



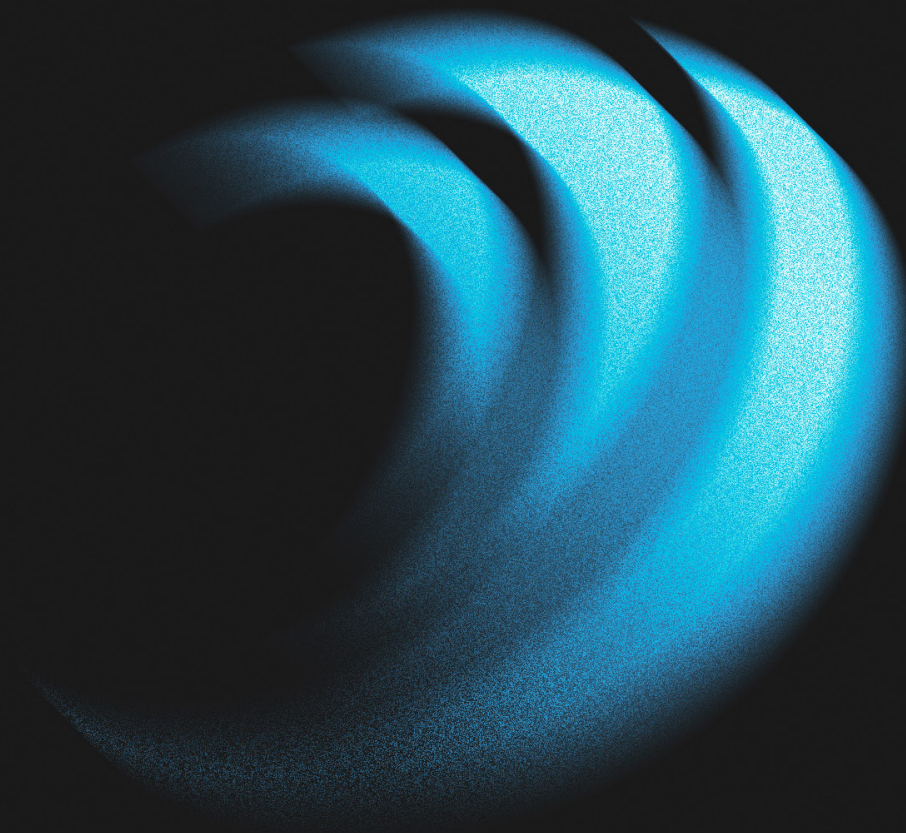
LED

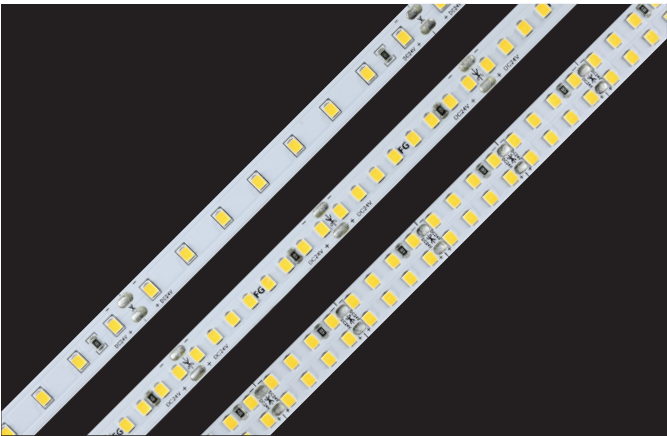
STRIP LIGHT

DC 24V

HIGH EFFICIENCY

FN-H2835ZG





FN-H2835ZG-XXX-24

HIGH EFFICIENCY

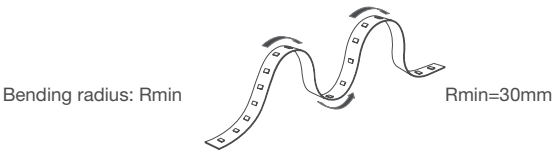
FEATURES

- CRI 90+, high brightness, and high efficiency (≥ 180 lm/W)
- Excellent attenuation performance with long chip lifespan
- Rolled copper material with flexible structure allows bending
- 0–100% dimming range, compatible with PWM, DALI, 0–10V dimming methods
- Cuttable design for flexible installation
- Multiple specifications, support customization



DIMENSION

Input voltage: DC 24V	Tape IP: IP20
CRI: >90	Warranty: 5years
Rated power: 14.4-43.2W	Working temperature: -20~+60°C
Power error range: $\pm 10\%$	Storage temperature: -25~+70°C



