

# RGB TM1914 Digital NeonFlex



Available colors



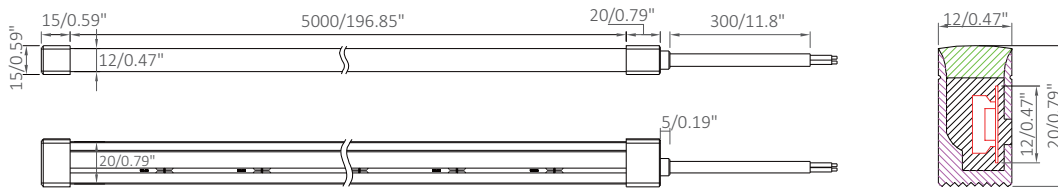
## Features

- 5050 RGB LED;
- 24VDC, 12.6W/M, 100mm cutting length;
- Adopt TM1914IC, with high reliability and practicability;
- Abundant color mix pattern, with PWM256 gray level control, more than 16 million;
- Silicon-tube sleeved, production process is simple and stable, bending resistance reliable, waterproof grade up to IP65;
- Elegant appearance; Side View Dot-free illumination;
- Match all kinds of TM1914 controller sold in market, do not need to customize special controller;
- CE, RoHS compliant, 5-year warranty

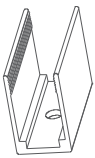
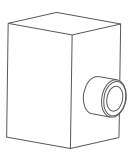
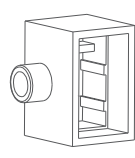

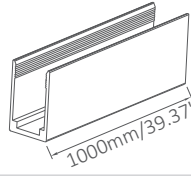
## Technical parameters

Model	Wave Length & CCT Range		Luminous Flux (lm/M)	CRI	PCB Width (mm)	LED Qty. (PCS/M)	Rated Watt (W/M)	DC Voltage (V)	Max. Length (M)	IP
SC-TM1914-RGB-24V	R	620-630nm	/	/	12	70	12.8	24	5	65
	G	515-530nm								
	B	460-470nm								

## Dimensions (unit: mm/inch)



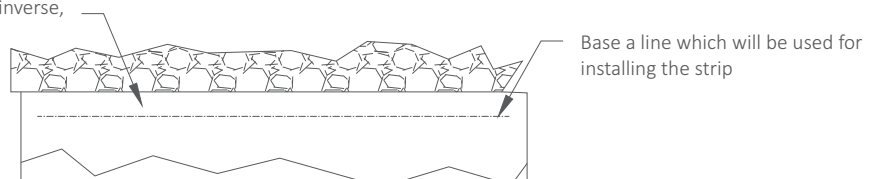
## Accessories

Name	Mounting Clip	End cap with hole		End cap without hole	Mounting Channel
Picture					
Quantity	20pcs per reel	optional	optional	optional	optional

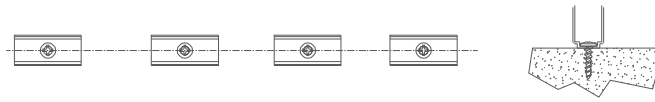
## Installation diagram

### 1. Pull a parallel string on which the LED strip will be installed, as figure 1

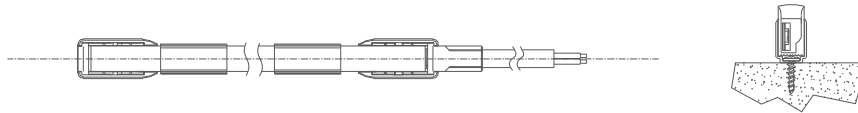
surface which strip will be installed on (inverse, vertical, horizontal or 90° vertically)



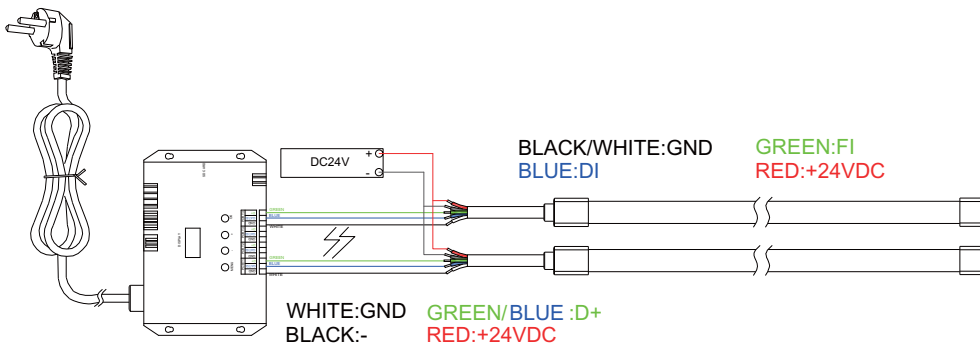
2. Fix the clip on the base line, and the distance depends on practical situation, as figure 2



