



Professional LED Light Manufacturer
Since 2008

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IP20 LED LIGHT STRIP

RGBW COLOR

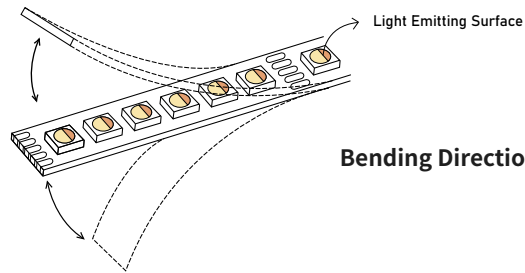
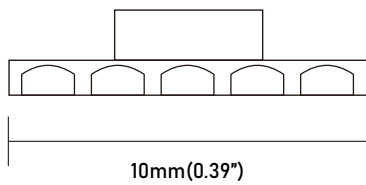
60 LEDS/M

24V

SKU:WJ-LSS-SMD5050-RGBW-24V



Structural Drawing & Bending Direction



Bending Direction: vertical

Certifications



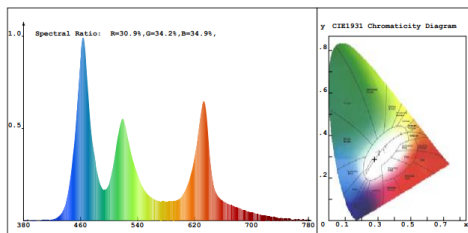
Technical Data



PWM-RGBW

Color Temp	Red: 624.4nm	Watts/m(24V)	Red: 3.14W
	Green: 525.1		Green: 3.72W
	Blue: 467.5nm		Blue: 3.18W
	White: 2693K(WW)/4000K(W)		White: 3.18W
	RGBW: 10259K(Color mixing)		RGBW: 12.43W (Color mixing)
Lumen/m (24V)	Red: 99.15lm	Unit Cut(24V)	10cm
	Green: 281.79lm		
	Blue: 42.48lm	Max Loading(24V)	5m
	White: 200.59lm		
	RGBW: 582.59lm(Color mixing)		
LED Quantity(m)	60 LEDs	IC code: SK6812	(compatible with all ICs and controllers in the WS2811, 1804, and 1809 series)

Optical Parameter Chart for Integrating Sphere Testing

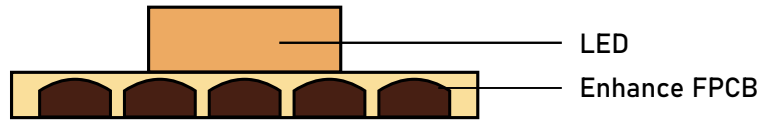


Reliability test

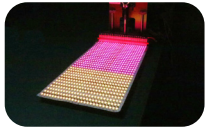
TEST CATEGORY	TEST ITEMS	STANDARD/VALUE
Optical Test	Spectrum Analysis	IES LM 79(CCT, lumen, CRI, SDCM, XY, wavelength)
	Photometric Distribution	IES LM 79(lumen intensity distribution & Lux diagram)
	Lumen Maintenance & Lifetime	IES LM84 & IES TM 28
Temperature Test	Normal Temperature Test -25°C	UL 1598 & UL2388 & IEC60598-1 & IEC60598-2-21
	Abnormal Operation Test -70°C	UL 1598 & UL2388 & IEC60598-1 & IEC60598-2-21
Physics Test	Bending Test	Manufacturer-defined, 1000 cycles
	Swing Test	UL2388, >750 cycles
	Tensile Test	Manufacturer-defined, >the weight of light in max. running length by double ends feed
	Twist Test	Manufacturer-defined, 200 cycles
	IK08	IEC62262
	Ball Impact	UL 1598 & UL2388 & IEC60598-1 & IEC60598-2-21
Weathering Test	Swimming Pool Water Immersion Test	GB9667, PH6.8-7.6, free chlorine 0.3-0.6mg/L
	Sea Water Immersion Test	IEC 60598-1, Salinity 4%
	Salt Spray Test	IEC68-2-11
	Outdoor Exposure	Manufacturer-defined
Environment Test	Flame Resistant Test	UL94
	UV Exposure Test	ASTMG154, UVA@340nm
	IPX5 IPX6 IPX7 IPX8	IEC60529
	Temperature Shock Test	Manufacturer-defined, -40°C-60°C(typical temperature range)
	Constant Temperature Test	Manufacturer-defined, 70°C(typical temperature range)

Wilgex specializes in engineering LED flexible neon lights and offers both standard and customized services. If you have specific requirements, please contact our sales department.

