

COB LED Flexible Strip Specification (COB-480-12/24V-8/10MM)

Led flexible strip use high brightness small watt LED as light source and high quality temperature resistant FPCB. LED Chips Brand : SanAn , Single LED :8-9lm 0.06W,Brand: Epistar.It is an adaptable and flexible LED lighting strip running on an extra safe DC12V or DC24Vpower supply for efficiency and safety. This voltage stabilized tape comes with 3M brand adhesive backing, which enables easy fitting virtually anywhere. It is in 1 mete strips and can be cut to size every 25mm or 50mm, making it perfect for illuminating under cabinet and over worktops, or for general low level lighting in cars, boats, caravans and widely used for architectural decoration lightings,





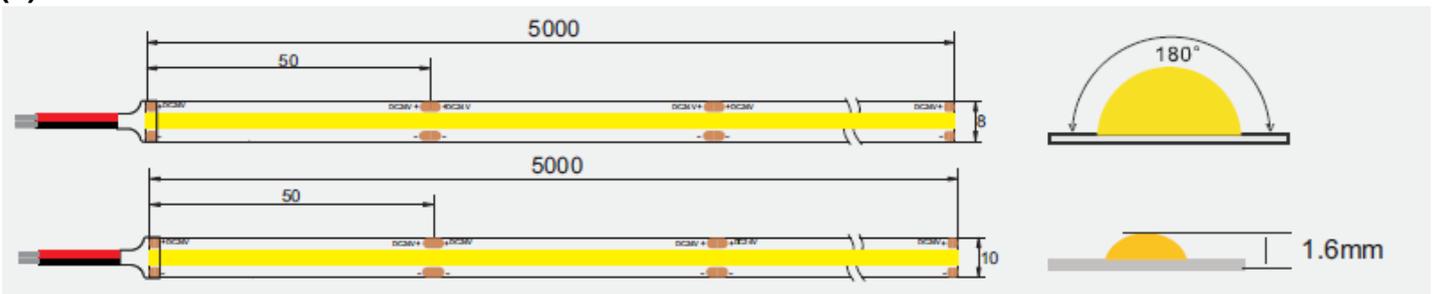
Product dimensions:

