

FLB6 RGB Color Series

Waterproof, IP66

Technical Parameters:

Light source: 5060 Top SMD LEDs
 Beam angle: 120 deg.
 Operating voltage: 12V DC
 Current per 3 LEDs(separable every 3LEDs): 60mA
 Consumption watts per 3 LEDs: 0.72W
 Entire roll size: 5000mm x 12.5mm
 Strip thickness: 3.5mm
 Entire roll LED quantity: 300pcs
 Operation Temperature: -20°C-60°C
 Storage Temperature: -20°C-80°C
 Wire length: 200mm (at one end)
 Packing: 5meter a roll



Optional Accessories:



Features and Benefits:

- Flexible
- Low profile
- Long life
- Cut to length
- High brightness
- Easy mounting
- CE and RoHS compliant

Optional Accessories:

* Power supply: (CE/EMC certified, IP66)

Part Number	Input Voltage	Output Voltage	Rating Power
REC-WP100-12-220	AC220V	DC12V	100W

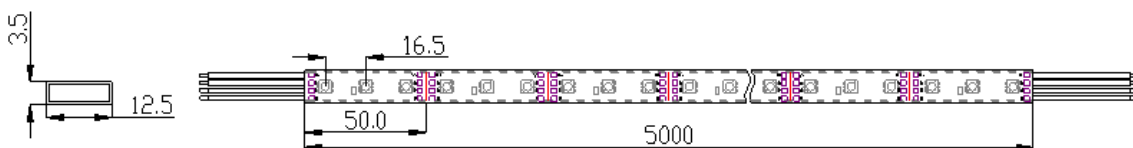
*150W and 300W power supply available.

Ordering Information:

Part Number	Emitting Color	Lumen per 0.5m/30LED
FLB6-5060RGB-30-12	RGB	R28/G79/B26 lm

Outline Dimension:

Surface Size: Unit-mm



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Assembly tips:

- The LED strip may be cut to fit into installations if necessary. Cutting marks are printed on the strip and must be adhered to. The smallest workable segment of the single color strip is 50mm long and contains 3 top SMD LEDs (RGB is 100mm contains 3 RGB LEDs)
- Solder connection should only be performed on designated solder pads on the strip. During soldering, do not exceed the maximum soldering temperature of 260 Celsius degrees and the soldering time of 10 seconds.
- There is a double-sided adhesive tape attached to the back of the strips. Care must be taken to provide a clean and dry mounting surface when mounting the strips. The mounting substrate must have sufficient structural integrity. Take care to completely remove the adhesive backing. Once the strip is appropriately positioned, press on the strip with about 20N/c m² (please refer to application notes of 3M adhesive tapes)

Safety tips:

- The conducting paths on the flexible PC board must be not damaged during assembly. The strip and all components on it must not be mechanically stressed. The strip may be curved around small radii provided there are no LED components on the bend and the force does not crease the strip. The strip should be secured down immediately to avoid fatigue and breakage.
- All applicable electrical and safety standards must be considered when installing the LED strips or related parts like power supply, LED controller and etc.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip (note: RGB Led strip is a 4 wire common anode polarity product).
- 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 strip.
- Pay attention to standard ESD precautions when installing the strips. It is advised to use a wrist strap during soldering to remove any static electricity. Static electricity may damage the LEDs and other components on the strip.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strips and the mounting surface.
- Please ensure that the power supply is adaptable power to operate the total load.
- Damaged by corrosion will not be honored as a material defect claim. It's the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.