

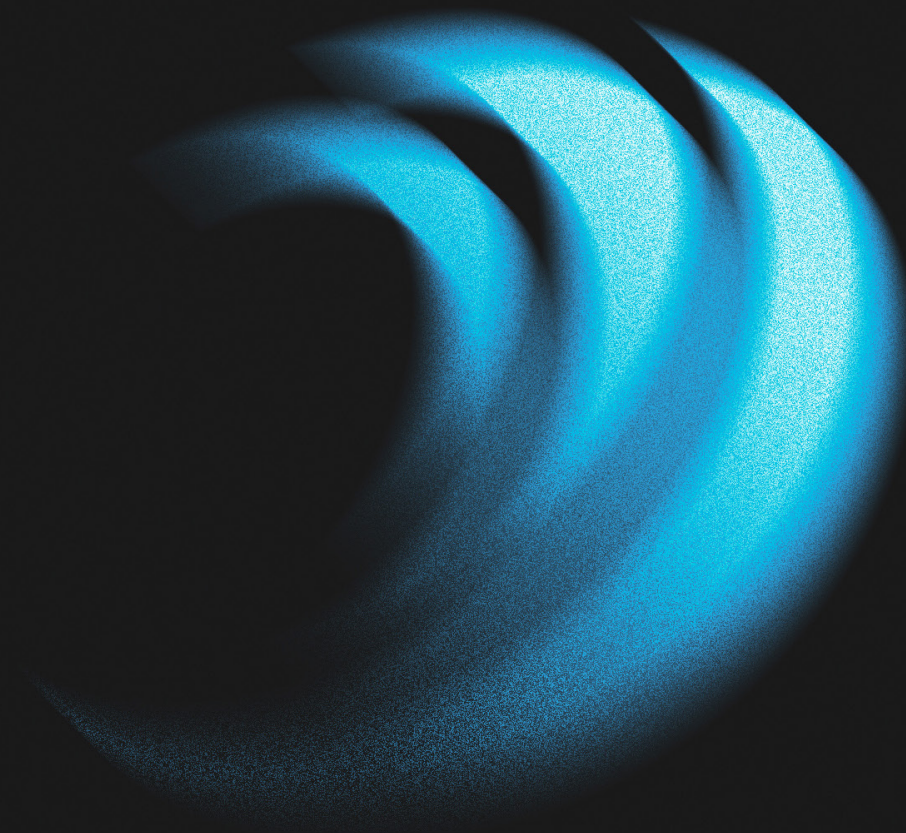


LED

STRIP LIGHT MN-G2219C

DC 24V

MINI Series





MN-G2219C-XXX-24

MINI Series

FEATURES

- 5mm mini PCB width;
- RGB strip, can create rich light changes via a controller;
- Support PWM dimming
- Cuttable and support customization;

DIMENSION

Input voltage: DC 24V	Tape IP: IP20
Ra: >90	Warranty: 3years
Rated power: 7.68W	Working temperature: -20~+60°C
Power error range: ±10%	Storage temperature: -20~+70°C



OPTICAL & ELECTRICAL PARAMETERS

Model No.	Voltage	Ra	Color	CCT(K)	Lm/m	Lm/W	W/m
MN-G2219C-160-24	24V DC	>90	W	4000K	1075	140	7.68

OTHER PARAMETERS

Model No.	LED Qty (pcs/m)	Standard Packing Length (mm)	Max Run (m)	Min. cutting unit (mm)	LED pitch (mm)
MN-G2219C-160-24	160	5000	6	6.3	6.3

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 corresponding light color.
- If the selected LED chip is different, the color temperature and luminous flux will change accordingly.

*Typical luminous flux error is ± 10%.

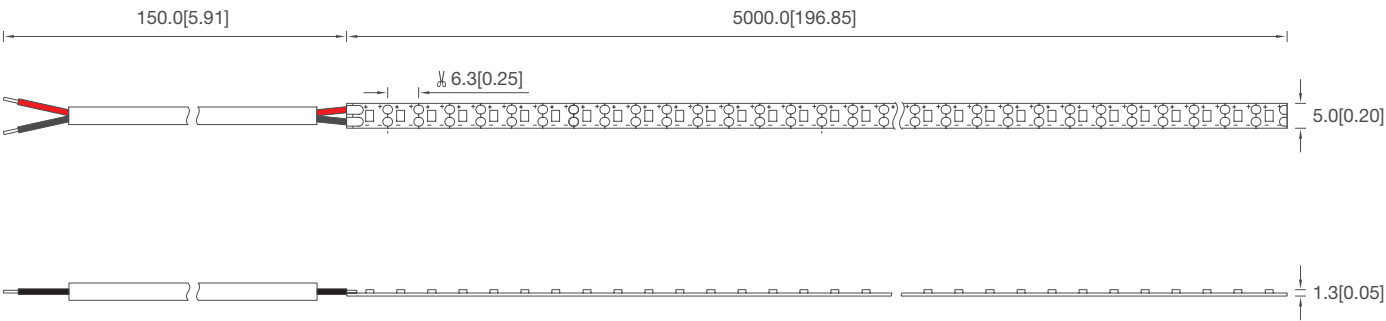
*The Max run length is based on one end power feed.