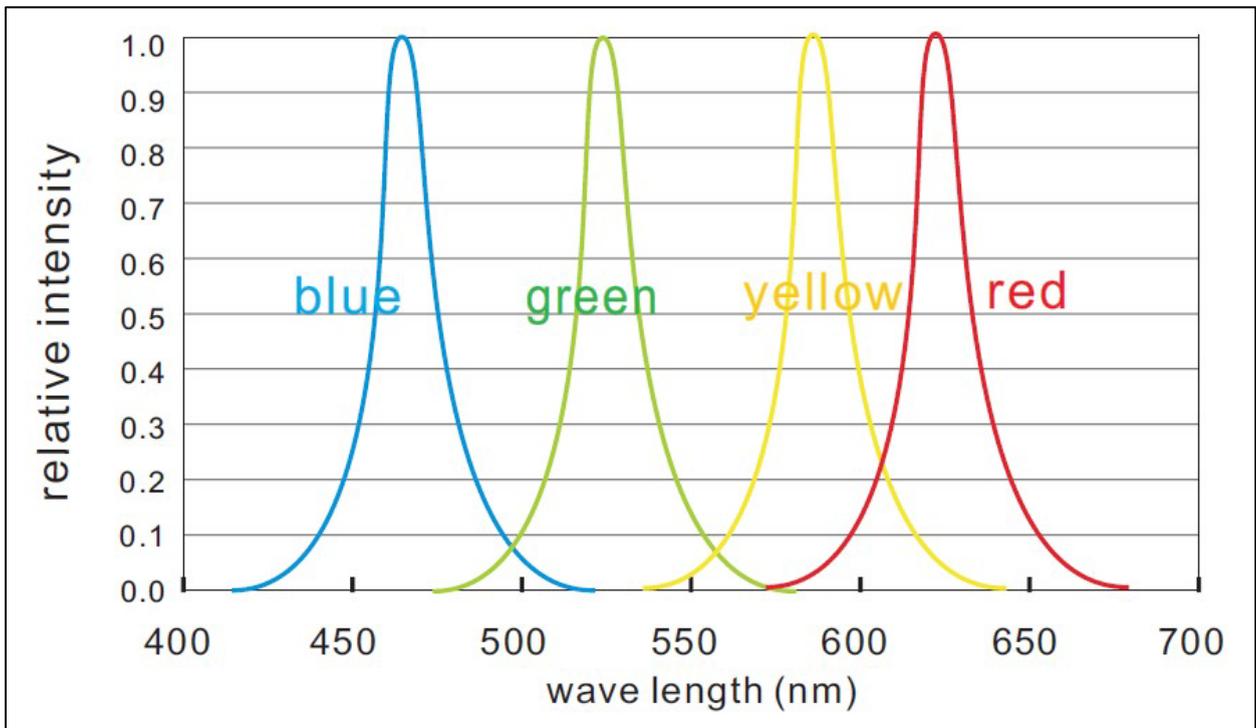
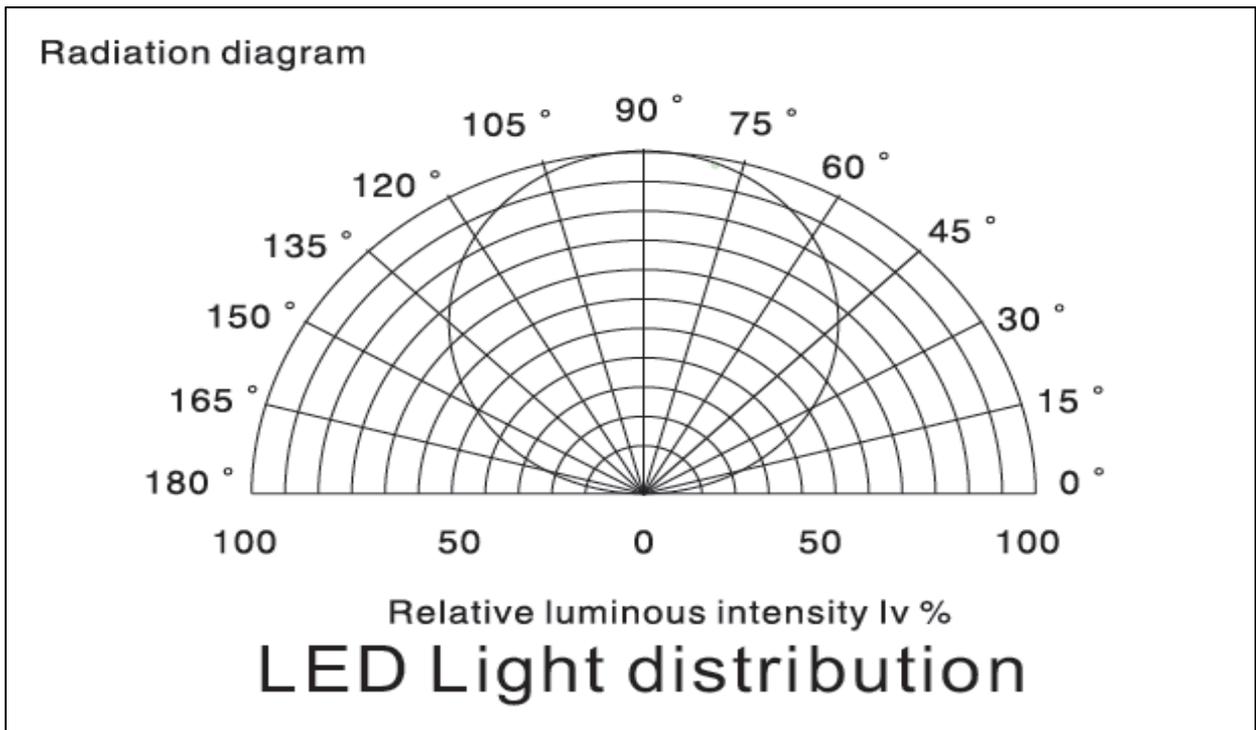
COB 480-LEDs/mete

