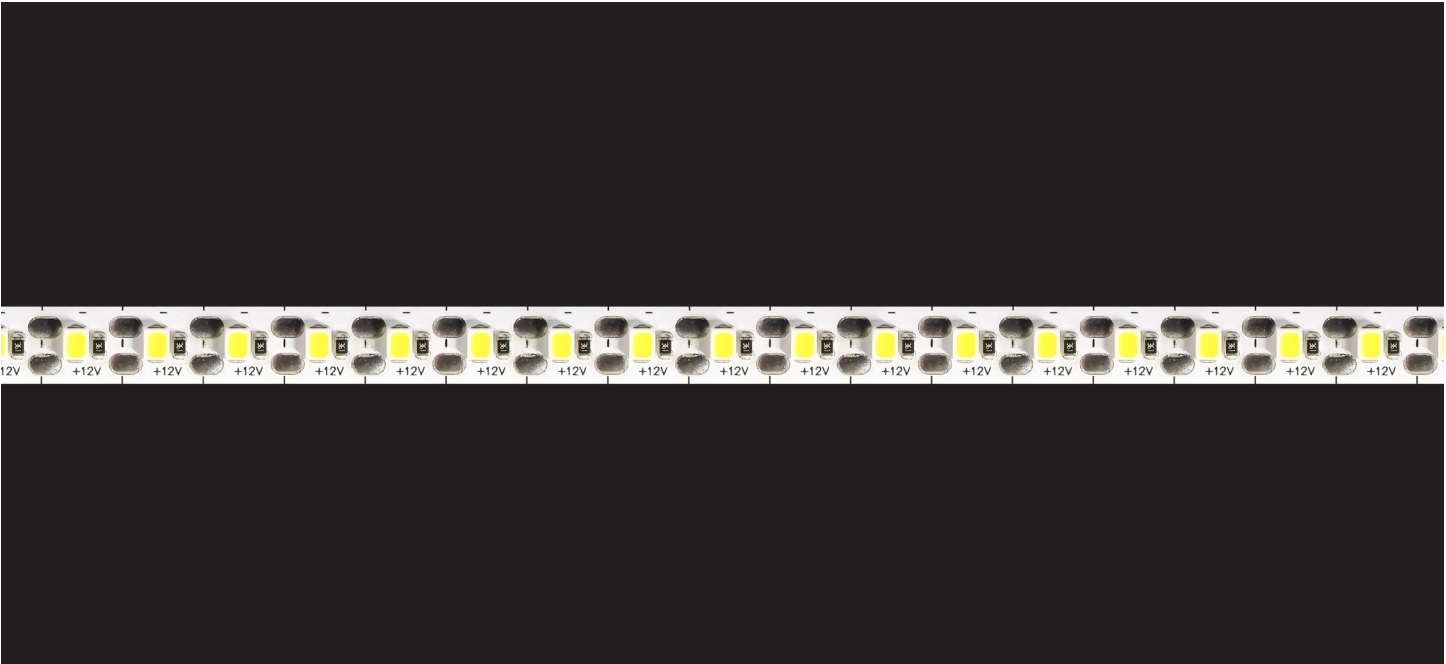


LED

STRIP LIGHT

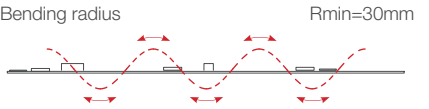
F2-V-2835-XXX-XX





Features

- Mini cut unit up to 8.33mm
- Support multiple production processes
- Cuttable and support customization



Application

- Suitable for lightboxes, cabinets, lighting fixtures, props lighting, auxiliary lighting, etc