PRODUCTION PROCESS

IP Process	IP Rating	Picture description	Diagram
N ▶	IP20	Non-waterproof	
WP ▶	IP64	Spray Glue Coated	
WS ▶	IP65	Thick Glue Coated(WS)	
WT ▶	IP67	Tube Waterproof(WT)	

PROFILE DRAWINGS

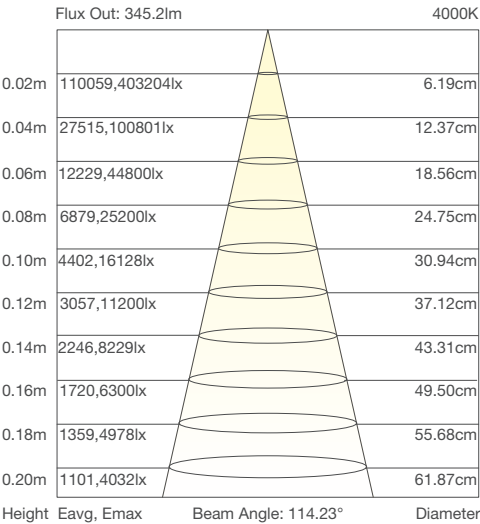
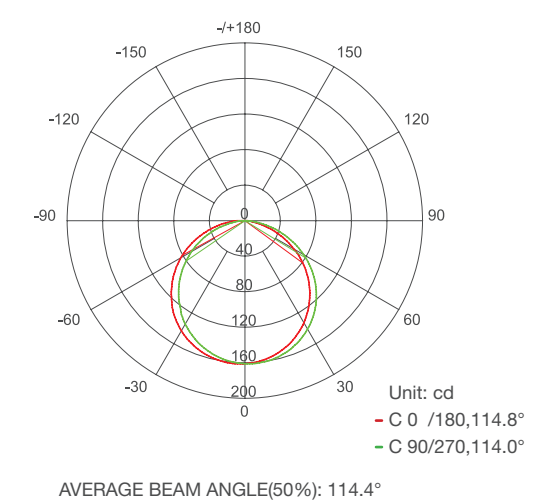
Unit: mm[inch]



Note: for more info, please contact sales rep.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE ILLUMINATION

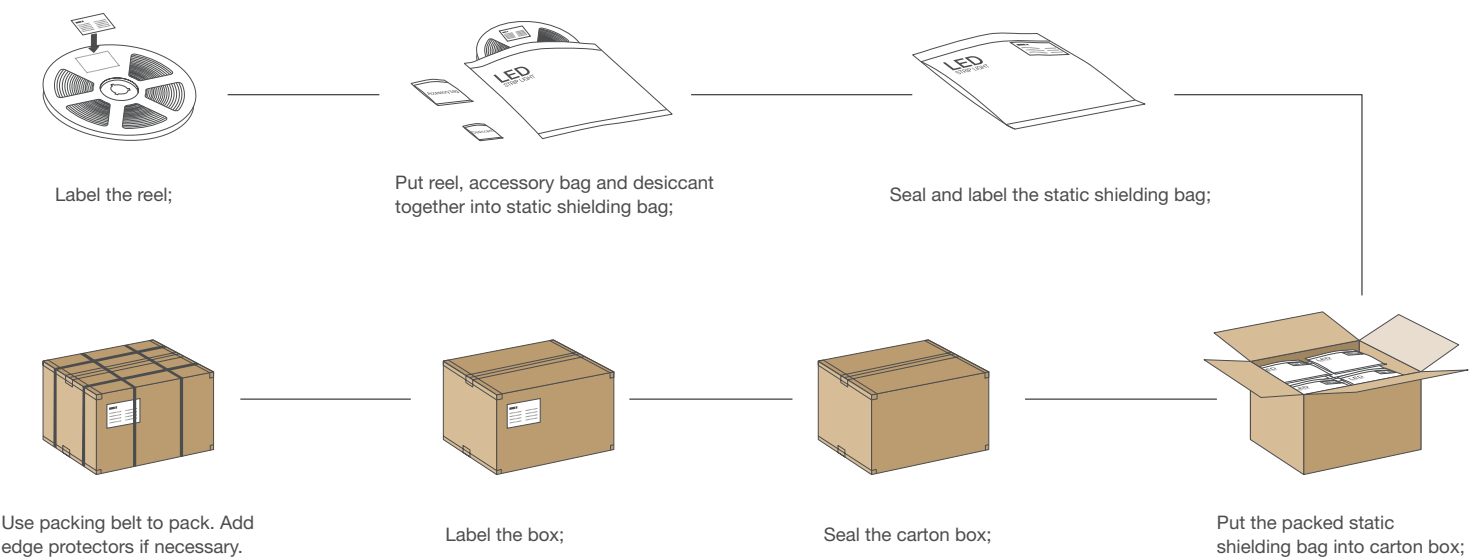


Note: above data tested with MN-G2219C-160-24 at 4000K. For other data,please consult sales rep.