OPTICAL & ELECTRICAL PARAMETERS

Model No.	Voltage	CRI	Color	CCT(K)	Lm/m	Lm/W	W/m
FN-H2835ZG-80-24	24V DC	>90	White	2700	2548	177	14.4
				3000	2592	180	
				3500	2606	181	
				4000	2621	182	
				5000	2621	182	
				6500	2650	184	
FN-H2835ZG-160-24	24V DC	>90	White	2700	4588	177	25.9
				3000	4665	180	
				3500	4691	181	
				4000	4717	182	
				5000	4717	182	
				6500	4769	184	
FN-H2835ZG-288-24	24V DC	>90	White	2700	7646	177	43.2
				3000	7776	180	
				3500	7819	181	
				4000	7862	182	
				5000	7862	182	
				6500	7949	184	

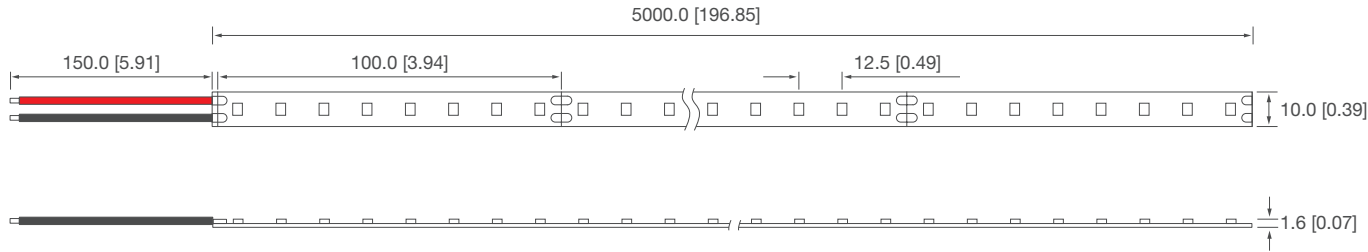
OTHER PARAMETERS

Model No.	LED Qty (pcs/m)	Standard Packing Length (m)	Max Run (m)	Min. Cutting Unit (mm)	LED Pitch (mm)
FN-H2835ZG-80-24	80	5	5	100	12.5
FN-H2835ZG-160-24	160	5	4	50	6.3
FN-H2835ZG-288-24	240	5	3	27.8	6.9

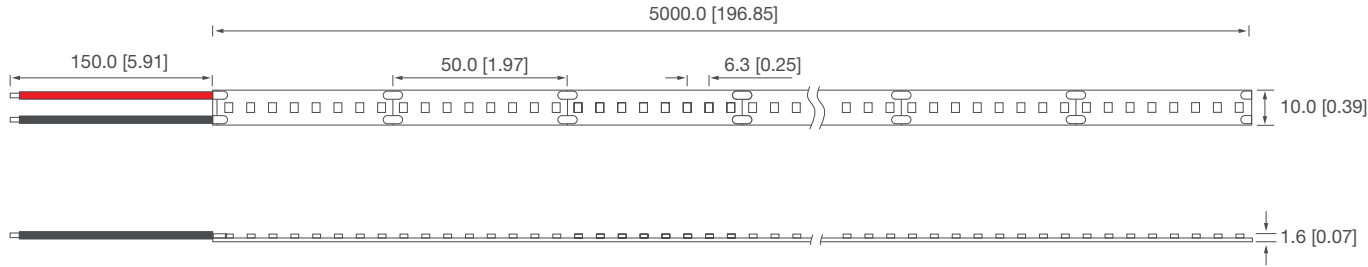
PROFILE DRAWINGS

Unit: mm[inch]

