

PRODUCT DATA SHEET

MODE : 12V-2835-90-10MM

COLOR : 6000K

5000*10,1200LED'S

CONSTANT VOLTAGE 12DC FLEXIBLE STRIP LIGHT



GDS-ELS.2835.240.12.90-IP20

2835
SMD

240
LEDS

WATTS
90

DC
12V

IP
20

1
YEARS
WARRANTY

PRODUCT FEATURES

- PREMIUM QUALITY EXTRUDED ALUMINUM
- COMPATIBLE WITH 8MM TO 14MM LED STRIPS
- PREMIUM QUALITY PC LIGHT DIFFUSERS
- EXCELLENT HEAT SINK
- SUSPENDED MODEL
- 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

LED	CCT (K)	CRI	Color	Beam Angle	Luminous	Lighting	Input	Current (A)		Power (W)	
	Wavelength(nm)	Ra	tolerance SDCM	(°)	Flux (lm/m)	effect (lm/W)	Voltage (VDC)	1m	5m	1m	5m
Pure	6000	≥80	≤5	120	1296	90	12	1.2/0	4.8/	18	90
White								.6	2.4		

OTHER PARAMETERS

IP Rate	Working temperature (°c)	Storage temperature (°c)	Standard Length (m)	Max connection (m)	LLED Qty (pcs/m)	Weight (g/m)	Min cut unit (mm)	
IP 20	-25~+60	-25~+70	5	10	240	12	25	(12V)
							/50	(24V)

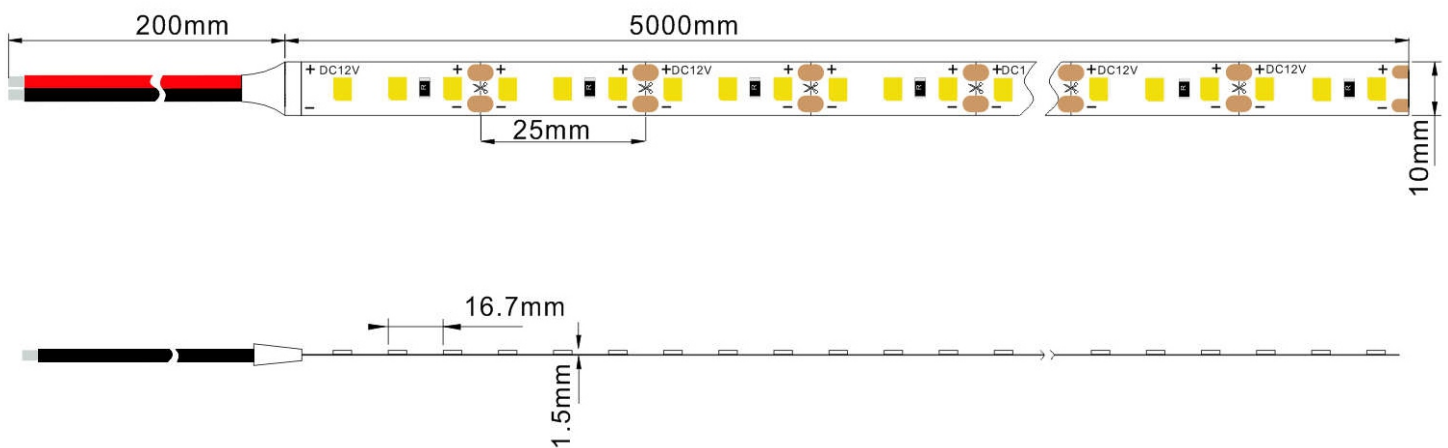
Remark

- 1 Test environment temperature is $25\pm 2^{\circ}\text{C}$ (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

