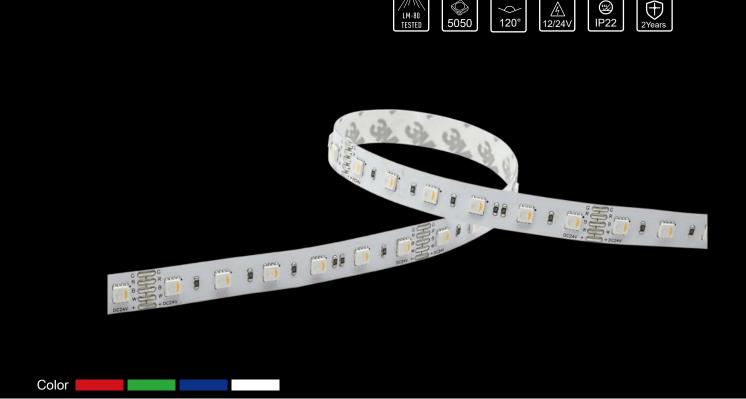


5050 4in1 LED STRIP LIGHT **TN-F5050-60-12/24 RGBW**





1.Adopt high quality 5050 LED.

2.Adopt red,green,blue and white/orange four in one LED.

3.Flexible and cuttable every 3 or 6 LEDs.

4.Good stability and reliability performance

5.Input voltage:DC12V and DC24V

Application 7

Backlight,outline,indoor and outdoor lighting,recessed landscape lighting etc.

Installation

By 3M self adhesive tape

+86-28-8148 0011

+86-28-8148 1258

sales@blueviewled.com

Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com

PAGE 1



Optical & Electrical Parameters

Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Typical Luminous Flux value(lm/m)	Ra	Efficacy (Im/W)	Voltage (V DC)	Power (W/m)
	W	2870-3220	120°	339	90+	79		4.8
	R	620-625						
TN-F5050-60-12- RGBW-30K	G	520-530		421			12V	14.4
	В	460-470	-					
	R+G+B+W			689				19.2
	W	3220-3700		342	90+	80		4.8
	R	620-625						
TN-F5050-60-12- RGBW-35K	G	520-530	120°	416			12V	14.4
	В	460-470						
	R+G+B+W			681				19.2
TN-F5050-60-12- RGBW-45K	W	4260-4740	120°	356	90+	84		4.8
	R	620-625						
	G	520-530		428			12V	14.4
	В	460-470						
	R+G+B+W			695				19.2
TN-F5050-60-12- RGBW-65K	W	6060-7035	120°	336	90+	79		4.8
	R	620-625						
	G	520-530		419			12V	14.4
	В	460-470						
	R+G+B+W			689				19.2

+86-28-8148 0011

+86-28-8148 1258

sales@blueviewled.com

Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com

PAGE 2



Optical & Electrical Parameters

Model No.	Light Color	Color Temperature/ Wavelength (K/nm)	Beam Angle	Typical Luminous Flux value(lm/m)	Ra	Efficacy (Im/W)	Voltage (V DC)	Power (W/m)
	w	2870-3220	120°	375	90+	78		4.8
	R	620-625						
TN-F5050-60-24- RGBW-30K	G	520-530		464			24V	14.4
	В	460-470						
	R+G+B+W			806				19.2
	W	3220-3700		374	90+	79		4.8
	R	620-625	120°					
TN-F5050-60-24- RGBW-35K	G	520-530		453			24V	14.4
	В	460-470						
	R+G+B+W			794				19.2
	W	4260-4740	120°	378	90+	80		4.8
	R	620-625						
TN-F5050-60-24- RGBW-45K	G	520-530		460			24V	14.4
	В	460-470						
	R+G+B+W			804				19.2
TN-F5050-60-24- RGBW-65K	W	6060-7035	120°	379	90+	80		4.8
	R	620-625						
	G	520-530		471			24V	14.4
	В	460-470						
	R+G+B+W			810				19.2

+86-28-8148 0011

+86-28-8148 1258

sales@blueviewled.com

Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com

PAGE 3



Other Parameters

Model No.	LED Quantity (pcs/m)	Standard Run Length(m)	Max Run Length(m)	Min Cuttable Length(mm)	Working Temperature	Storage Temperature
TN-F5050-60-12-RGBW	60	5	2.5	50	-20~+60°C	-20~+70°C
TN-F5050-60-24-RGBW	00		4.5	100	-20~+60 C	

NOTE:

1.Test environment temperature : 25±2°C.