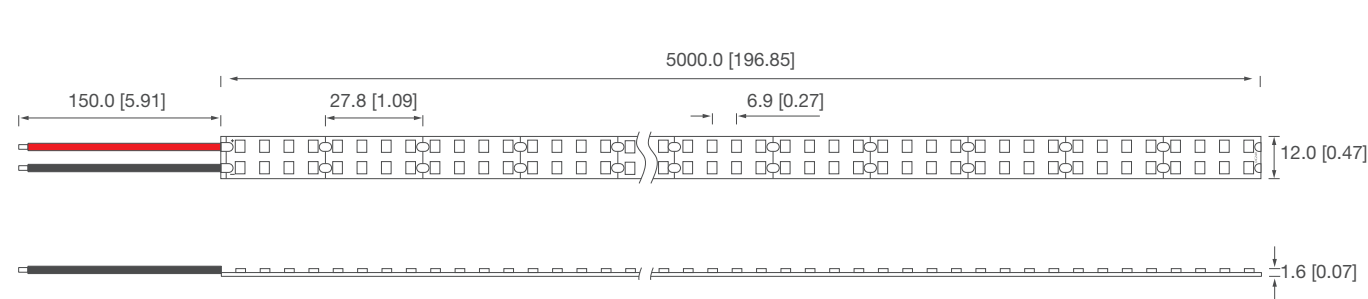
FN-H2835ZG-80-24



FN-H2835ZG-160-24

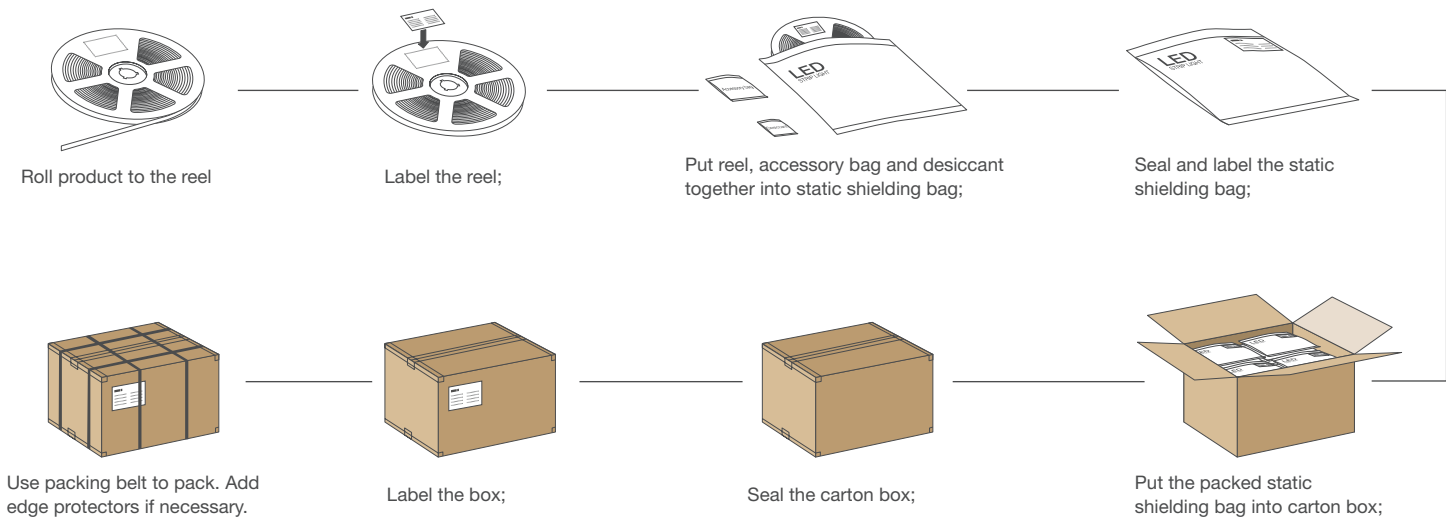


FN-H2835ZG-288-24



Note:
tolerances: 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.

PACKAGING INFORMATION

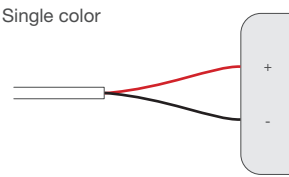


Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
FN-H2835ZG-80-24	5000*10	550*400*340	5	100	8.06(1±10%)	12.69(1±10%)
FN-H2835ZG-160-24	5000*10	550*400*340	5	100	8.56(1±10%)	13.19(1±10%)
FN-H2835ZG-288-24	5000*12	550*400*340	5	80	9.95(1±10%)	13.55(1±10%)

