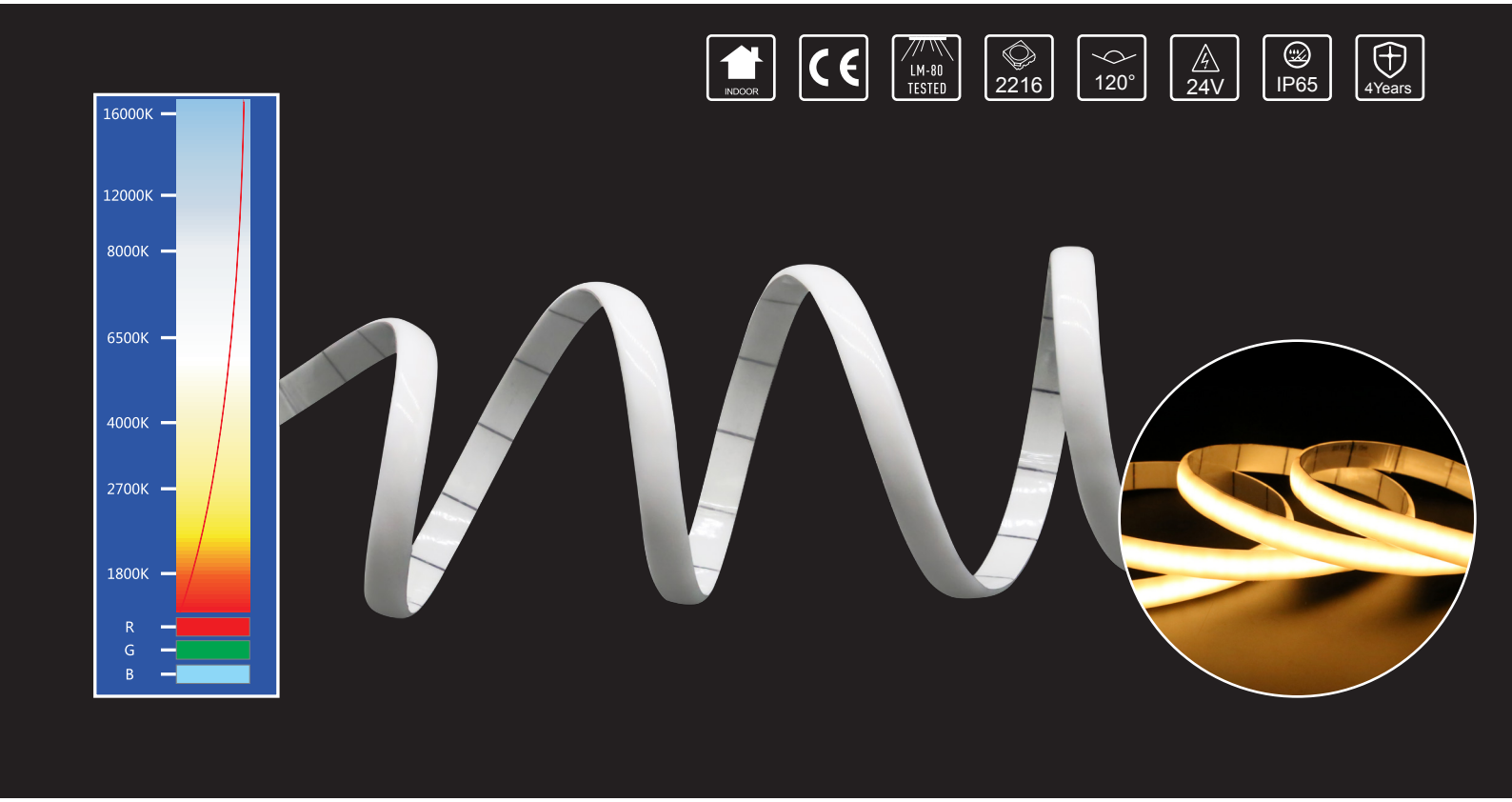
2216 LED STRIP LIGHT

FWSL2216-XXX-XX-X

BLUEVIEW



Features

1.Adopt unique silica gel material and high quality 2216 LEDs.
2.Great linear effect for uniform light,replace the traditional structure (light source + profile +PC cover) lighting products.
3.Small size,easy installing.
4.Beam angle 120°,CRI 90+.
5.Multiple color temperature optional.

