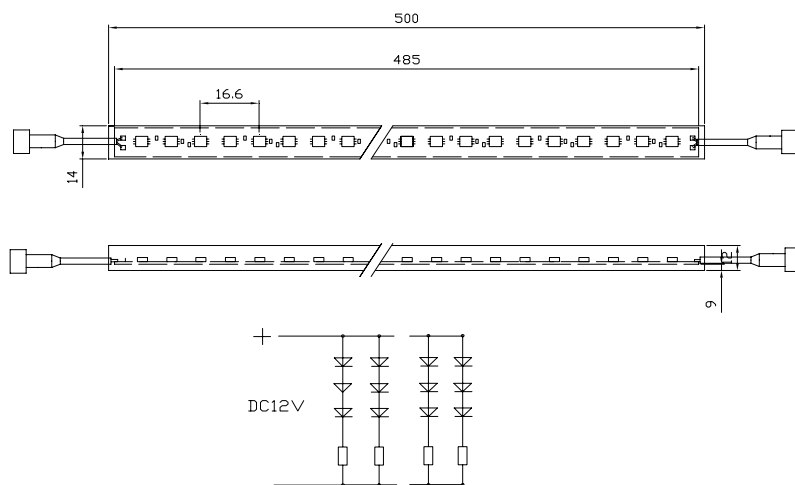
## BT-5050FRWP30-12

### Features :

- Wide applicability , easy to install and maintain.
- Extremely luminous, with wide viewing angle, various color available.
- Eergy saving and environmental conservation, long lifespan.



### Package dimensions:



#### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

**Application :**

- Indoor decoration lighting.
- Large scale backlight.
- Window display lighting.
- Building contour decorative lighting
- Ad.signs

**Cautions:**

- Linear separable LED strip on rigid printed circuit board with self-adhesive back.
- Each unit of 3 LEDs can be cut out as a regular segment without damaging the rest ribbon.
- The connector is being upgraded.
- We will keep customers to be informed.

**Electrical/Optical Characteristics:**

Part No.	Operating Voltage	LED Quantity/m	Length	LED spacing	Power Dissipation/m
BT-5050FRWP30-12 (RGB)	12DC	30	0.5m	16.6mm	2.4W

**Note:**

- Prohibit to use this product in excess of the operating voltage (DC12V) 5%.
- Waterproof products, and the working environment humidity is less than 60%.
- Don't add reverse voltage at both ends of the product.
- Products using indoor environment (non-waterproof) is -40 ° C ~ 85 ° C, it would not work outside such environment.
- No weights extrusion, excessive meander.
- Life span is 50000h.
- Standard length:5 meters/reel or 8 meters/reel
- Ribbon width:single color 8mm,RGB tri-color-A 10mm,RGB tri-color-B 12mm.
- Printed circuit board thickness:single color 0.25mm,RGB tri-color 0.2mm.

## Assembly information

- Solder connection should only be performed on designated solder pads (marked "+/-"). During soldering, don't exceed the maximum soldering time of 10 seconds and the maximum soldering temperature of 260 Celsius degrees.
- The smallest unit (50mm or 100mm-3LEDs) can be removed by cutting with scissors between the designated solder pads.
- The mounting of the ribbon is facilitated by means of the double-sided adhesive on the back-surface of the ribbon. Care must be taken to provide a clean and dry mounting surface, free of oils or silicone coatings as well as dirt particles. The mounting substrate must have sufficient structural integrity. Take care to completely remove the adhesive backing. Once the ribbon is appropriately positioned, Press on the ribbon with about 20N/cm<sup>2</sup> (refer to application techniques of 3M adhesive transfer tapes).

## Safety information

- The SMD light ribbon itself and all its components may not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED modules (with power supplies) need to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the ribbon.
- Parallel connection is highly recommended as safe electrical operation mode. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the ribbon.
- Please ensure that the power supply is of adequate power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between ribbon and the mounting surface.
- Pay attention to standard ESD precautions when installing the ribbon.
- Damaged by corrosion will not be honored as a materials defect claim, it is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.