2.The luminous flux and power tolerance within ±10%.

3. The actual data of each single product may differ from the typical values. The data is subject to change without notice.

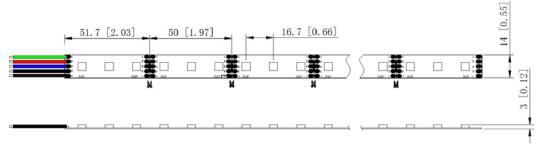
4. The luminous flux is tested with single color on.

5.Different color temperature will make luminous flux different.

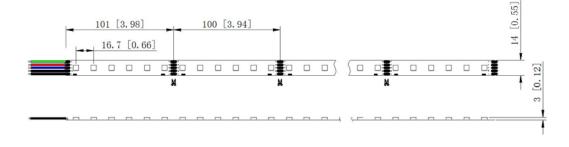
6. The RGB power and luminous flux tested at three lights on and under control, the same below

Profile Drawings

TN-F5050-60-12-RGBW



TN-F5050-60-24-RGBW



PAGE 4

+86-28-8148 1258

sales@blueviewled.com

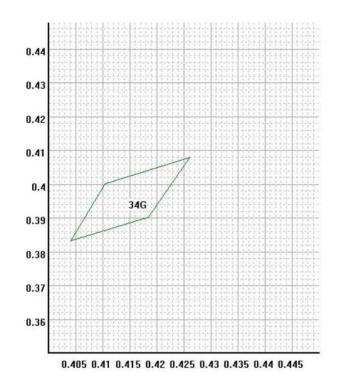
Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com Specifications are subject to change without notice. Blueview[®] 2020-All rights reserved.Made.in China.

Unit:mm





CIE Chromaticity Diagram



Warm white chromaticity coordinates target bitmap

chromaticity coordinate				
X	Y			
0.4041	0.3832			
0.4104	0.4001			
0.4261	0.4077			
0.4185	0.3902			

NOTE: The diagram is for reference only. Different suppliers might have different diagrams.

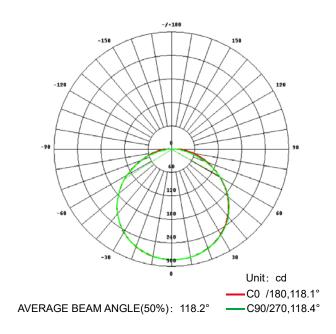
PAGE 5

sales@blueviewled.com

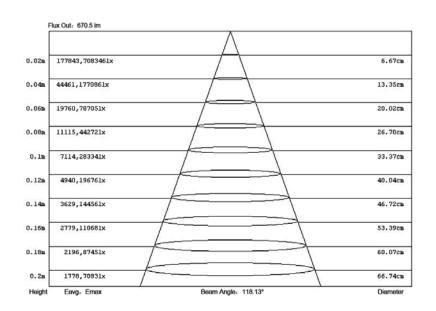
Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com



Luminous Intensity Distribution Diagram



Average Illumination



NOTE:

Luminous Intensity Distribution Diagram: The data is of TN-F5050-60-24-RGBW with 3500K ,and it will be different due to different test condition, this one is for reference only.



+86-28-8148 0011
+86-28-8148 1258
sales@blueviewled.com

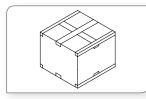
Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com



packing



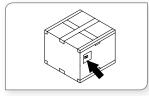
Label the reel;



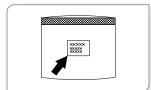
Seal the carton box;



Put reel, accessory bag and desiccant together into static shielding bag;



Label the box;



Seal and label the static shielding bag;



Use packing belt to pack. Add edge protectors if necessary.