Bending radius: Rmin=20mm

Application

Prop display rack industry lighting etc.

Installation

Fix 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

BLUEVIEW

Optical & Electrical Parameters

Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Typical Luminous Flux value(lm/m)	CRI	Efficacy (lm/W)	Voltage (V DC)	Power (W/m)
FWSL2216-300-24-6	W	2700	120°	682	90+	52	24	14.4
		3000		785		56		
		3500		798		56		
		4000		803		56		
		5000		882		60		
		6500		791		59		
FWSL2216-300-24-10	W	2700	120°	832	90+	48	24	18
		3000		861		50		
		3500		884		51		
		4000		979		56		
		5000		998		57		
		6500		984		56		

Temperature-Related Parameters(Normal Working)

Model No.	Power(W/m)	No Brightness Difference MAX(m)	UL Max Run (m)	T_A(˚C)	Operating Temp MAXTc(˚C)
FWSL2216-300-24-6	14.4	3	5.5	-20~+60˚C	95˚C
FWSL2216-300-24-10	18	5	4.5	-20~+60˚C	102˚C

Other Parameters

Model No.	LED Quantity(pcs/m)	Min Cuttable Length(mm)	Storage Temperature(˚C)
FWSL2216-300-24-6	300	20	-20~+70˚C
FWSL2216-300-24-10	300	20	-20~+70˚C

NOTE:

1. Test environment temperature : 25±2°C.
2. Figures above are typical figures. Actual figures could be different with typical figures, and the data is subject to change without notice.
3. The luminous flux is tested with corresponding color light on.
4. Different color temperature or wavelength will make luminous flux different.
5. The Luminous efficiency is measured value.
6. Max run is in single feed.
7. UL max run refers to operating length at UL class II @100W.24V.
8. The luminous flux and power tolerance within ±10%.
9. Cutting marks see profile drawing below.

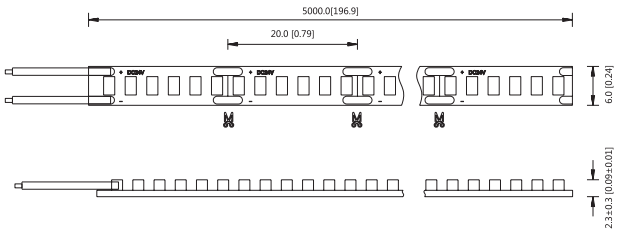
+86-28-8148 0011
+86-28-8148 1258
sales@blueviewled.com
Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China.
ZIP:610207 Web.:www.blueviewled.com

BLUEVIEW

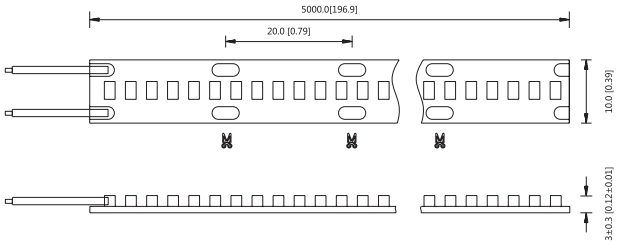
Profile Drawings

Unit:mm[inch]

FWSL2216-300-24-6



FWSL2216-300-24-10



Operating Length VS. Electrical Parameters

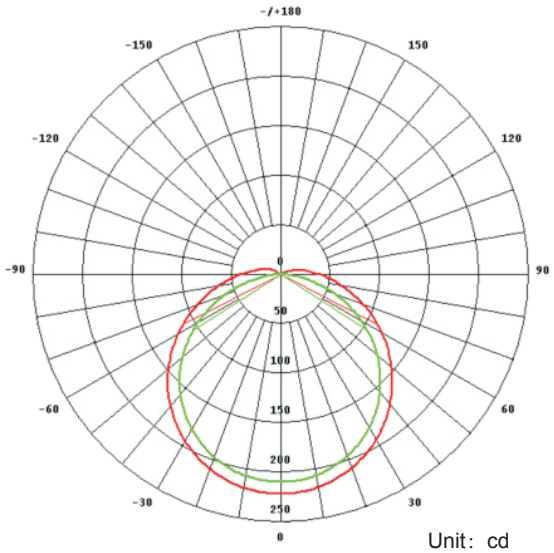
FWSL2216-300-24-6	Operating Length(m)			
Parameters	1	2	3	4
Operating Voltage (DC V)	24	24	24	24
Total Current(A)	0.58	1.1	1.45	2.12
Total Power(W)	13.92	26.4	34.8	50.88
Head voltage(V)	29.92	23.87	23.82	23.77
Tail voltage(V)	23.72	23.18	22.34	20.59
Head Current(mA)	11.66	11.5	11.41	11.37
Tail Current(mA)	11.42	10.62	9.44	6.94
Head-to-tail Voltage Drop Rate(%)	0.84	2.89	6.21	13.38
Head-to-tail Current Drop Rate(%)	2.06	7.65	17.27	38.96
Single or Double Feed	Single Feed	Single Feed	Single Feed	Single Feed