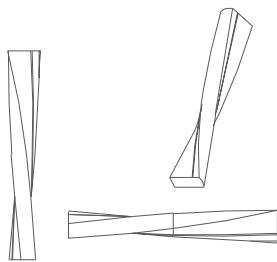
3. After the clip is fixed, insert the LED strip into the slot with luminous surface closing to the thumb, as figure 3



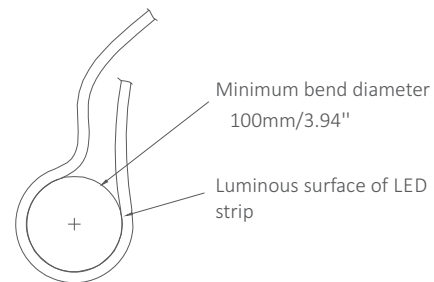
4. Connect power wire and finish the installation, as figure 4



## Installation Precautions

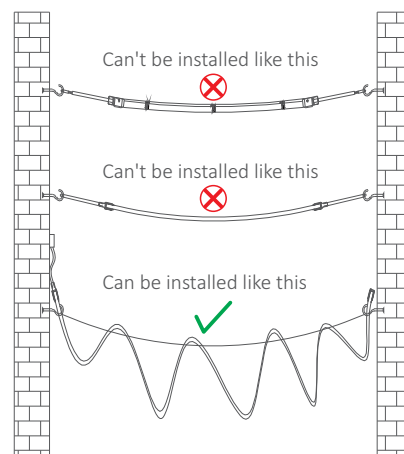
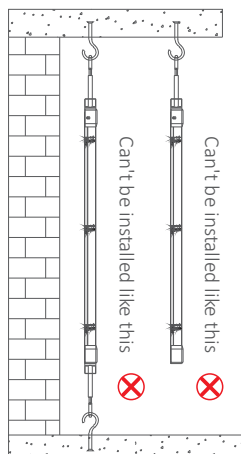


Do not twist like this.



Minimum bend diameter  
100mm/3.94"

Luminous surface of LED  
strip



Can't be installed like this

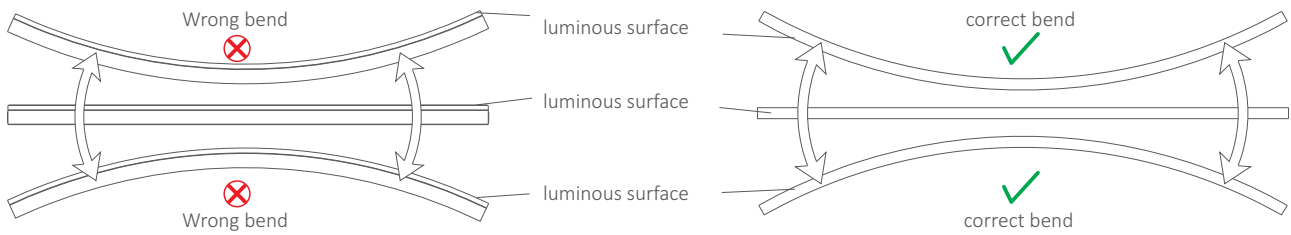


Can't be installed like this

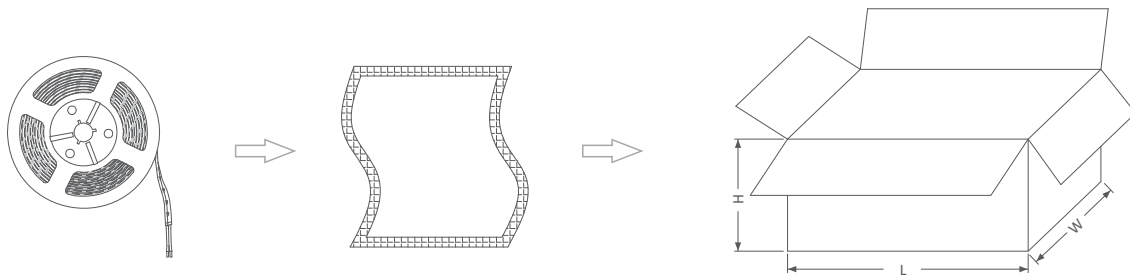


Can be installed like this





## Packaging information



LED strip+accessories	Anti-static bag	Packing Box		
Part Number	Gross Weight per Reel	QTY per Carton	Size(cm/inch)	Gross Weight
SC-TM1914-RGB-24V	1.55Kg	10 Reels	41cm*36cm*37cm 1.61"*1.42"*1.46"	16.22Kg

