

PRODUCT DATA SHEET

MODE : 12V-2835-55-8MM

COLOR : 2700K,3500K,4000K,4500K,6500K,10000K

5000*8,600LED'S

CONSTANT VOLTAGE 12DC FLEXIBLE STRIP LIGHT



XTRA.2835.120.12.55-IP20

UL

CE

RoHS

2835
SMD

120
LEDS

WATTS
55

DC
12V

IP
20

2
YEARS
WARRANTY

PRODUCT FEATURES

- LOW CARBON ENVIRONMENTAL PROTECTION, ENERGY SAVING EFFECT IS MORE SIGNIFICANT.
- ADOPT SMD2835,12/24VDC LOW VOLTAGE.
- ADOPT FRONT 1OZ BACK 1OZ FPC BOARD, HIGH HEAT DISSIPATION, LOW LIGHT FAILURE.
- GOOD COLOR CONSISTENCY.
- CE & ROHS APPROVED.
- TRIMLESS DESIGN
- NO HEAT TRANSMISSION ON PRODUCT WHEN INSTALLED ON SHELFs
- CLEAR GAP FREE INSTALLATION IN WOODEN SHELFs

APPLICATIONS

- INDOOR ILLUMINATION AND DECORATION IN HOME, HOTEL, SHOPPING MALL, CINEMA, MUSEUM, BAR, SHOWING ROOM, JEWELRY COUNTER, ETC.

TECHNICAL PARAMETERS

Item No.,	LED Color	CCT (K) Wavelength(nm)	CRI Ra	Color tolerance SDCM	Bean Angle (°)	Luminous Flux (lm/m)	Lighting effect (lm/W)	Output Voltage (VDC)	Current (A)		Power (W)	
									1m	5m	1m	5m
XTRA120	Warm White	2700	≥80	≤5	120	1090	107	12/24	1.2/0.6	4.8/2.4	11	55
XTRA120	Warm White	3000	≥80	≤5	120	1178	115	12/24	1.2/0.6	4.8/2.4	11	55
XTRA120	Neutral White	4000	≥80	≤5	120	1218	124	12/24	1.2/0.6	4.8/2.4	11	55
XTRA120	Neutral White	5000	≥80	≤5	120	1158	112	12/24	1.2/0.6	4.8/2.4	11	55
XTRA120	Pure White	6500	≥80	≤5	120	1208	116	12/24	1.2/0.6	4.8/2.4	11	55
XTRA120	Pure White	10000	≥80	≤5	120	1290	119	12/24	1.2/0.6	4.8/2.4	11	55