(1)DC12V. Cut size: 2.5CM

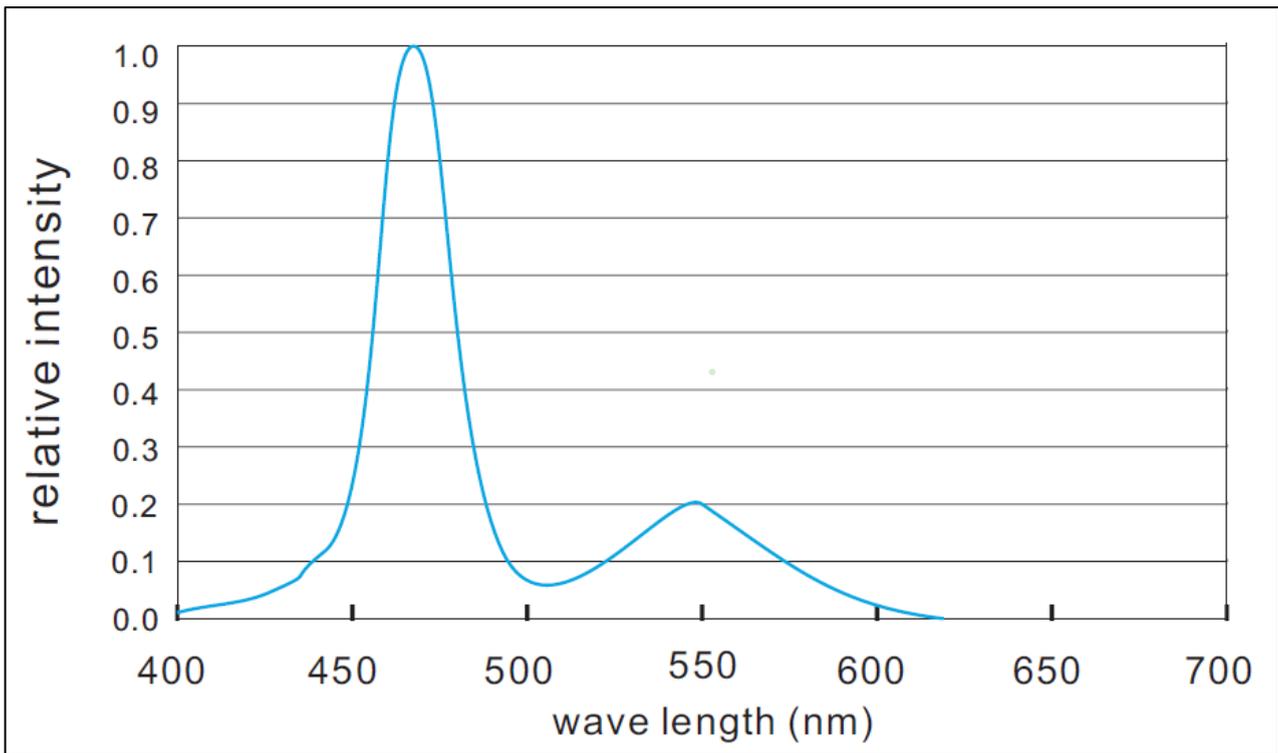


(2)DC24V. Cut size: 5CM





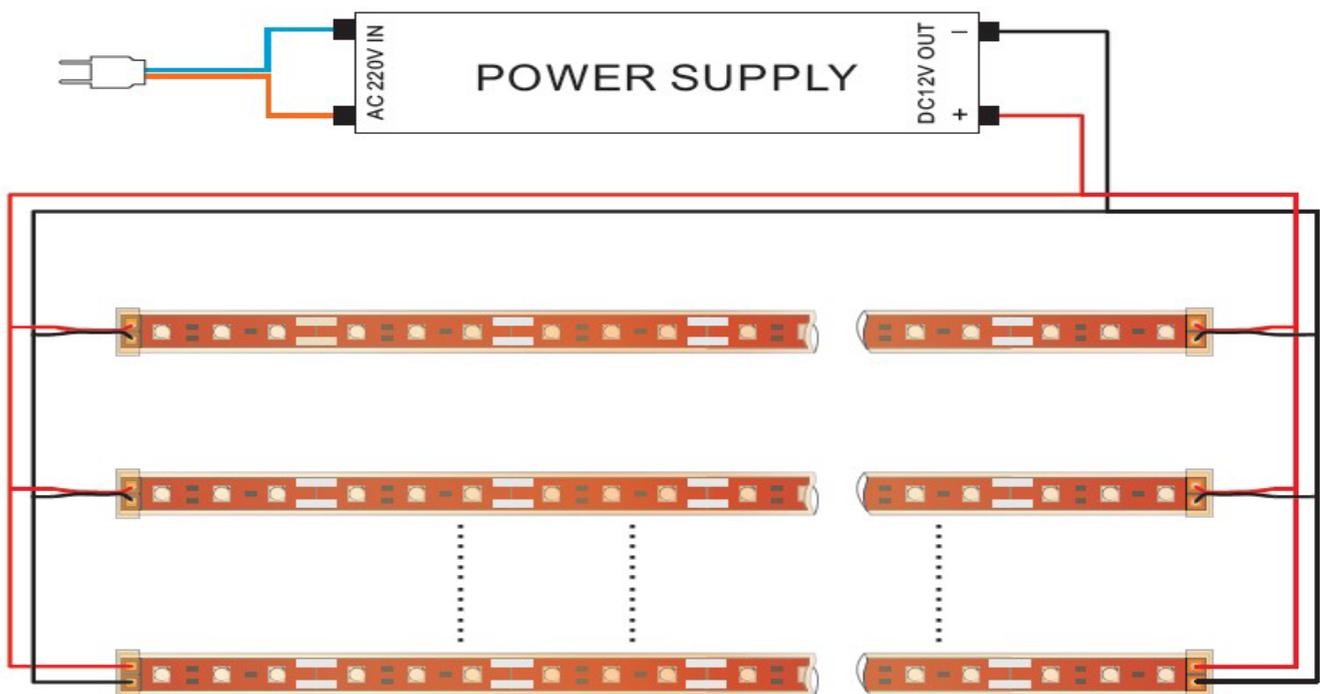
For Blue, Green, Yellow and Red LED



For White LED

Products connection diagram:

(single color)



Features:

- Wide applicability, easy to install and maintain, long lifespan.
- Very flexible, easily be curved to any shape. Various colors available.
- Extremely luminous, with wide viewing angle.
- Energy saving and environment-friendly.

Packing:



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.

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 (25mm 6leds DC12V or 50mm-12leds DC24V) 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/cm² (refer to application techniques of 3M adhesive transfer tapes).
- The minimum bending radius is 2cm. The ribbon may be bent over a smaller radius of the circuit board contain no Electronic components and such bends should be made once and fixed in position to avoid cyclic fatigue.