+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

BLUEVIEW

FWSL2216-300-24-10	Operating Length(m)				
Parameters	1	2	3	4	5
Operating Voltage (DC V)	24	24	24	24	24
Total Current(A)	0.77	1.5	2.12	2.8	3.3
Total Power(W)	18.48	36	50.88	67.2	79.2
Head voltage(V)	23.93	23.84	23.75	23.73	23.69
Tail voltage(V)	23.84	23.54	22.98	22.75	22.15
Head Current(mA)	15.44	15.26	15.18	15.24	15.13
Tail Current(mA)	15.39	14.79	13.68	13.21	12.15
Head-to-tail Voltage Drop Rate(%)	0.38	1.26	3.24	4.13	6.5
Head-to-tail Current Drop Rate(%)	0.32	3.08	9.88	13.32	19.69
Single or Double Feed	Single Feed	Single Feed	Single Feed	Single Feed	Single Feed

Luminous Intensity Distribution Diagram



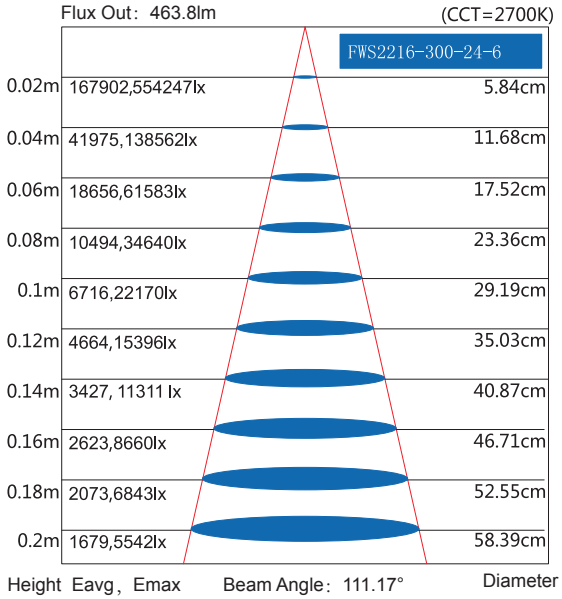
Unit：cd
C0 /180,125.3°
C90/270,114.7°

AVERAGE BEAM ANGLE(50%)：120.0°

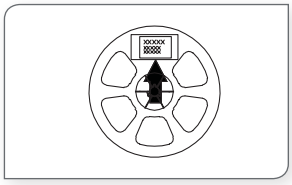
+86-28-8148 0011
+86-28-8148 1258
sales@blueviewled.com
Add:No.1000,Section 2,2nd Konggang Road, Southwest Aviation Industrial Development Zone,Chengdu,Sichuan,China.
ZIP:610207 Web.:www.blueviewled.com

BLUEVIEW

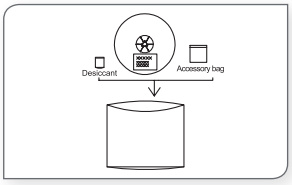
Average Illumination



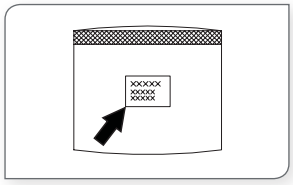
packing



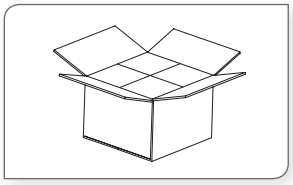
Label the reel;



