



## RGB LIGHT STRIP

# LS-DMX-24V-5M-12MM-RGBW

### Feature

- Plus Series constructed with premium materials: Epistar/San'an chips, Intermax phosphor, ShinEtsu & Dow Corning glue.
- Uses high-quality components including 99.99% pure golden wire and pure copper.
- Equipped with external programmable TM512AC smart IC for pixel-by-pixel control.
- Compatible with DMX signal for advanced lighting control.
- Designed for consistent, high-quality RGBW illumination.

### Applications

- Decorating backlight and indirect lighting.
- Showcase, shelf, cabinet, and billboard illumination.
- Signage and architectural lighting.
- Hotel, garden, bridge, and corridor lighting.
- Ceiling, stair, floor, cove, theatre, and lift lighting.



## Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	CRI	Increment	Max Run	IP Rating	Beam Angle
LS-DMX-24V-5M-12MM-RGBW	5000*12*2mm	RGBW	SMD	24Vdc	20W/M	760lm/m	Ra≥80	100mm	5m	IP20	120°

## Parameter

GENERAL PARAMETERS		PHOTOELECTRIC PARAMETERS	
Standard Length	power: 5M[16.4ft.] (power fed on one side) data: depend on pixel controller being usage	Power ± 10%	20W/M [6.1W/ft.]
Min. Unit & LED QTY	100mm [3.94in.] & 6 LEDs	Input Voltage	24VDC
LED Type	SMD5050 RGBW 4in1	LED Current	R:18mA, G:18mA, B:18mA, W:18mA
LED QTY	60LED/M [18LED/ft.]	LED CCT & Wavelength	R:620~625nm, G:520~525nm, B:460~467nm, W:2700-6500K
PCB Type	2oz white FPC, OSP	SDCM	W:ErP & ANSI Norm, 5 Step
Operating Ambient	Ta: -20~45°C	CRI	W:Ra≥80
Warranty	3 years	Beam Angle	120°
Lifespan		Dimming / Toning Method	PWM (Support DMX controller.)
Certification	CE, UL, RoHS		

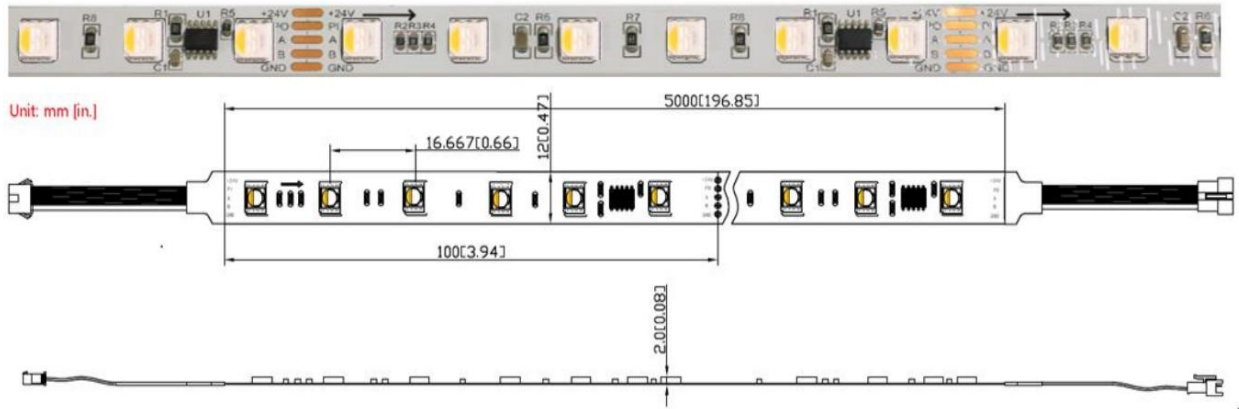
### Note:

1. Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
2. Transmittance for IP54/IP67/IP68, 2700K/3000K is 95%, 3500K/4000K is 90%, 5000K/6500K is 80%; for IP65/IP54 Plus/IP67 Plus is 95%.
3. Applying with extra heat sink is not necessary with self-cooling capacity.
4. 3M 300LSE yellow adhesive tape attached on backside, is standard configuration of Plus Series.



5. One end of 200mm AWG22 brown/green/red/blue/white silicon cable or waterproof connector kit according to specific IP rating, is standard configuration of Plus Series.
6. Transparent reel and silvery ESD bag, are standard configuration of Plus Series.
7. Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.

## Dimensions Diagram



## Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	12 <sup>th</sup> of December 2025	Jesse Jankelowitz	Michael Xu