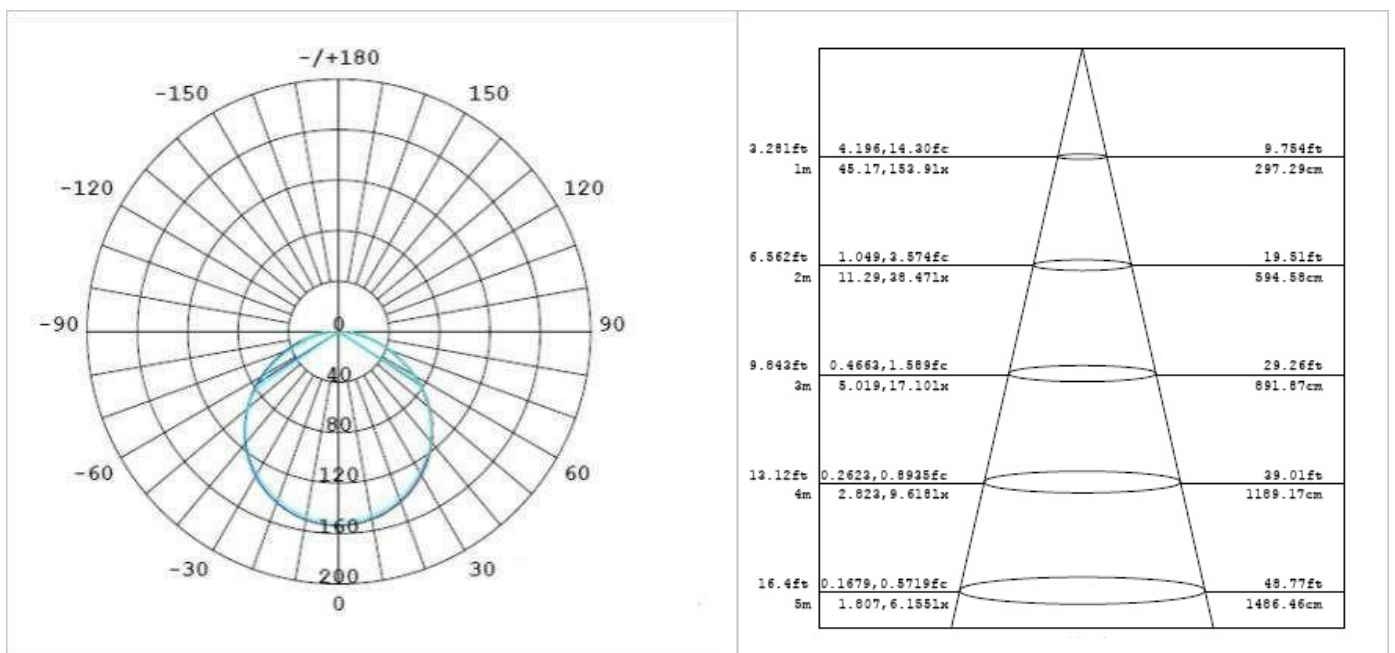
DIMENSION

UNIT IN MM

Length/Reel	Width	Height	LED Spacing	Min. Cutting ✂
5000mm	10mm	1.5mm	16.7mm	Every 25mm (3LEDs)



LIGHT DISTRIBUTION CURVE / ISOLUX DIAGRAM



☂ IP RATING OPTION

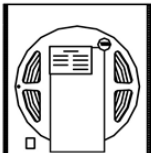
IP Rate	Dimension	Colors	Lumen output rate
IP20	5000*10*1.5	2700K/3000K/4000K/ 5000K/6500K/9000K	100%
IP65	5000*10*1.7	2700K/3000K/4000K/ 5000K/6500K/9000K	98%
IP65	5000*12.5*4	2700K/3000K/4000K/ 5000K/6500K/90000K	95%
IP68	5000*12.5*4	2700K/3000K/4000K/ 5000K/6500K/9000K	90%

PACKAGE

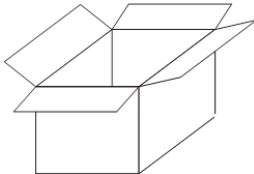
Qty per Rolls (m)	Qty per carton(m)	Total weight (Kg)	Dimension of outer carton (mm)		
			Length	Width	Height
5	300	7.0	520	300	220



