

OPTONICA

S LED Flexible Strip User Manual



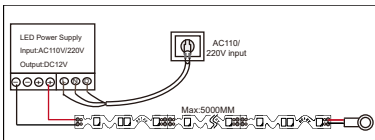
Specific:

IP Rate	IP20	IP65
Input Voltage	DC12V	DC12V
Input Power	7.2W/M	7.2W/M
Length	5m one roll	5m one roll
LED Qty/m	60LEDs/m	60LEDs/m
Viewing angle	120°	120°
Light Color	white(3000K/4000K/7000K),red,blue,green,yellow	
Width	6mm	6mm
Flux	720LM/M	720LM/M
Dimmable	Yes	Yes
Life span	50000hrs	50000hrs

Notes:

- LED strip should be stored in dry sealed environment and not be kept for too long. Please open just before using.
- SMD LED use so silica gel for encapsulation. No pressure, no push and no scratch on the face of LED during using.
- LED Strips should work under voltage DC12V±5%. If working out of this range may cause varying malfunction
- Please properly calculate the power consumption of LED strips and connect with suitable power supply (at most 90% power of power supply should be used).
- Before lighting up, make sure the input voltage, the anode and cathode of LED strip & power supplies are corrected.

Installation:



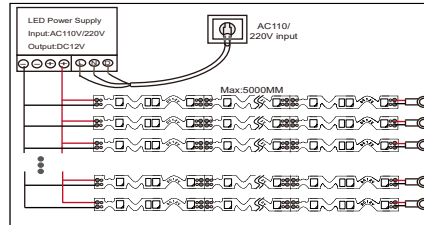
- Before installation, check the entire chain of LED strips for light intensity and color consistency.



- Clean the mounting surface with degreasing agent, and then remove the fact paper of double-side adhesive and affix strips. Bending led strip At will at S shape place. Press strips gently to ensure solid paste. (Don't press on the LED)



- During installation, if necessary to be cut, please cut at the place with cutting mark. If necessary to be connected after cutting. Please use an electric wire to Weld together.



- Connect the LED strip circuitry to the proper power supply. Every 5m should directly be connected to master wires as the diagram show. Please ensure "+ & -" of the LED strips wire are connected correctly. And isolate the free wires with connectors.



- Switch on the power and verify the lighting effect

Common Malfunction & Solutions:

5 meter long master wires diameters		
Malfunction	Probale Causes	Solutions
Non LED Work	1.No power from power supply	Check power supply
	2. Short Circuit or automatic short circuit protection of power supply	Troubleshoot short circuit and supply power again
	3. Power supply fuse is burnt	Replace the burnt fuse with a new one
Part of the LED don't work	1.No power from power Supply (Supplies)	Check the power supply System and troubleshoot.
	2.Some LED strips'power Supply wires are wrongly connected	
Brightness of LED is not consistent or is not enough	1. Power supply overloading	Add power supply quantity
	2. Too much current loss of power supply wires	Thicken wires or add wire quantity, or adjust the power supply positions to ensure each connection point voltage is no less than 95% voltage stipulated.
	3. Too many strips are connected	Connect each string directly to the master wires from the power supply as the diagram above. Don't connect the string by series.
LED twinkling	Poor wire contacting	Identify poor contacts and troubleshoot
Individual LED don't work	Breakdown due to electrostatic	Replace with new LED or New LED strips

Notes: Experienced electricians are recommended to guide installation.