Put the packed static shielding bag into carton box;

Packaging information

Model No.	Product Size L*W(mm)	Carton Size(mm)	Reel/Carton	Net Weight(kg)	Gross Weight(kg)
TN-F5050-60-12/24-RGBW	5000X14	550X400X340	70	8.25(1±10%)	13.05(1±10%)

Note:

1pcs (5m) per reel, packed in the static shielding bag.

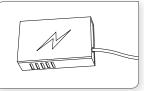
The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.the concrete object shall prevail.



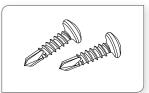
1.Products and Tools

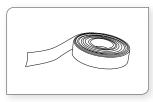


TN-F5050-60-12/24-RGBW



LED power supply





Self-tapping screw

Insulation Tape

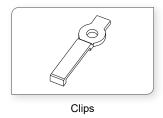
PAGE 7

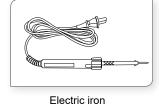
+86-28-8148 0011

- +86-28-8148 1258
- sales@blueviewled.com

Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com









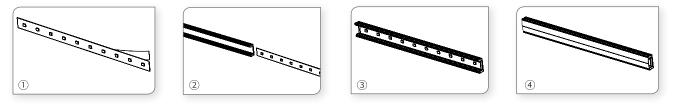
Diagonal pliers



Electric drill

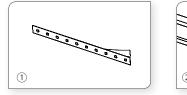
2.Installation Methods and Steps

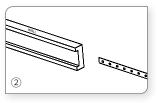
Aluminum channel installation

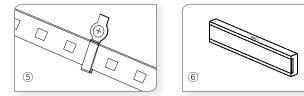


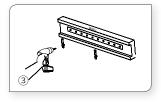
- 1. Peel away the self adhesive tape on the back of strip.
- 2. Cut off the excess part based on the installation position.
- 3. Evenly arrange the strips with appropriate space in the track.
- 4. Install the cover and end cap.

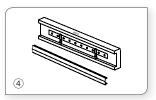
Covered channel installation











- 1. Peel away the self adhesive tape on the back of strip.
- 2. Cut off the excess part based on the installation position.
- 3. Evenly arrange the strips with appropriate space in the track and fix them with clips.
- 4. Install the cover and end cap.
- 5. Clip installation as the figure show
- 6. Finished

PAGE 8

+86-28-8148 0011

- +86-28-8148 1258
- sales@blueviewled.com

Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com





Attentions before installation

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation,waterproof and anti-corrosive treatment.
- If the working length exceeded the max run length, make sure to have extra power supply.
- If it needs higher current of a LED, make sure having extra cooling.

Common Faults and Troubleshoot

Quick Guide					
Problems	Reasons	Solutions			
	No electric supply.	Power on			
All LEDs can not light on.	Automatic power protection from the open or short circuit in output of the power supply.	Fix the short circuit problem.			
	Wrong connection of power supply.				
	Some switching mode power supplies are not powered.	Check the power supply			
LEDs can not light on partly.	Power supply line error.	system to fix it.			
	Mistaken wire connection of some of products	Correctly connection			
Brightness of LED is inconsistent tor insufficient.	Power overloaded.	Replace with more powerful power			
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.			
	Excessive quantities in series connection of the product	Reduce the quantities of the product i series connection to meet requirement			
LED flicker.	Connection point fault.	Remove bad connection point.			
	Switching power supply failure.	Replace a new power supply.			
	Wrong Installation or use of products	Please follow the instructions			

🛕 Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation,waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters.Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

Statements and Recycling

Statements:

Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged. The parameters given in this manual are typical values and for reference only. All illustrations and drawings in this manual are for reference. This product is subject to change without notice.

Recycling:

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.



+86-28-8148 0011

• +86-28-8148 1258

sales@blueviewled.com

Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China. ZIP:610207 Web.:www.blueviewled.com