Installation

- Fixed by 3M self adhesive tape

Optical & Electrical Parameters

Model No.	Voltage(DC)	Ra	Color	LM/m	LM/W	W/m
F2-V-2835-60-12/24	12 / 24V	>80	2700K	1025	95	10.8
			3000K	1025	95	
			4000K	1130	105	
			6500K	1130	105	
			10000K	1080	100	
			20000K	970	90	
F2-V-2835-60-12/24	12 / 24V	--	R	75	7	10.8
			G	690	64	
			B	150	14	
			RO	280	26	
			IB	810	75	
			Y	1025	95	
			O	420	39	

Model No.	Voltage(DC)	Ra	Color	LM/m	LM/W	W/m
F2-V-2835-120-12/24	12 / 24V	>80	3000K	1365	95	14.4
			4000K	1510	105	
			6500K	1510	105	
			10000K	1440	100	
			20000K	1295	90	
F2-V-2835-120-12/24	12 / 24V	--	R	100	7	14.4
			G	920	64	
			B	200	14	
			RO	375	26	
			IB	1080	75	
			Y	1365	95	
			O	560	39	

Other Parameters

Model No.	F2-V-2835-60-12	F2-V-2835-60-24	F2-V-2835-120-12	F2-V-2835-120-24
LED QTY (pcs/m)	60	60	120	120
Standard Packing Length (m)	5.0	5.0	5.0	5.0
Max Run(m)	2.5	5.0	2.0	4.0
Max Working Temperature TC (°C)	80	80	80	80
Working Temperature (°C)	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temperature (°C)	-20~+70	-20~+70	-20~+70	-20~+70

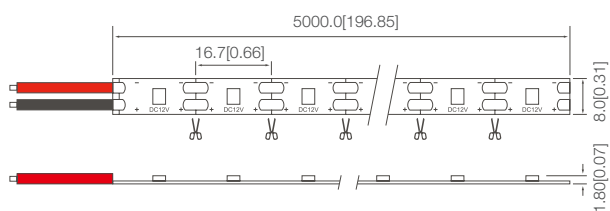
NOTE:

- Test environment temperature is 25±2°C.
- The above data was measured under standard conditions and actual data may be different. We would update data without further notice.
- The above luminous flux data is based corresponding light color.
- If the selected LED chip is different, the color temperature and luminous flux will change accordingly.
- *Typical luminous flux and power error are ± 10%.
- *The Max run length is based on one end power feed.
- *If the product power is greater than 15W, auxiliary heat dissipation appliances must be added.

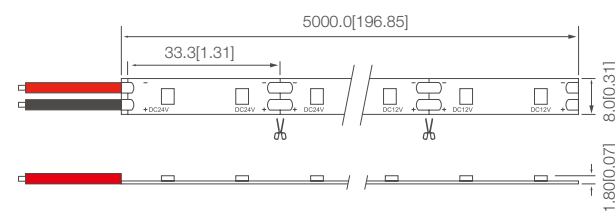
Profile Drawings

Unit: mm [inch]