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) needs to be made with regard to all applicable electrical and safety standards. Only qualified personal 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 adapter 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.

Application:

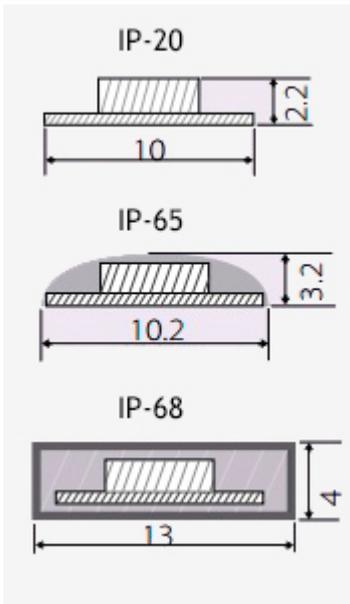
- Indoor decoration lighting.
- Large scale backlight.
- Window display lighting.
- Building contour decorative lighting.
- Ad. Signs.

Cautions:

- Linear separable LED strip on flexible printed circuit board with self-adhesive back.
- Each unit of 3 LEDs / 6 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.

Main Parameter:

Part No	Power (W)	Voltage (V)	CRI	Length	Color	Size(MM)	Lumen(LM)	Protection Grade
COB-480-10M	50W	DC12V/DC 24V	>90Ra	5M/Roll	WW/NW/DW/CW	L5000*W10*H3	900LM~1000LM	IP20-IP68



Notes:

- Prohibit to use this product in excess of the operating voltage (DC12V or DC24V) 5%.
- Non-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 (not waterproof) is -20 ° C ~ 45 ° C, it would not work outside such environment.
- No weights extrusion, excessive Meander.
- Life span is 50000h.