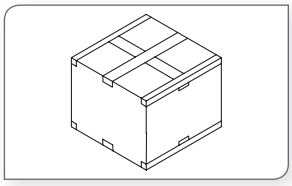
Put reel, accessory bag and desiccant together into static shielding bag;



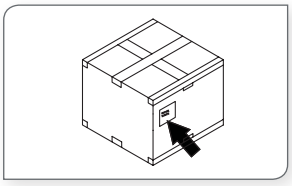
Seal and label the static shielding bag;



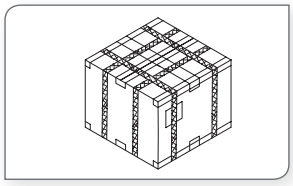
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



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

+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

BLUEVIEW

Packaging information

Model No.	Product Size L*W(mm)	Carton Size(mm)	Meter/Reel	Reel/Carton	Net Weight(kg)	Gross Weight(kg)
FWSL2216-300-24-6	5000X6	550X400X340	5	120	12.6(1±10%)	17.8(1±10%)
FWSL2216-300-24-10	5000X10	550X400X340	5	80	13.6(1±10%)	18.5(1±10%)

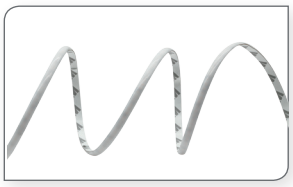
Note:

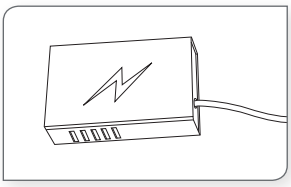
Five meters for a reel and packed in a static shielding bag.

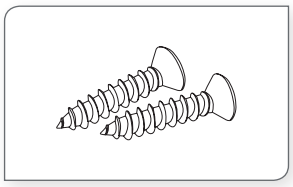
The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

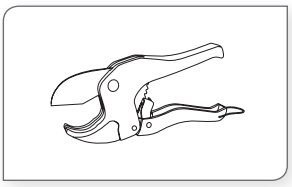
Installation

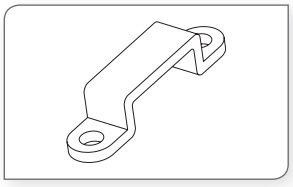
1.Products and Tools

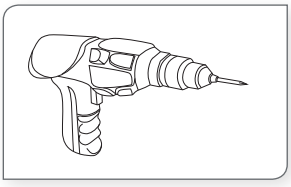

FWSL2216-XXX-XX-X


LED power supply


Self-tapping screw


Cutting tool


Clips

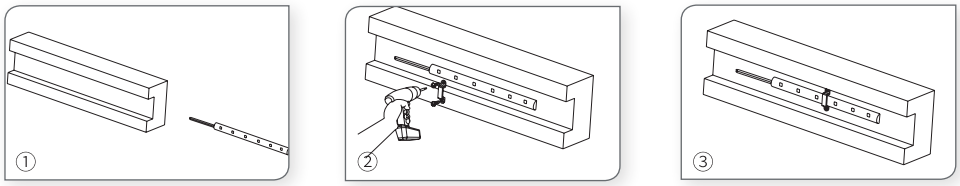

Electric drill

+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

BLUEVIEW

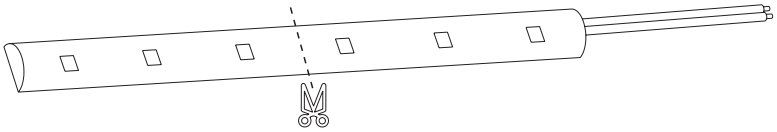
2.Installation Methods and Steps

Covered channel installation

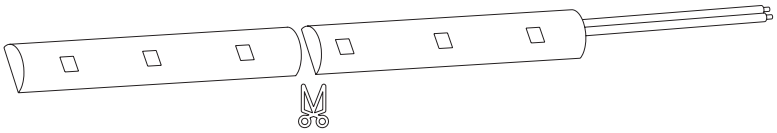


1. Determine the installation position.
2. Evenly arrange the strips with appropriate space in the track and fix them with clips.
3. Installation finished, as shown above,then power on for test

Cutting steps



Find the the cuttable mark



Please cut at the cuttable mark,keep shear level,then power on for test

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.

+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

BLUEVIEW

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Power 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.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	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 ±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 in 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