

# HIGH EFFICACY LED STRIPS

90/180 LEDs/m



## Features

- 1) Powered by high output 2835 LED.
- 2) High light efficiency 200LM/W.
- 3) CRI 80/90/95 available, SDCM $\geq$ 3, 1 BIN only.
- 4) Double layer rolled copper FPC, 3M 300LSE tape attached.
- 5) CE, RoHS, UL, TUV, BIS, CB and LM-80 certified.
- 6) 3 years warranty.

## Application

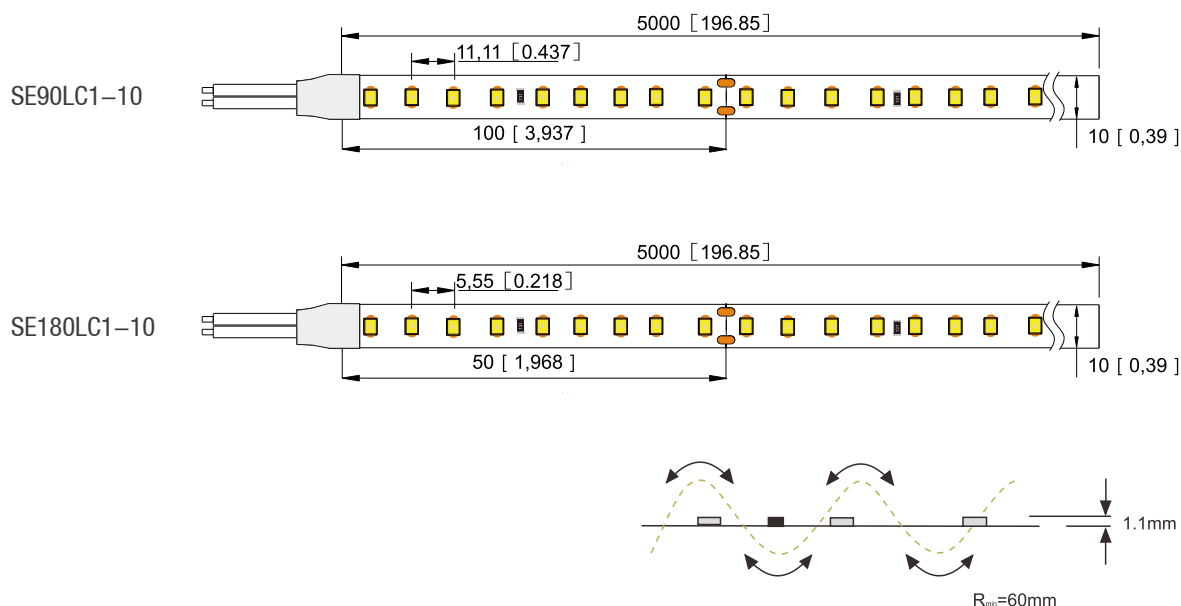
Linear lighting, city lighting, landscape lighting, commercial lighting and house contour lighting, etc.

## Parameters

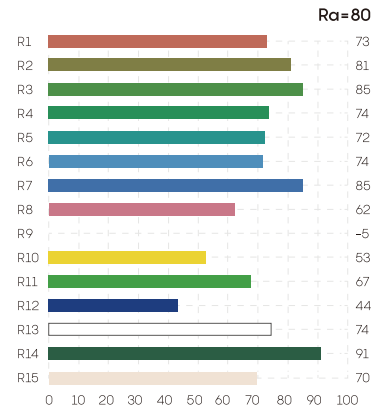
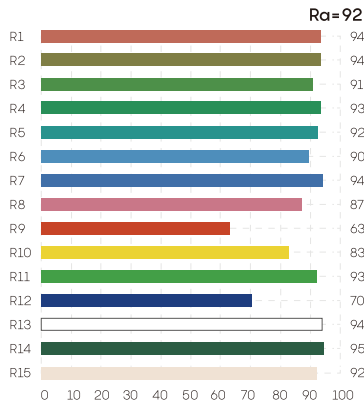
Part Number	SE90LC1-10	SE180LC1-10	CRI	Color	CCT(K)	SDCM	Luminous Flux (LM/M)	Efficacy (LM/W)
Dimensions	5000*10mm	5000*10mm		WW	● 2700	$\leq$ 3	775/1550	180
LED Type	2835 LED	2835 LED		WW	● 3000	$\leq$ 3	795/1590	185
LED Qty/m	90LEDs/m	180LEDs/m	80+	NW	● 4000	$\leq$ 3	880/1763	205
Voltage	DC24V	DC24V		MW	● 5000	$\leq$ 3	880/1763	205
Input Current (A)	0.179A (1m)	0.358A (1m)		W	● 6500	$\leq$ 3	880/1763	205
Power	4.3W/M	8.6W/M	<b>Remarks:</b>					
Power Range	3.8~4.7W	7.7~9.5W	1) The test data is based on the test results of a 1m led strip, with reference to the IES LM-79-08 standard. Data tolerance range $\pm$ 10%.					
Number of Switches	>10000 Times	>10000 Times	2) When the power of this series LED strips is greater than 12 W/m, please use it with aluminum profiles.					
IP Grade	IP20	IP20	3) When Ra $\geq$ 90, the lumens will drop by about 20% on the basis of Ra80.					