OTHER PARAMETERS

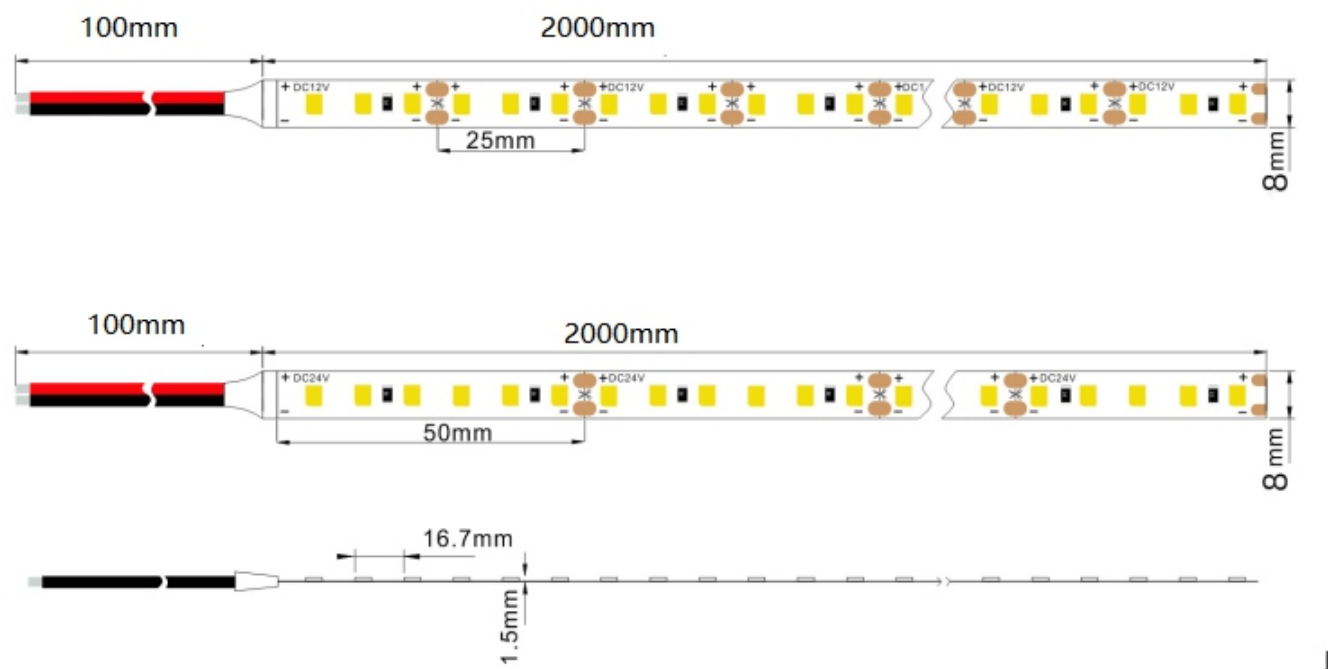
Item No.,	IP Rate	Working temperature (°C)	Storage temperature (°C)	Standard Length (m)	Max connection (m)	LED Qty (pcs/m)	Weight (g/m)	Min cut unit (mm)
XTRA120	IP20	-25~+60	-25~+70	10	10	120	12	12V (25mm)

- Remark
- 1 Test environment temperature is 25±2°C (normal temperature)
 - 2 The above data is typical, the actual parameters of the product may differ from the typical data; the data is subject to change without notice
 - 3 The above "-" indicates that the parameters of this product are not required at the moment
 - 4 Power is greater than 15W/m, need to cooperate with the profile heat dissipation