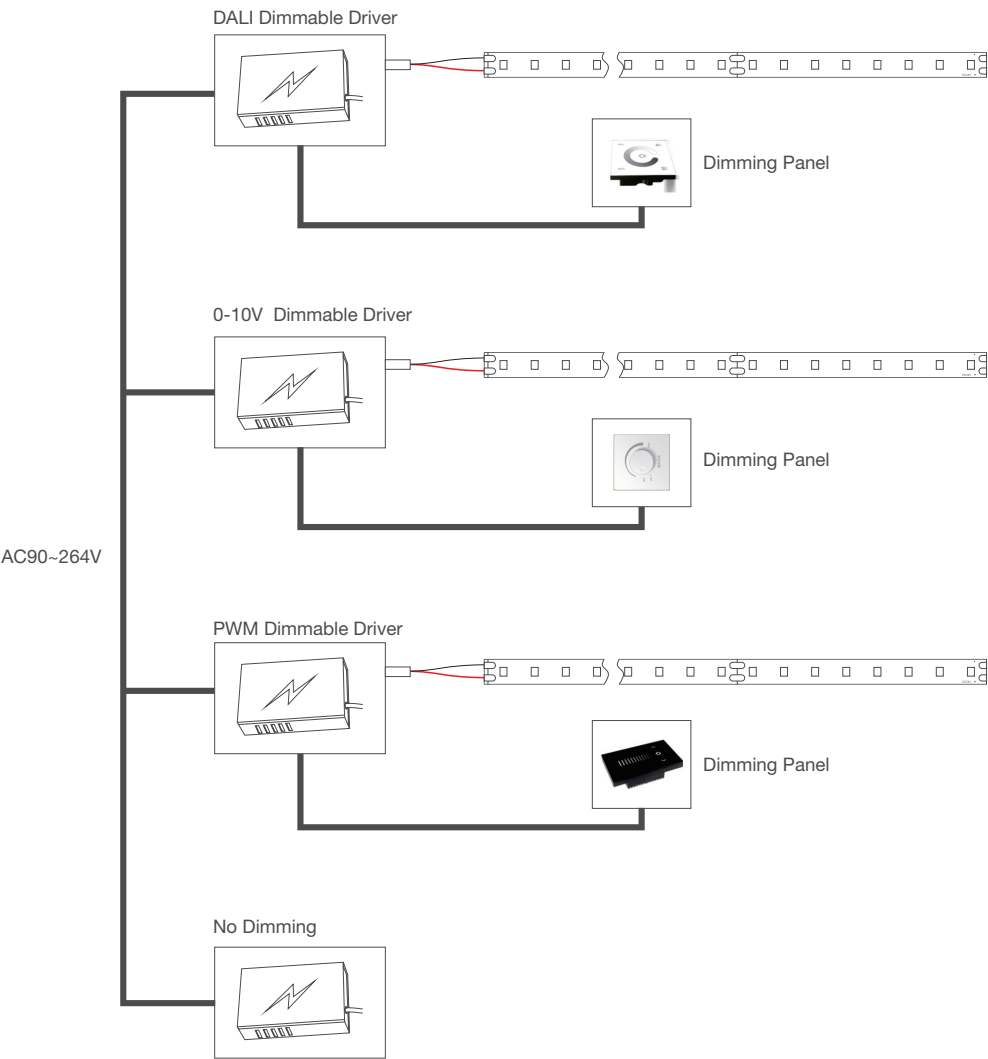
Note:

- One piece(5m) per reel, and the reel is packed in a bag, and finally put in a carton.
- 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.

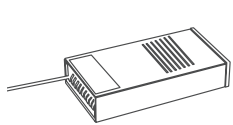
WIRING DIAGRAM



SUPPORTED DIMMING METHODS AND WIRING DIAGRAM



INSTALLATION TOOLS



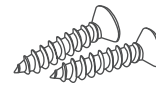
LED power supply



Cutter



Electric drill



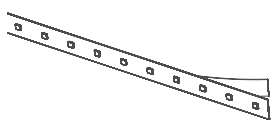
Screw



Clips

INSTALLATION METHODS AND STEPS

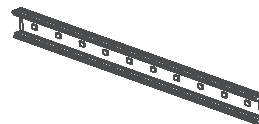
Aluminum channel installation



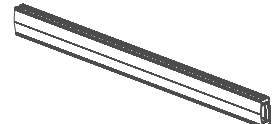
Peel away the self adhesive tape on the back of strip.



Cut off the excess part based on the installation position.

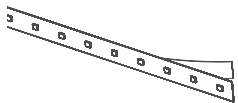


Evenly arrange the strips with appropriate space in the track.

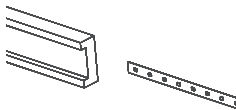


Install the cover and end cap.

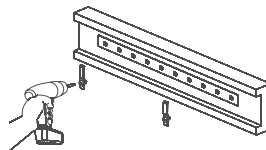
Covered channel installation



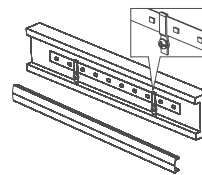
Peel away the self adhesive tape on the back of strip.



Cut off the excess part based on the installation position.



Evenly arrange the strips with appropriate space in the track and fix them with clips.



Install the cover and end cap.



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.
- **The product is high-power and requires proper heat management—e.g., using aluminum profiles with excellent heat dissipation—to ensure reliable operation and long life.**

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
C1.1	First release	2025-9-22

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