RECOMMENDED POWER SUPPLY UPON WORKING LENGTH

Operating Length (m)	1	2	3	4	5	6
Operation Voltage (DC V)	24.0	24.0	24.0	24.0	24.0	24.0
Total current (A)	0.32	0.61	0.88	1.12	1.33	1.06
Total Power (W)	7.68	14.83	21.29	27.02	32.04	25.58
Head voltage (DC V)	24.00	24.00	24.00	24.00	24.00	24.00
Tail voltage (DC V)	23.93	23.80	23.62	23.41	23.15	22.85
Head current (mA)	1.92	1.90	1.89	1.88	1.87	1.86
Tail current (mA)	1.91	1.79	1.73	1.66	1.46	1.30
Head-to-tail voltage drop rate(%)	0.29	0.83	1.58	2.46	3.54	4.79
Head-to-tail current drop rate(%)	0.97	6.16	9.99	15.84	21.83	30.11
Single/Double feed	Single feed	Single feed	Single feed	Single feed	Single feed	Single feed

PACKAGING INFORMATION

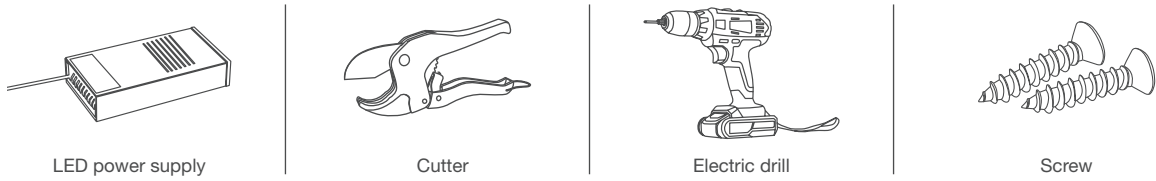


Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
MN-G2219C-160-24	5000*5	550*400*340	5	140	7.70(1±10%)	11.50(1±10%)

NOTE:

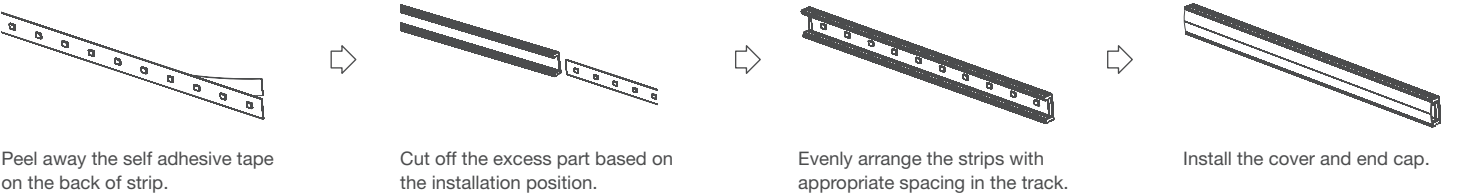
The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

INSTALLATION TOOLS

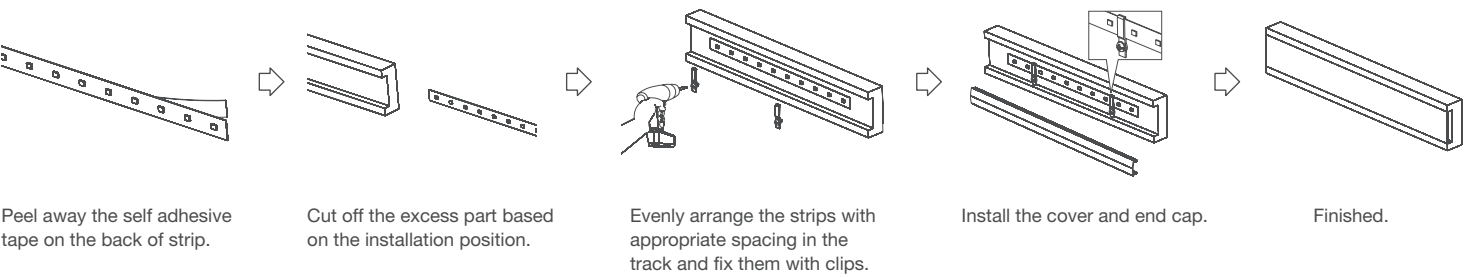


INSTALLATION METHODS AND STEPS

Aluminum channel installation



Covered channel installation



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
A1.1	First release	2025-9-16

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