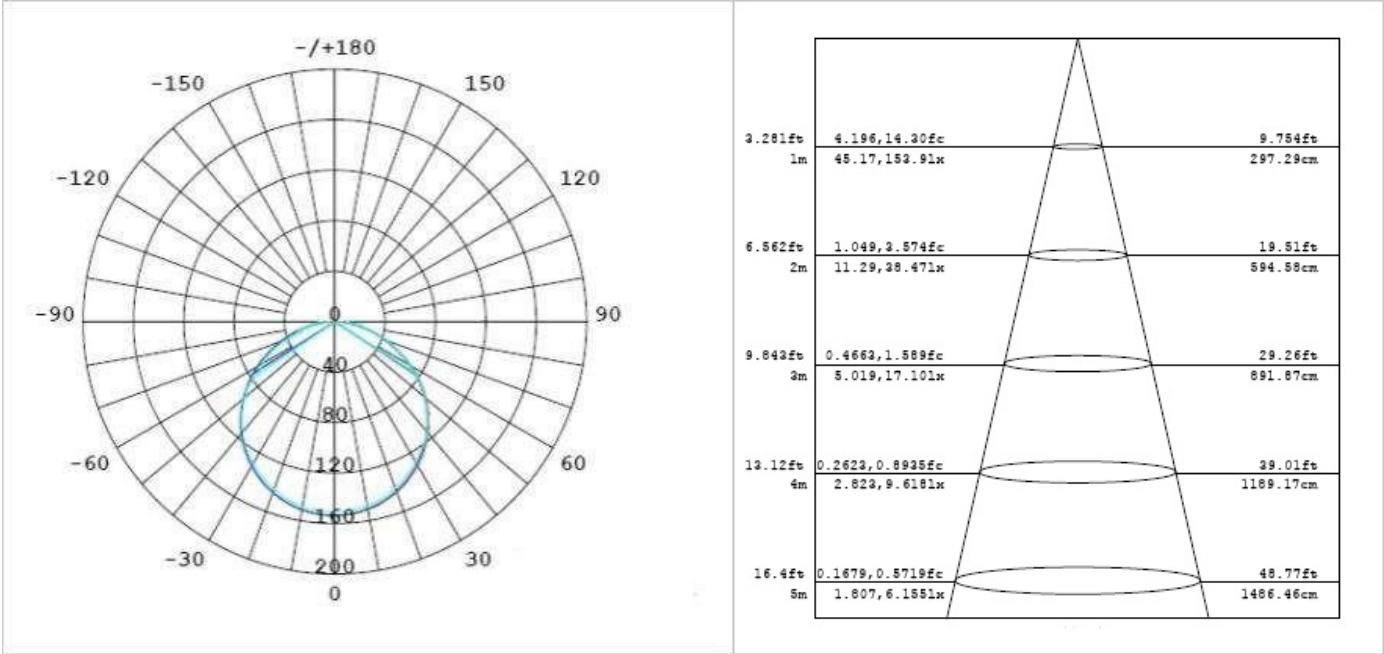
DIMENSIONUNIT IN MM

Length/Reel	Width	Height	LED Spacing	Min. Cutting ✂
5000mm	8mm	1.5mm	16.7mm	Every 25mm (3LEDs)

Unit: mm



🕒 LIGHT DISTRIBUTION CURVE / ISOLUX DIAGRAM



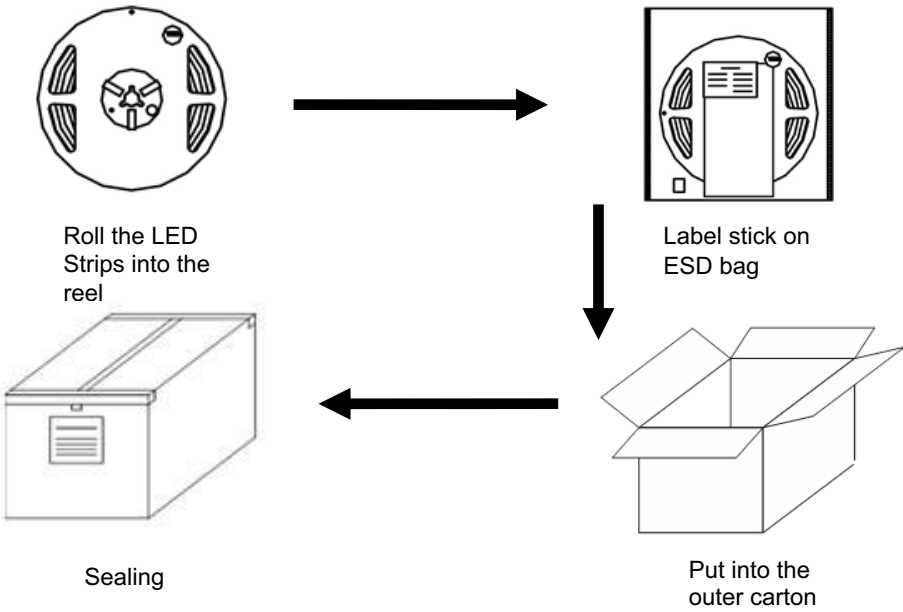
☔ IP RATING OPTION

IP Rate	Dimension	Colors	Lumen output rate
IP20	5000*8*1.5	2700K/3500K/4000K/4500K 6000K/6500K/10000K	100%
IP65	5000*8*1.7	2700K/3500K/4000K/4500K 6000K/6500K/10000K	98%
IP65	5000*10*4	2700K/3500K/4000K/4500K 6000K/6500K/10000K	95%
IP68	5000*10*4	2700K/3500K/4000K/4500K 6000K/6500K/10000K	90%

