

3 YEAR WARRANTY

5 Meter Reel Flexible Strip

MaxBrite LED Flexible Strip Series is widely used indoor and outdoor decoration lightings., large scale of back light and accent lighting etc.

- High Quality LED Light Source (5050 SMD Tri-Die Technology Ultra Bright Grade)
- Superior Color Temperature Cool White 4500k
- Flexible Compact Strip with 3M VHB self-adhesive backing
- Silicone Encapsulated Tube for indoor or outdoor enclosed dry locations
- 50,000 hours lifespan
- Cuttable Segment of 3 LEDs

Applications

- Decorate lightings
- Cabinet and Light Boxes
- Cove Lightings
- Edge Lit lightings



Flexible Strip 5 Meter Reel 300 LEDs, 5050 SMD Tri-Die Series

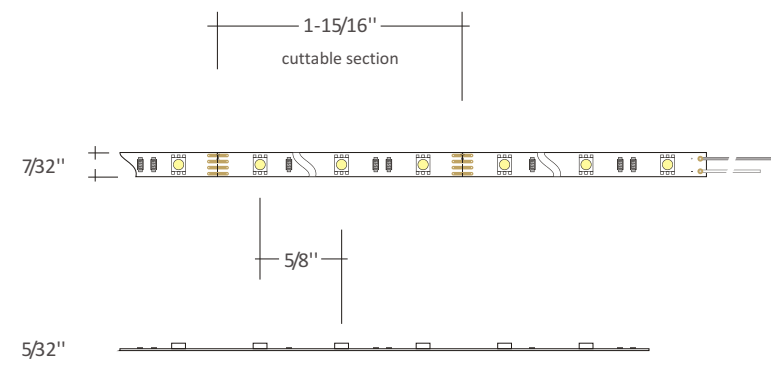
★ **Specifications**

CCT (Kelvin)	Cool White 4500k
Lumen Flux (lm)	378lm per foot (21lm per LED)
Operating Voltage	12V DC
Consumption	72 Watt per Reel (4.32W/ft., 0.24W/LED)
Working Current	6.00A per Reel (0.36A/ft., 0.02A/LED)
LED Lamp	5050 3-Chip
LED Quantity	300 per Reel (18/ft., 3/section)
Viewing Angle	120°

★ **Environmental**

Operating Temperature	-20°c to +60°c
Storage Temperature	-40°c to +85°c
Rating	IP 65 (suitable for dry location)
Case Housing	Silicone Encapsulated
Application Method	3M VHB #9473 (self-adhesive backing)
Wire Connection	24AWG
Dimensions	196-3/4" x 7/16" x 5/32" (L x W x H)
Weight	16 oz
Package	1/bag, 4/box

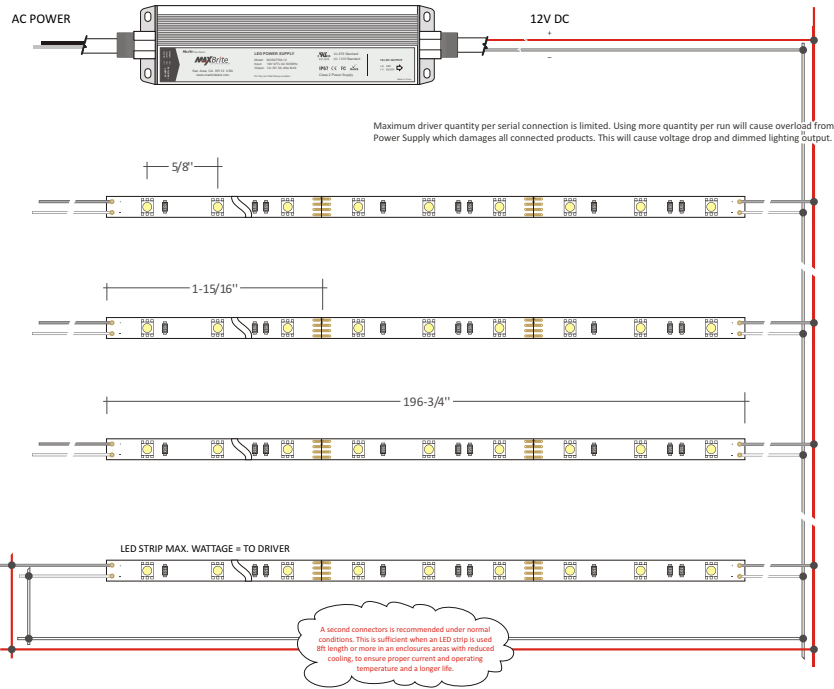
★ **Mechanical**



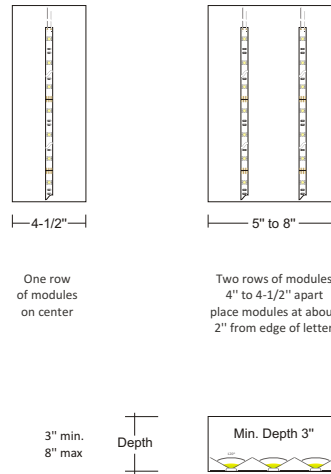
*CRI (Color Rendering Index) for white product types is 70 / *Luminous Flux measuring equipment is CAS140B
 *Viewing angle is the off axis angle from lamp centerline where the luminous intensity is half of the peak value / *CCT 5% tester tolerance
 *Dominant wavelength is derived from the CIE 1931 Chromaticity diagram and represents the perceived color
 *Color temperature for white is strictly controlled by bin rank system and it consists of three ranks which should not be used simultaneously.



WIRING DIAGRAM



Recommended Layout Density per Channel Width



Use recommended length for pitch between each module to achieve optimum lighting output while maintaining lowest unit cost. Failure or misplacing will cause dimmed spots or uneven appearance of light on the surface. 3" minimum depth.

CAUTIONS

- USE 12V DC CONSTANT VOLTAGE INPUT ONLY
- DO NOT USE AC INPUT !
- Do not cut or rejoin wires while product is connected with live power source.
- DO NOT PERFORM ACTION LISTED BELOW
 - ◆ Alter or modify Strips
 - ◆ Touch LED lamps with sharp objects
 - ◆ Put glue or silicone over the LED lamps
- Avoid performing installation under rain or high humidity and only install in temperatures above 50°F (10°) to allow for better mounting tape adhesion
- Maximum driver quantity per serial connection is limited to available power supply wattage, failure causes overload of current and damages to the product

POWER SUPPLY LOADING

Output (W)	20W	30W	40W	45W	60W
Max. Quantity Strip Footage*	4 ft.	6 ft.	8 ft.	9 ft.	12 ft.
Max. Length Recommended	15 ft.	30 ft.	50 ft.	75 ft.	100 ft.
Extension Wire	18AWG	18AWG	16AWG	14AWG	12AWG

* Maximum quantity for MAXBRITE Strip is based on approximately 85% of specified capacity of power supplies for extended lifespan. Equip with protective box for outdoor use and the box should have ventilating holes.

PREPARATION

Tools Required



Supplies Required



Prepare Channel Letters



1. Clean moisture, dust and oil from the inside of letter using rubbing Alcohol for best adhesion of mounting tape

2. Drill hole for power wire

3. Use bushing to protect wires from sharp edge of Channel Letter

Use only white paint inside channels for better reflection