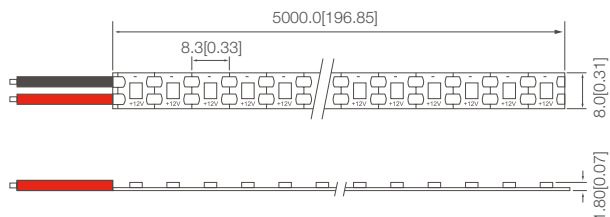
F2-V-2835-60-12



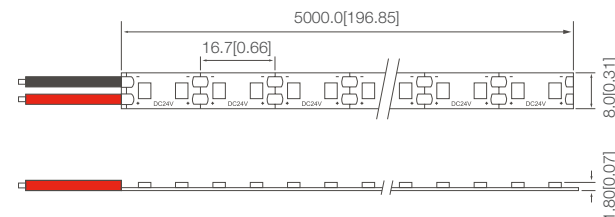
F2-V-2835-60-24



F2-V-2835-120-12



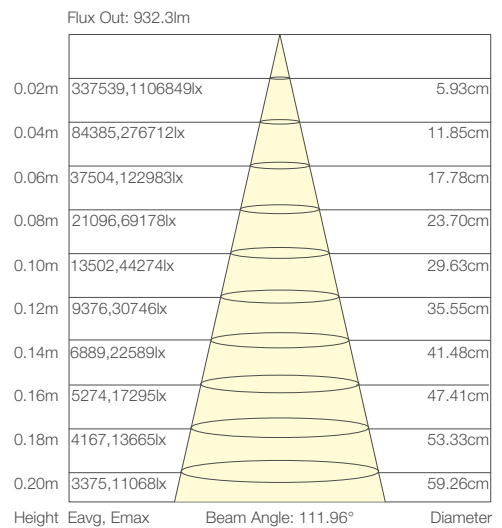
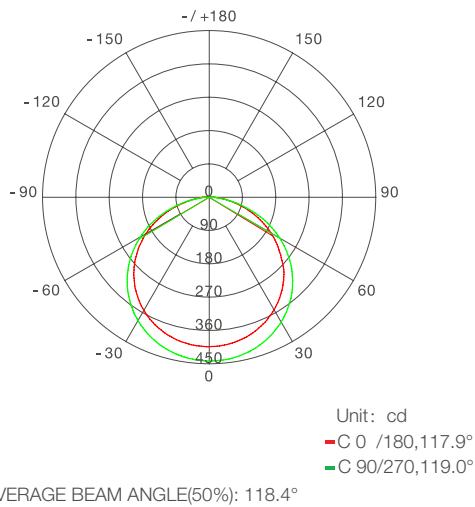
F2-V-2835-120-24



Note: for more info, please contact sales rep.

Luminous Intensity Distribution Diagram

Average Illumination



Note: above data tested with F2-V-2835-60-24. For other data, please consult sales rep.

Recommended power supply upon working length

F2-V-2835-60-12

Operating Length (m)	1	2	3	4	5
Operation Voltage (DC V)	12.0	12.0	12.0	12.0	12.0
Total current (A)	0.90	1.69	2.29	2.74	3.05
Total Power (W)	10.80	20.80	27.48	32.88	36.60
Head voltage (DC V)	12.00	12.00	12.00	12.00	12.00
Tail voltage (DC V)	11.87	11.55	11.12	10.65	10.17
Head current (mA)	15.00	15.00	15.00	15.00	15.00
Tail current (mA)	14.49	13.43	11.66	9.98	8.07
Head-to-tail voltage drop rate(%)	1.08	3.75	7.33	11.25	15.25
Head-to-tail current drop rate(%)	3.40	10.50	22.30	33.50	44.20
Single/Double feed	Single feed	Single feed	Double feed	Double feed	Double feed

F2-V-2835-60-24

	1	2	3	4	5
	24.0	24.0	24.0	24.0	24.0
	0.51	1.01	1.47	1.89	2.24
	12.45	24.38	35.44	45.40	53.92
	24.00	24.00	24.00	24.00	24.00
	23.91	23.70	23.36	22.92	22.43
	15.00	15.00	15.00	15.00	15.00
	14.90	14.31	13.94	13.07	12.29
	0.38	1.25	2.67	4.50	6.54
	0.70	4.62	7.07	12.87	18.70
	Single feed	Single feed	Single feed	Single feed	Single feed

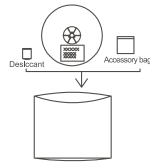
Reliability test

Project	Reference standards	Category	Test conditions	Outcome
Environmental test	Blueview standard	PTC test	TH=-40-60°C/2h, cycle once (temperature holding time 15 minutes) , heating and cooling time 45 minutes)	Pass
		High temperature resistance test	Simulated TH=60/80°C, continuous power on	
		Room temperature aging test	TH=25 °C, continuous power on	

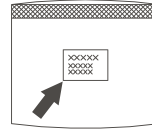
Packaging Information



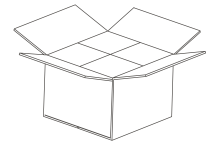
Label the reel;



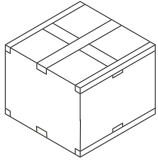
Put reel, accessory bag and desiccant together into static shielding bag;



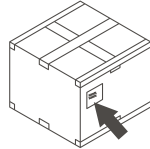
Seal and label the static shielding bag;



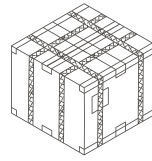
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



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

Packaging information

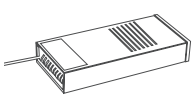
Model No.	Product Size L*W	Carton Size	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
F2-V-2835-60-12/24	5000*8mm	550*400*340mm	5	100	8.06 (1±10%)	12.68 (1±10%)
F2-V-2835-120-12/24	5000*8mm	550*400*340mm	5	100	8.36 (1±10%)	12.98 (1±10%)

NOTE:

Each roll (5m per roll) is loaded onto a reel, and each reel is packed in an aluminum foil bag.

The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

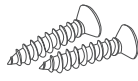
Installation



LED power supply



Diagonal pliers



Screw



Insulation Tape



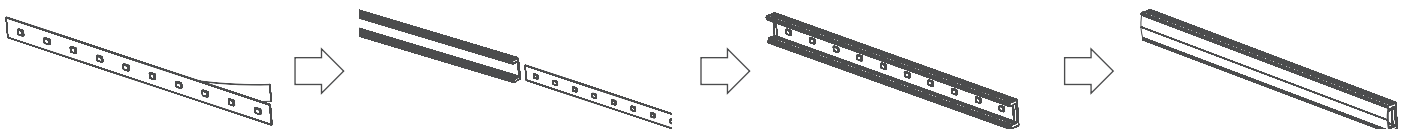
Clips



Electric drill

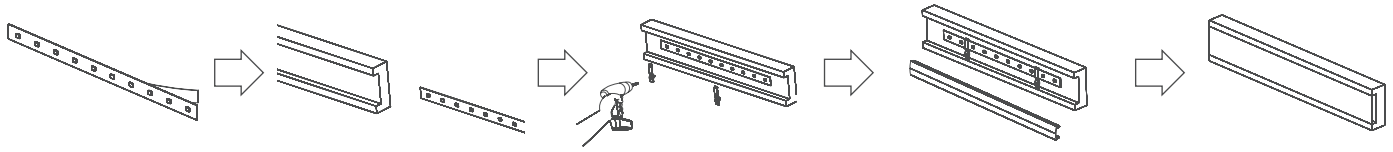
Installation Methods and Steps

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. Finished

Attentions before installation

- Before installation, please check whether the parameters of the product are consistent with the requirements (Seeing the Product Specification or Label).
- The voltage, current, and power of the power supply and load used must be consistent with this product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Product wires must be correctly connected to the positive and negative terminals of the power output, otherwise the light will not turn on.
- The power cord should be tightly screwed into the terminal, with a recommended tightness that cannot be pulled out by hand.
- The connection terminals must be effectively waterproof and corrosion-resistant.

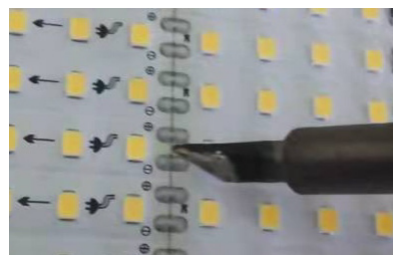
Warning

- 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.

Precautions for using soldering iron



Use a temperature-controlled soldering iron set between 250°C to 260°C.



Apply solder to the iron tip, then quickly solder the desired spot on the PCB. Limit contact to the PCB to 3 seconds with a temperature-controlled iron and 2 seconds with a non-temperature-controlled iron to prevent damage.

Version	Content	Date
A1.0	First release	2023-11-8

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