

3 YEAR WARRANTY

5 Meter Reel Ribbon Strip

MAXBRITE RIBBON STRIP RGB REEL can produce 16 million brilliant colors. The Tri-Die technology provides an extremely smooth mixture of colors and high speed controlling ability.

- High Quality LED Light Source (5050 SMD Tri-Die Technology Ultra Bright Grade)
- Flexible Compact Strip with 3M VHB self-adhesive backing
- 50,000 hours lifespan
- For indoor/Outdoor Applications (suitable for dry, damp locations)
- UL 879, SAM recognized class 2 U.S. and Canada certified
- Cuttable Segment of 3 LEDs

## Applications

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

## Flexible Strip 5 Meter Reel 150 LEDs, 5050 SMD Tri-Die Series

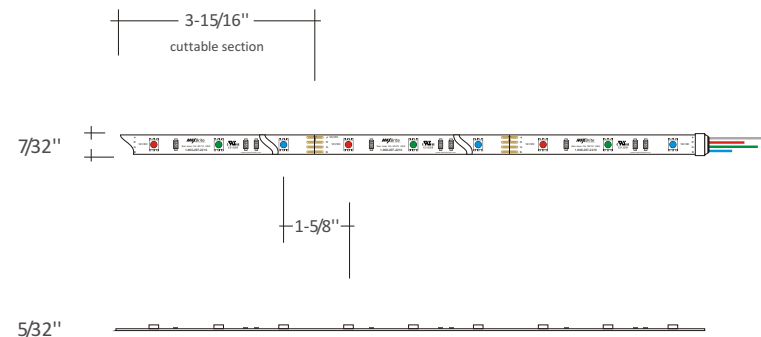
### ★ Specification

Operating Voltage	12V DC
Consumption	36 Watt per Reel (2.16W/ft., 0.24W/LED)
Viewing Angle	120°
Working Current	3.00A per Reel (0.18A/ft., 0.02A/LED)
LED Lamp	5050 3-Chip
Lumen Flux (lm)	Red: 19-21 Green: 26-28 Blue: 18-20
Wave Length	Red: 620-630 Green: 515-530 Blue 450-465

### ★ Environmental

Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
Rating	IP65, UL SAM (suitable for dry, damp locations)
Case Housing	-40°C to +85°C
Application Method	3M VHB #9473 (self-adhesive backing)
Wire Connection	24AWG
Dimensions	197" x 7/32" x 5/32" (L x W x H)
Weight	8 oz
Package	1/pack, 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.



IP65

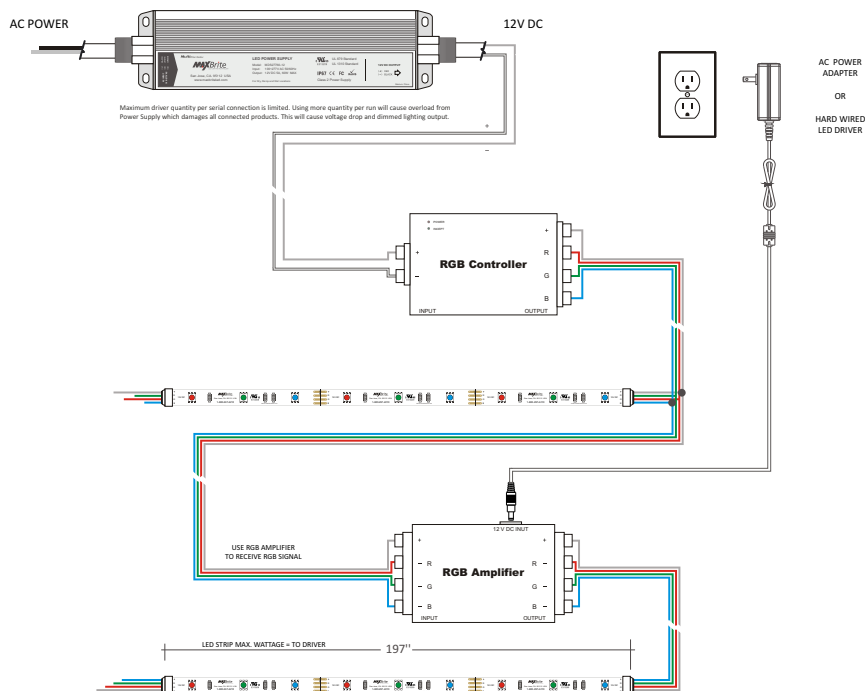
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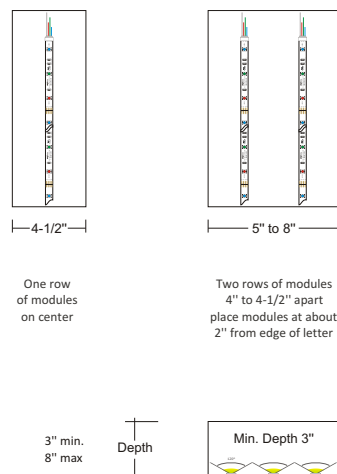


# USER GUIDE

## 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*	9 ft.	12 ft.	16 ft.	17 ft.	23 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



Use only white paint inside channels for better reflection