PACKAGE

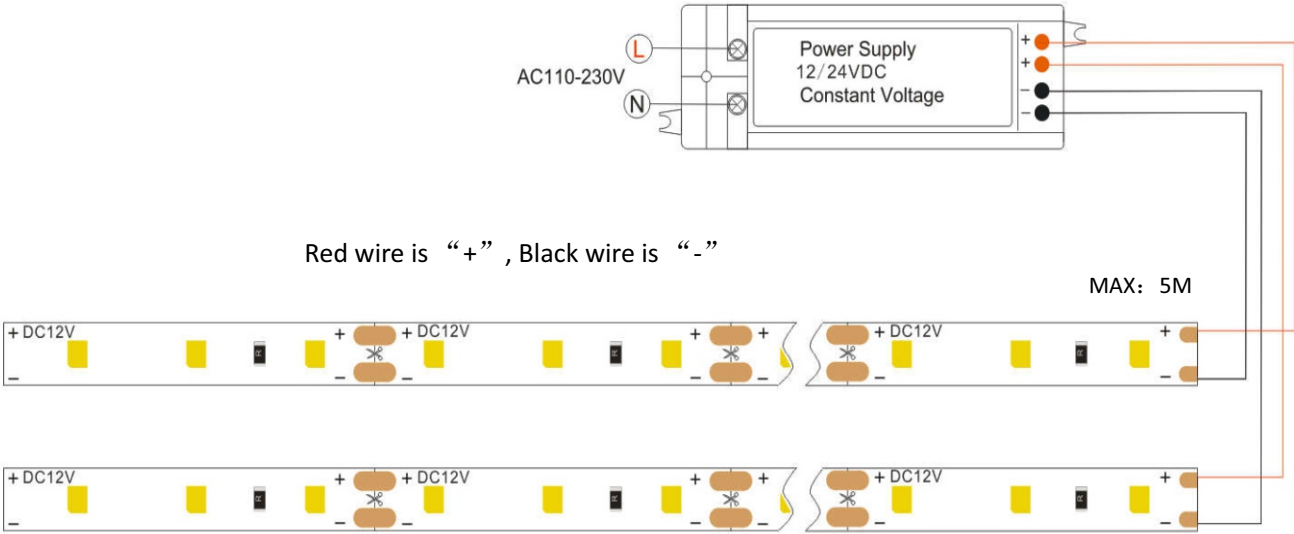
Item No.,	Qty per Rolls (m)	Qty per carton(m)	Total weight (Kg)	Dimension of outer carton (mm)		
				Length	Width	Height
XTRA 60/120	10	500	6	400	260	240

Remark The above packing quantity and weight only refer to the packing method as shown in the diagram. When other packing methods are adopted, there will be differences in packing quantity and weight. Please subject to the actual product.

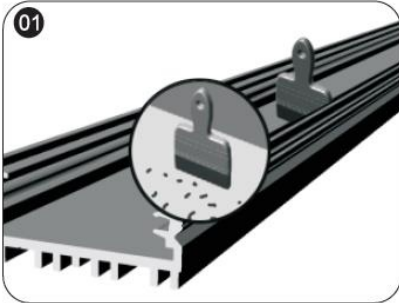


(REMARK THE POSITIVE AND NEGATIVE WIRE NEED TO BE CORRECTLY CONNECTED TO THE POSITIVE AND NEGATIVE TERMINALS OF THE POWER SUPPLY OUTPUT.)

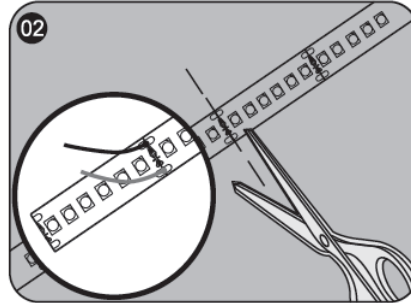
INSTALLATION



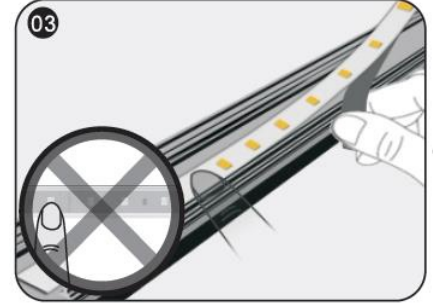
INSTALLATION STEP INSTRUCTIONS AND PRECAUTIONS



© Clean up debris on the mounting surface to ensure surface cleaning



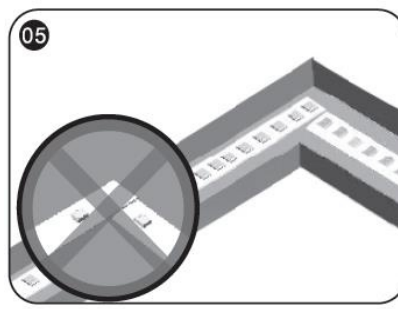
© Measure the length of the strip to be installed, and cut the extra LED strip along the scissors marking line. If you need to increase the connecting wire, please weld it at the next scissors mark at the cut.