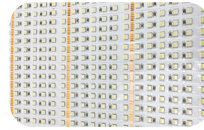
Star quality assurance



Unique Design



★ Enhance thickness FPCB design principle



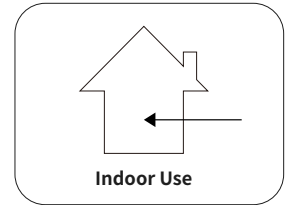
★ LED anti-death design

Wide Color Options



Recommended Usage Scenarios :

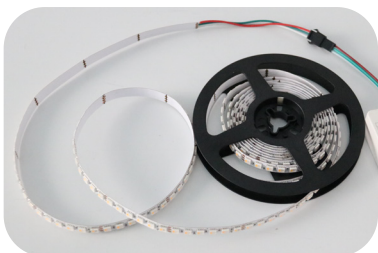
- 1. Indoor architectural lighting decoration
- 2. Landscape lighting
- 3. Advertising signage lighting
- 4. Stage and theater lighting
- 5. Car and motorcycle lighting
- 6. Holiday and event lighting decoration
- 7. Cove lighting
- 8. Edge-lit lighting
- 9. Retail and display lighting
- 10. Restaurant and bar lighting



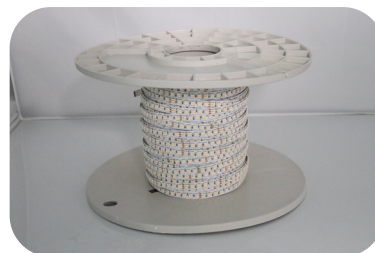
Please note that these are only recommended usage scenarios and it is important to consult the product specifications and guidelines before using flexible LED neon light strips in any application.



Package



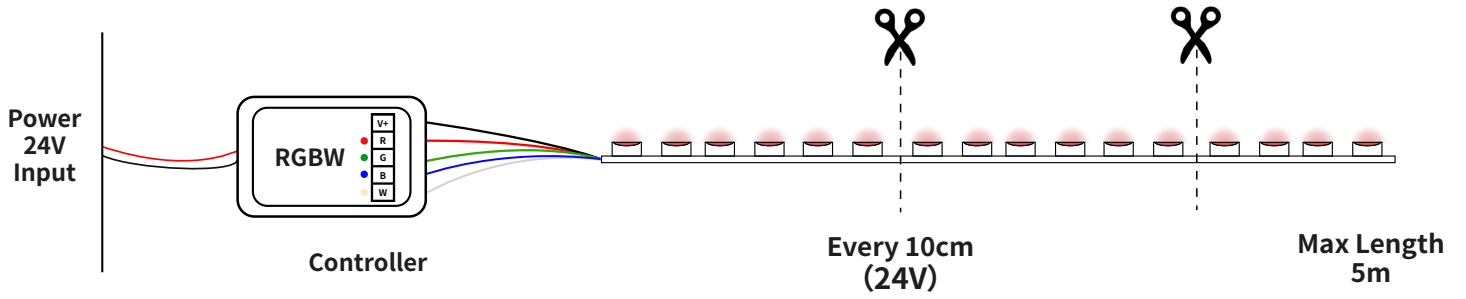
Packing Method : Reel + Boardcards
Quantity / Box : 5 meters / reel
Gross Weight :0.11 Kg (0.24 LB)



Packing Method : Reel + boardcards
Quantity / Box : 20 meters / reel
Gross Weight : 0.82Kg (1.81LB)

Mini Cutting Length & Connection Length

- Voltage (24V)



Controller



PWM RGBW LED Controller