

# PRODUCT DATA SHEET



## Digital Series

5050DMX 48LEDs/m 12W/m

(External DMX512 IC ; 4 channels)



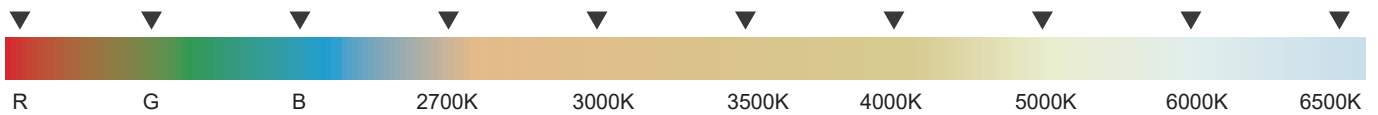
RS-DMX5050RGBW-24V-48D-12-20



 Product Feature

1. Addressable signal break-point continuous transmission DMX led strip light.
2. Applying SMD 5050 highlight LEDs, with external DMX512 IC, can achieve full color effect by controller.
3. Suitable for advertising, hotel, bar, KTV, bridges, walls and other interior & exterior lighting project.
4. 2 years warranty.

 CCT Option



Lighting Effect



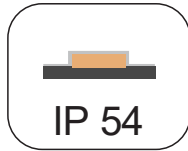
Lighting Effect

## IP Rating Option



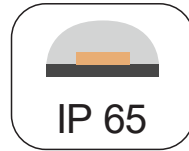
**IP 20**

Non-Waterproof



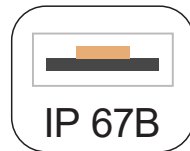
**IP 54**

Nano Coated



**IP 65**

Silicone Glue Coated



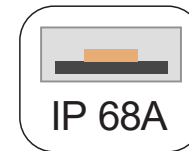
**IP 67B**

Silicone Tube



**IP 67D**

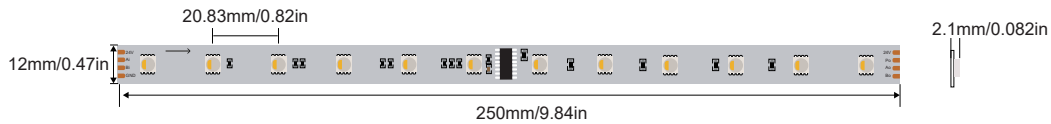
U-Tube Instilled  
Silicone Glue




**IP 68A**

Silicone Tube Injected  
Silicone Glue

## Dimension mm/inch



Length/Reel	Width	Height	LED Spacing	Min. Cutting 
5000mm/196.85in	12mm/0.47in	2.1mm/0.082in	20.83mm/0.82in	Every 250mm /9.84in (12 LEDs)

## Note:

LED strip length tolerance is + -0.2%mm.  
Width tolerance is + -0.2%mm.

 **Data**

Part Number	Working Voltage	Power	Current	LED Qty	CRI
RS-DMX5050RGBW-24V-48D-12-20	24V	12 W/m	0.5A/m	48LEDs/M	/
		3.656W/ft	0.15A/ft	≈15LEDs/ft	

CCT (°K)	Luminous Efficiency	Lumen	
R	14 lm/W	55 lm/m	17 lm/ft
G	51 lm/W	200 lm/m	61 lm/ft
B	11 lm/W	42 lm/m	13 lm/ft
W (4000K CRI>80)	61 lm/W	244 lm/m	74 lm/ft

**Note:**

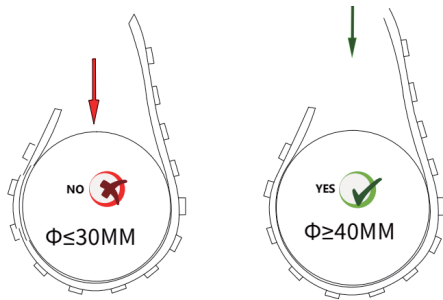
The data base on IP20 non-waterproof.  
The Lumen output value tolerance + -5% due to testing way.  
The CCT will be + -100k tolerance.

 **Absolute Maximum Ratings**

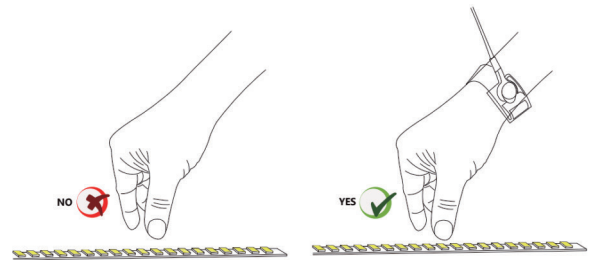
Parameter	Symbol	Value
Thermal Measurement Point	Tc	80°C/176°F
Operating Temperature	Topr	<80°C/<176°F
Storage Temperature	Ts	-20~+60°C/-68~140°F
Number of FPC Connection		



## Cautions



<50mm diameter of wrapped object prohibited



Pls wear the electrostatics ring for avoid ESD

## Safety & Disclosures

1. Do not install the led strip in environment where excessive heat may occur.
2. Do not extend beyond the recommended maximum run length.
3. Only use copper wiring. Use wires rated for at least 176°F(80°C) and certified for use with external connection of electrical equipment.
4. Do not install IP20 LED strip products in outdoor / wet location environments.
5. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. Improper wire selection and installation could overheat wires, and cause fire.
7. Do not connect directly to high voltage or AC power.
8. Installation must be in accordance with local and national electrical code regulations.
9. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician