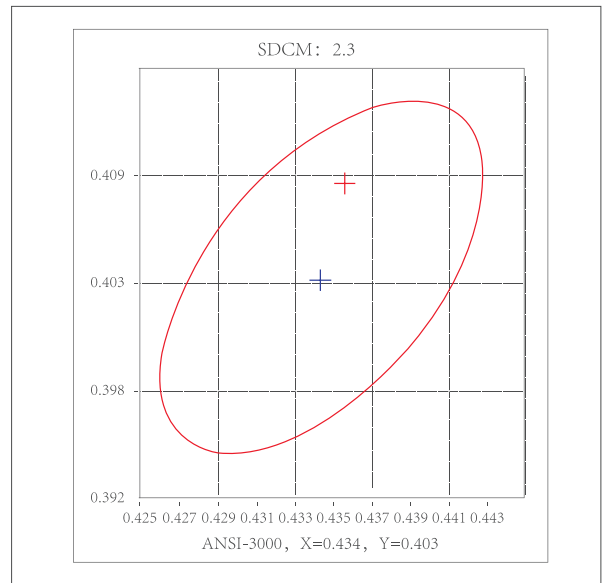
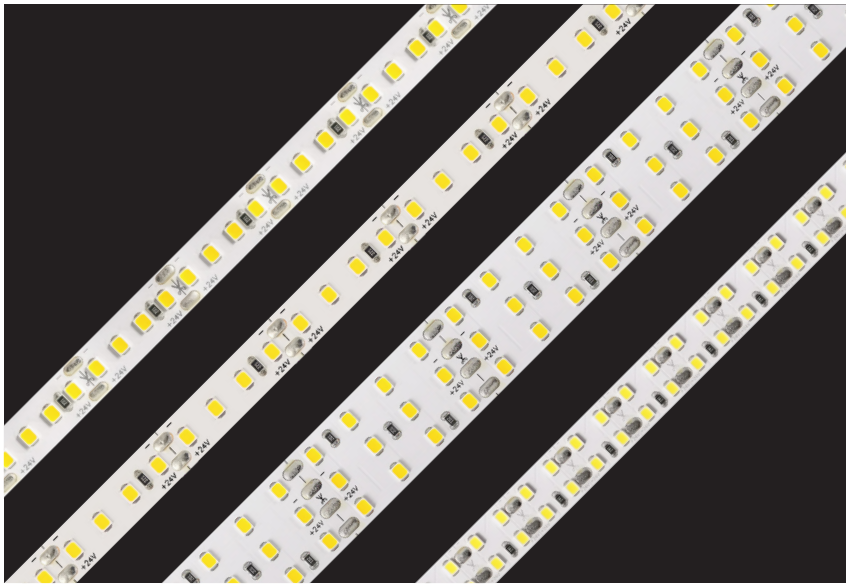


LED

STRIP LIGHT

FN-H2835V-XXX-XX





Note: the figure above is the FNH2835V-64-24 tested at a color temperature of 3000K

Features

- Color consistency : SDCM <3;
- High light efficiency, Ra 90+ @ 150+lm/W;
- 2cm ultra-short cut length;;
- Support a variety of production processes, spray glue coated, glue tube, silicone tube waterproof and etc;
- Multiple specifications are available, support customization;
- Support PWM, 0-10V, DALI and DMX dimming;



Installation

- Fix with 3M adhesive.

Optical & Electrical Parameters

Model No.	Voltage	Ra	CCT	LM/m	LM/W	Energy efficiency class	W/m
FN-H2835V-64-24	24V DC	>90	2200 K	1010	132	E	7.68
			2500 K	1135	148	D	
			2700 K	1180	154	D	
			3000 K	1195	156	D	
			3500 K	1210	158	D	
			4000 K	1240	162	D	
			5000 K	1225	160	D	
			6500 K	1225	160	D	
FN-H2835V-80-24	24V DC	>90	2200 K	1265	132	E	9.60
			2500 K	1420	148	D	
			2700 K	1475	154	D	
			3000 K	1495	156	D	
			3500 K	1515	158	D	
			4000 K	1550	162	D	
			5000 K	1535	160	D	
			6500 K	1535	160	D	

Model No.	Voltage	Ra	CCT	LM/m	LM/W	Energy efficiency class	W/m
FN-H2835V-128-24	24V DC	>90	2200 K	1495	130	E	11.52
			2500 K	1670	140	D	
			2700 K	1690	145	D	
			3000 K	1750	150	D	
			3500 K	1820	150	D	
			4000 K	1840	152	D	
			5000 K	1820	152	D	
			6500 K	1820	152	D	
FN-H2835V-160-24	24V DC	>90	2200 K	1870	130	E	14.40
			2500 K	2070	144	E	
			2700 K	2100	146	D	
			3000 K	2160	150	D	
			3500 K	2240	156	D	
			4000 K	2300	160	D	
			5000 K	2270	158	D	
			6500 K	2270	158	D	
FN-H2835V-192-24	24V DC	>90	2200 K	2245	130	E	17.28
			2500 K	2450	142	E	
			2700 K	2520	146	D	
			3000 K	2620	152	D	
			3500 K	2690	156	D	
			4000 K	2730	158	D	
			5000 K	2690	156	D	
			6500 K	2690	156	D	
FN-H2835V-240-24	24V DC	>90	2200 K	2800	130	E	21.60
			2500 K	3100	144	E	
			2700 K	3190	148	D	
			3000 K	3280	152	D	
			3500 K	3450	160	D	
			4000 K	3450	160	D	
			5000 K	3450	160	D	
			6500 K	3410	158	D	
FN-H2835V-288-24	24V DC	>90	2200 K	3360	130	E	25.92
			2500 K	3730	144	E	
			2700 K	3830	148	D	
			3000 K	3930	152	D	
			3500 K	4140	160	D	
			4000 K	4140	160	D	
			5000 K	4140	160	D	
			6500 K	1090	158	D	

Other Parameters

Model No.	LED QTY	Standard Run	Max Run	Working Temperature	Storage Temperature
FN-H2835V-64-24	64 pcs/m	5.0m	6.0m	-20~+60 °C	-20~+70 °C
FN-H2835V-80-24	80 pcs/m	5.0m	5.0m		
FN-H2835V-128-24	128 pcs/m	5.0m	4.5m		
FN-H2835V-160-24	160 pcs/m	5.0m	4.0m		
FN-H2835V-192-24	192 pcs/m	5.0m	3.0m		
FNH2835V-240-24-12mm	240 pcs/m	5.0m	2.5m		
FNH2835V-240-24-14mm	240 pcs/m	5.0m	4.0m		
FN-H2835V-288-24	288 pcs/m	5.0m	3.0m		

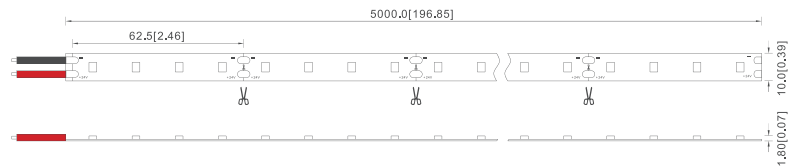
NOTE:

- 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 on single-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.
- *The working temperature is the temperature range with an aluminum slot for heat dissipation. Without the aluminum slot, the working temperature range is -20~50°C.
- *If the product power is greater than 15W, auxiliary heat dissipation appliances must be added.

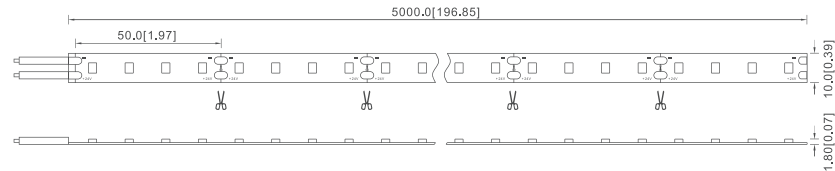
Profile Drawings

Unit: mm [inch]

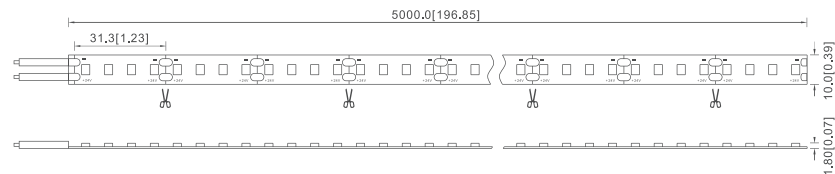
FN-H2835V-64-24



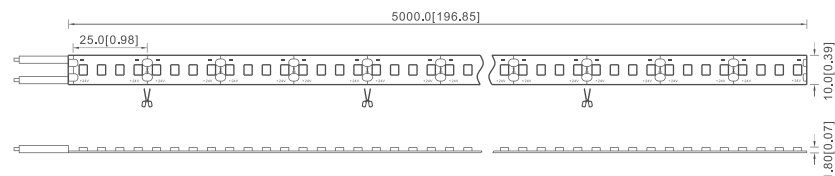
FN-H2835V-80-24



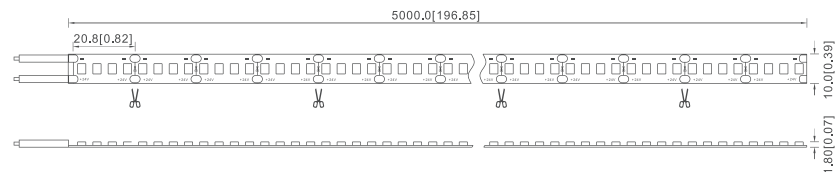
FN-H2835V-128-24



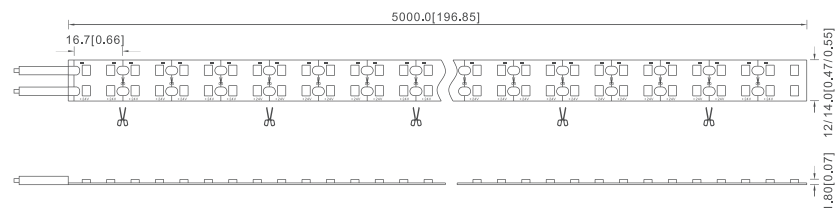
FN-H2835V-160-24



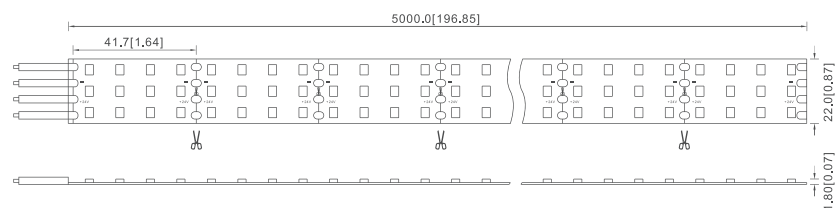
FN-H2835V-192-24



FN-H2835V-240-24



FN-H2835V-288-24

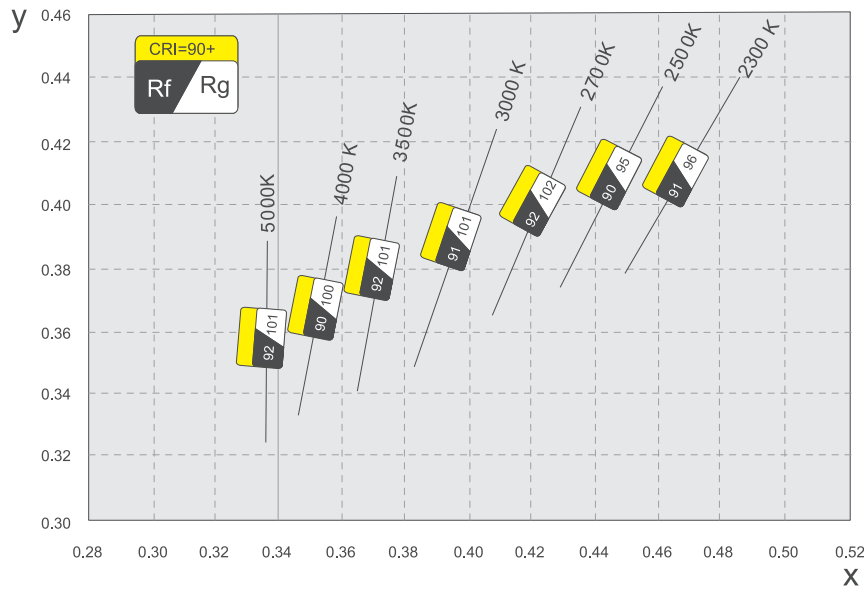


Note:

Dimension tolerance: length $\pm 6\text{mm}$ [0.24inch]; width $\pm 0.2\text{mm}$ [0.008inch]; thickness $\pm 0.2\text{mm}$ [0.008inch]

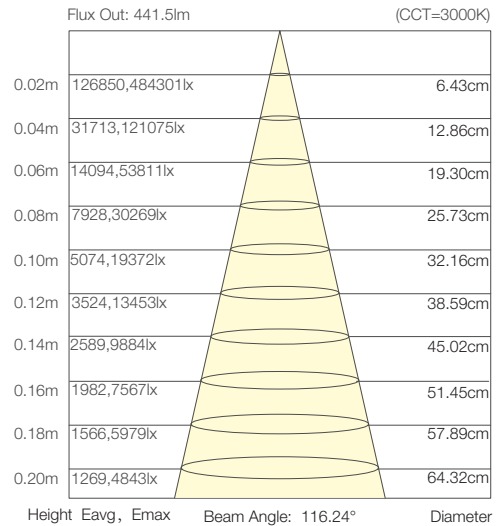
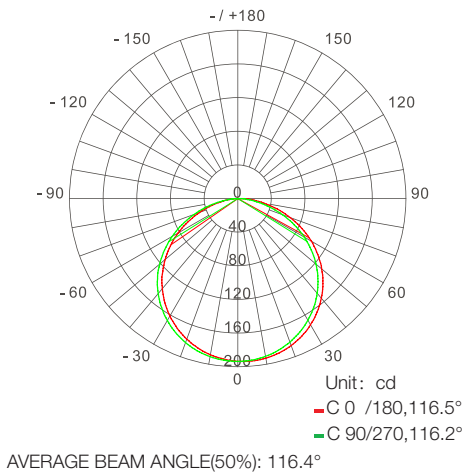
For more info, please contact sales rep.

TM-30



Luminous Intensity Distribution Diagram

Average Illumination



Note: above data tested with FNH2835V-64-24 0.5m at 3000K , for other data,please consult sales rep

Recommended power supply upon working length

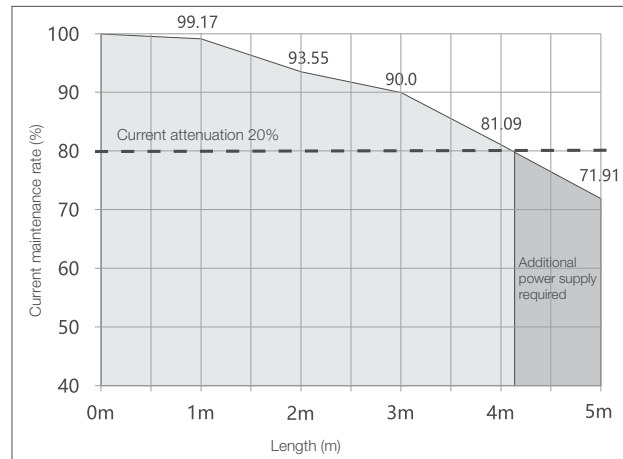
FN-H2835V-160-24

Operating Length (m)	1	2	3	4	5
Operation Voltage (DC V)	24.0	24.0	24.0	24.0	24.0
Total current (A)	0.58	1.12	1.60	2.04	2.32
Total Power (W)	13.92	26.88	38.40	48.96	55.68
Head voltage (DC V)	23.96	23.96	23.96	23.96	23.96
Tail voltage (DC V)	23.93	23.81	23.66	23.42	23.18
Head current (mA)	29.09	29.09	29.09	29.09	29.09
Tail current (mA)	28.85	27.21	26.18	23.59	20.92
Head-to-tail voltage drop rate(%)	0.13	0.63	1.25	2.25	3.26
Head-to-tail current drop rate(%)	0.83	6.45	10.00	18.91	28.09
Single/Double feed	Single feed	Single feed	Single feed	Single feed	Double feed