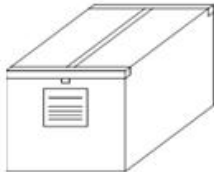
Roll the LED Strips into the reel



Label stick on ESD bag



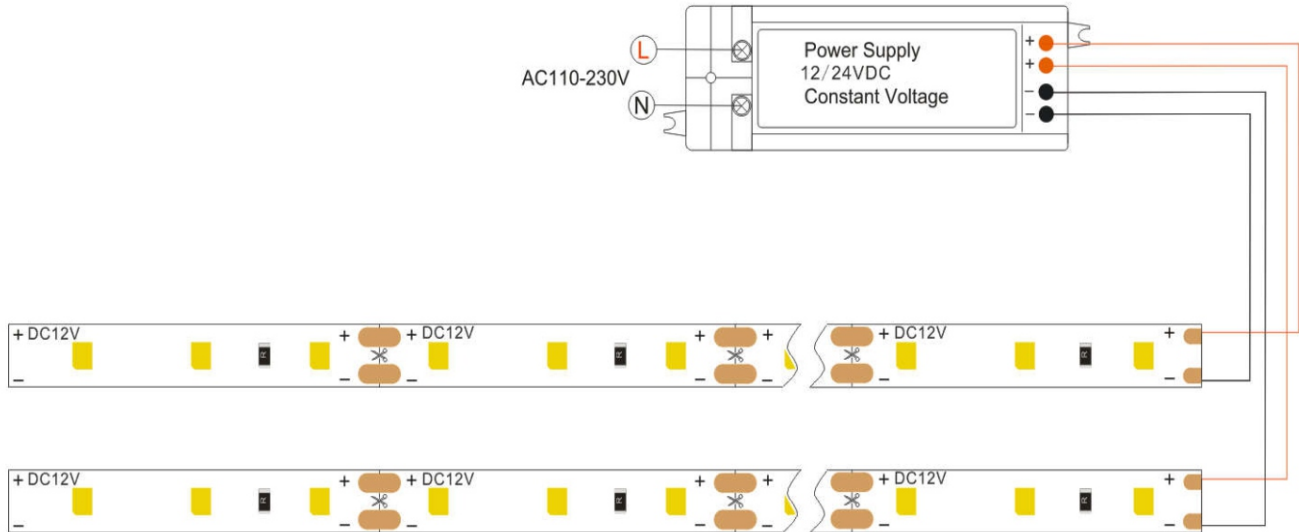
Put into the outer carton



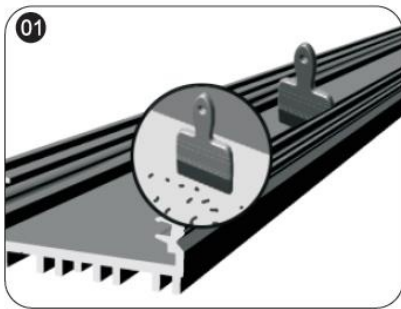
Sealing

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

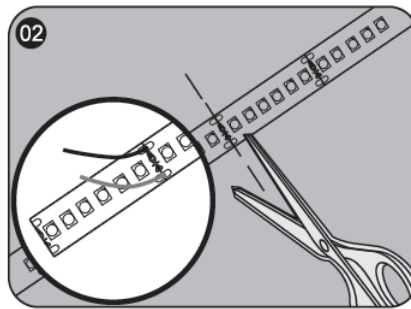
✂ INSTALLATION



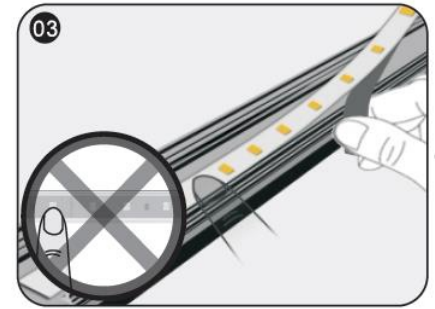
INSTALLATION STEP INSTRUCTIONS AND PRECAUTIONS



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



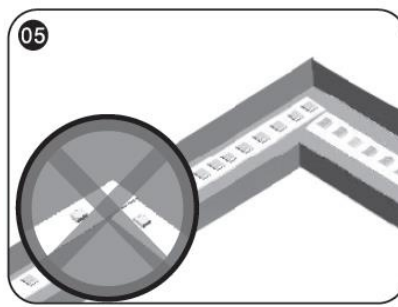
© Measure the length of the strip to be installed, and cut the extra LED strip along the scissors marking line. If you need to increase the connecting wire, please weld it at the next scissors mark at the cut.



© 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



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.