© When attaching the led strip, be careful to peel while sticking. It is strictly forbidden to tear off all the release paper at once to prevent the led strip from sticking to each other.
△ Note: Do not press the lamp beads!



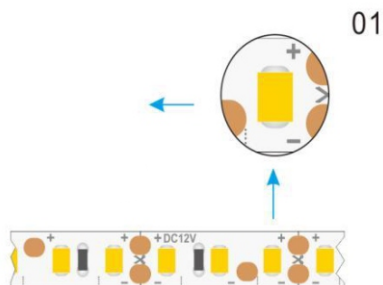
© The position of the led where scissors are in contact with the bottom of the section need to isolate with sticker tape, so as to avoid short circuit.



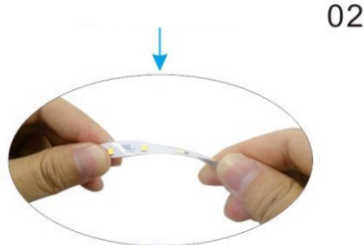
© The light strip at the corner is installed as shown above
△ Note: Do not fold into a right angle
Direct bending on the surface of the profile is strictly prohibited



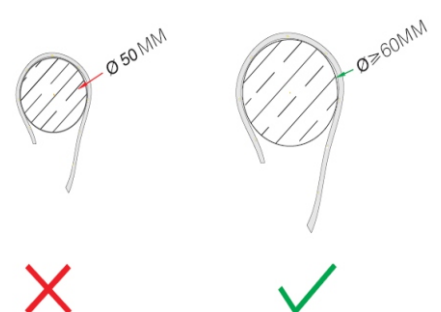
© After the strip is installed, it is connected to the power output. Insulation, short - circuit protection and corrosion protection should be done at the terminals



© Don't bend the LED position



© Don't twist the led strips



© Don't wrap objects less than 5cm in diameter

COMMON FAULTS OF PRODUCTS AND TROUBLESHOOTING METHODS

Fault phenomenon	Potential causes	Solution
All LEDs are off	1、The power is off.	power transmission
	2、Automatic protection of the power supply after the output of the switching power supply is open or shorted.	trouble shooting and recovering the power supply
	3、LED Strips with power supply terminal polarity reverse	Check the wire connection to ensure correct connection of positive and negative wire
Some of the LEDs are off	1、Part of the switching power supply is not powered	Check the power supply system and troubleshoot
	2、Part of the electricity supply line error	
	3、Partial led strips with reverse polarity connection	Correct connection
LED brightness is not the same or the brightness is not enough	1、Power overload	Replace the power supply with a larger power according to the load
	2、Switching power supply line or circuit loss is too large	Ensure that the operating voltage of the led strips is within $\pm 5\%$ of the rated voltage 1. Cut the length of the wire between the strip and the power cord or use wires with larger diameter; 2. Ensure that the number of each led strip is less than or equal to the maximum allowable cascade ;And make each strip with a similar connection.
	3、Over connection of LED Strips	Adjust the number of strips for each power supply and to meet the maximum connection requirements for each power supply.
LED flashing	1、Poor contact at the wiring point	Find out the bad points and troubleshoot
	2、Switching power supply failure	Replace the switching power supply

COMMON FAULTS OF PRODUCTS AND TROUBLESHOOTING METHODS

- ◎ If the external cord of the product is damaged, it should be replaced by the manufacturer or its service agent or a similarly qualified person to avoid danger.
- ◎ For the specific installation and precautions of the product, please refer to the product manual.
- ◎ The data above in this specification is based on standard products. Actual shipments may be a little difference. Please refer to the actual product.
- ◎ All product drawings in this specification are schematic diagrams, and actual shipments may be a little difference. Please refer to the actual product.