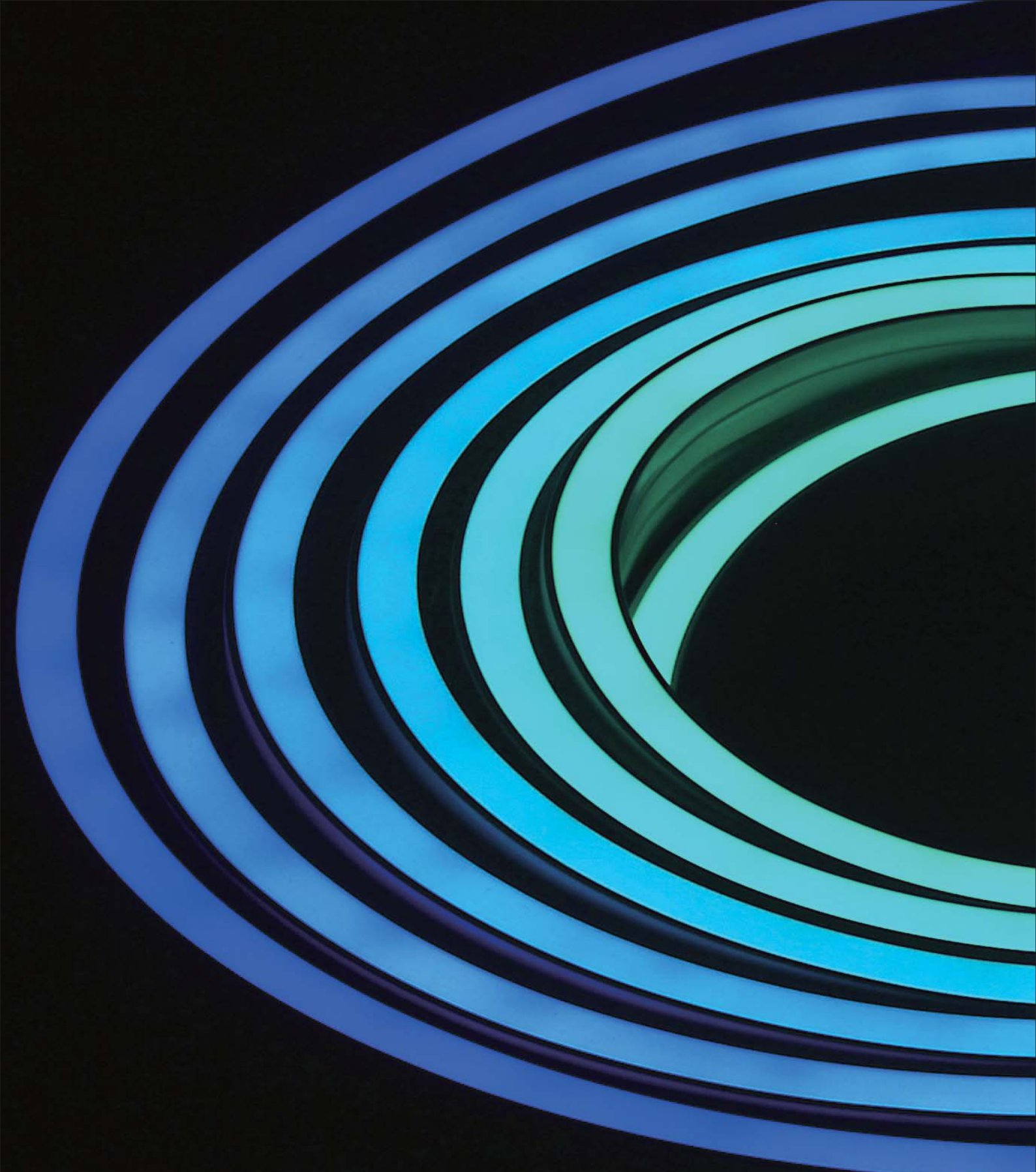
## Installation requirement

- The strip itself and all its components may not be mechanically stressed;
- Routes on the circuit board can't be damaged or destroyed during installation;
- Installation of LED ribbon (with power supplies) needs to be made with regard to all applicable electrical and safety standards; Only qualified personnel should be allowed to perform installations;
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip;
- Parallel connection is highly recommended as safe electrical operation mode;
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip;
- Please ensure that the power supply is of adapters power to operate the total load;
- When mounting on metallic or other conductive surfaces, there needs to be isolation points between strip and the mounting surface;
- Pay attention to standard ESD precautions when installing the strip;
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements;
- Caution needs to be taken while doing the connection after cutting the strip. Only authorized professionals can do the work to enable it waterproof in wet locations.



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## Application

- Stage lighting
- Lighting for festivals, events, exhibitions
- Signboard backlight
- Path contour lighting
- Landscape decoration lighting, etc