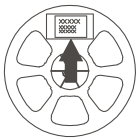
If the current drop rate exceeds 20%, extra power feed is needed (double feed);
For more info, please consult sales rep

Current maintenance rate & Power supply mode

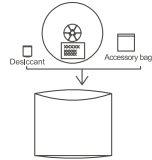
FN-H2835V-160-24



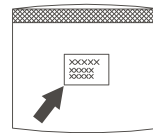
Packaging Information



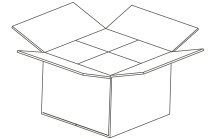
Label the reel;



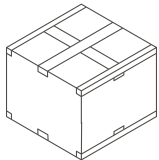
Put reel, accessory bag and desiccant together into static shielding bag;



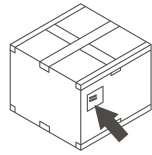
Seal and label the static shielding bag;



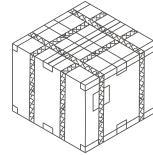
Put the packed static shielding bag into carton box;



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 (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
FN-H2835V-64-24	5000*10	550*400*340	20	80	6.92 (1±10%)	11.49 (1±10%)
FN-H2835V-80-24	5000*10	550*400*340	20	80	7.06 (1±10%)	11.68 (1±10%)
FN-H2835V-128-24	5000*10	550*400*340	20	80	7.36 (1±10%)	11.98 (1±10%)
FN-H2835V-160-24	5000*10	550*400*340	20	80	7.56 (1±10%)	12.18 (1±10%)
FN-H2835V-240-24	5000*12/14	550*400*340	20	70	6.62 (1±10%)	12.12 (1±10%)
FN-H2835V-288-24	5000*22	550*400*340	20	50	6.55 (1±10%)	10.90 (1±10%)

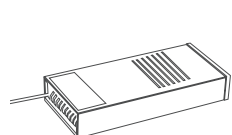
NOTE:

- 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 gross weights of all above model are less than volume weight, the volume weight is 14.96kg.

Reliability test

Project	Reference standards	Category	Test conditions	Outcome
Environmental test	Blueview standard	PTC test	TH = - 40 / 60°C for 15min, TH = - 40 / 60°C for 45min, one cycle every 2h, light on for 5min and light off for 5min	Pass
		High temperature resistant test	TH=60°C , continuous power on	
		Room temperature aging test	Ta = 25°C, continuous power on	

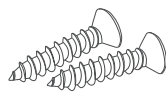
Installation



LED power supply



Cutter



Screw



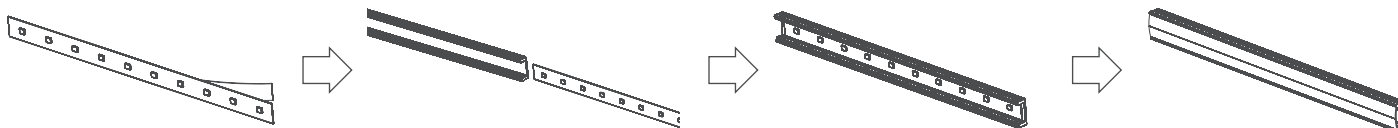
Electric drill



Clips

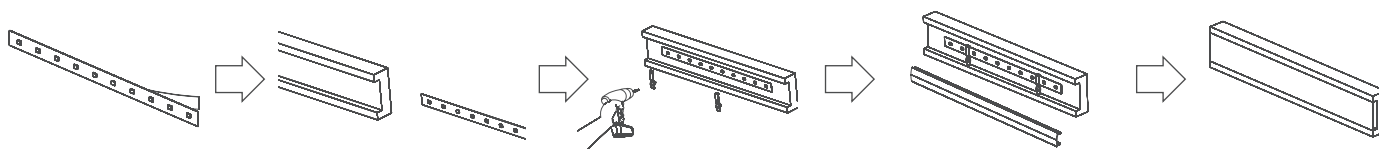
Installation Methods and Steps

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.

Version	Content	Date
A1.0	Update: Basic parameters, recommended power supply	2023-12-13

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