## Dimension


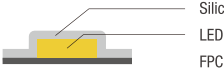



(Unit: mm)



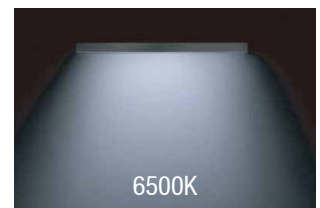
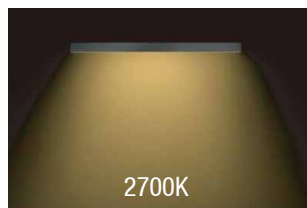
## Rendering Index Comparison



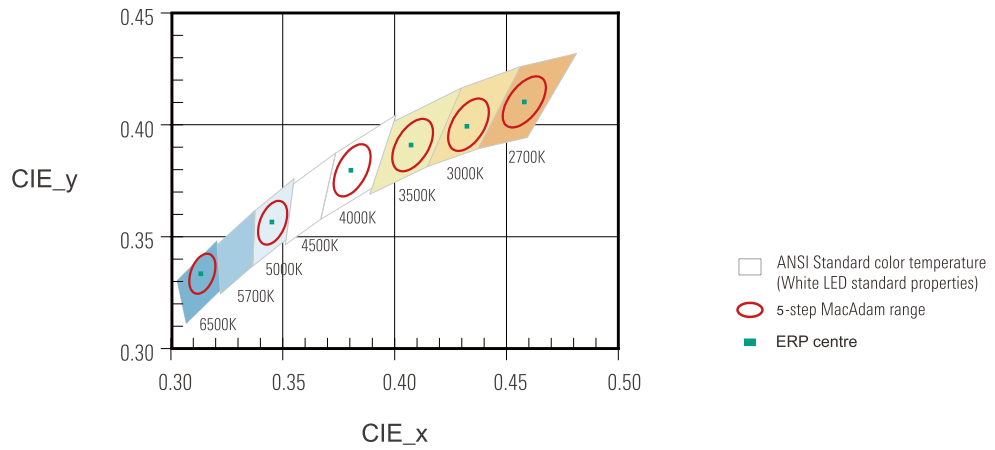
## Provides Different IP Graded Strips

<b>IP20</b>	Non-waterproof		(indoor)
<b>IP54</b>	silicone spray		(in humid air)
<b>IP65</b>	silicone hollow tube		(in humid air)
<b>IP67</b>	silicone solid extrusion		(in rain)
<b>IP68</b>	PU/PVC glue hollow extrusion		(in water)

## Provide Full CCT Range From 2700K to 6500K

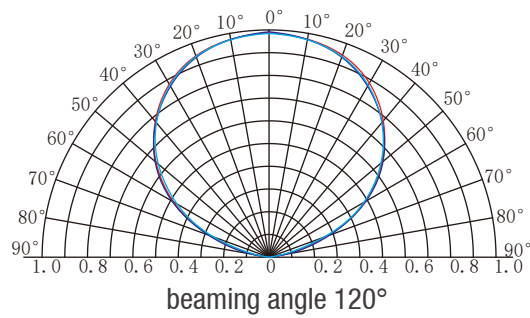


### Coordinates and Tolerances Conform to CIE 1931

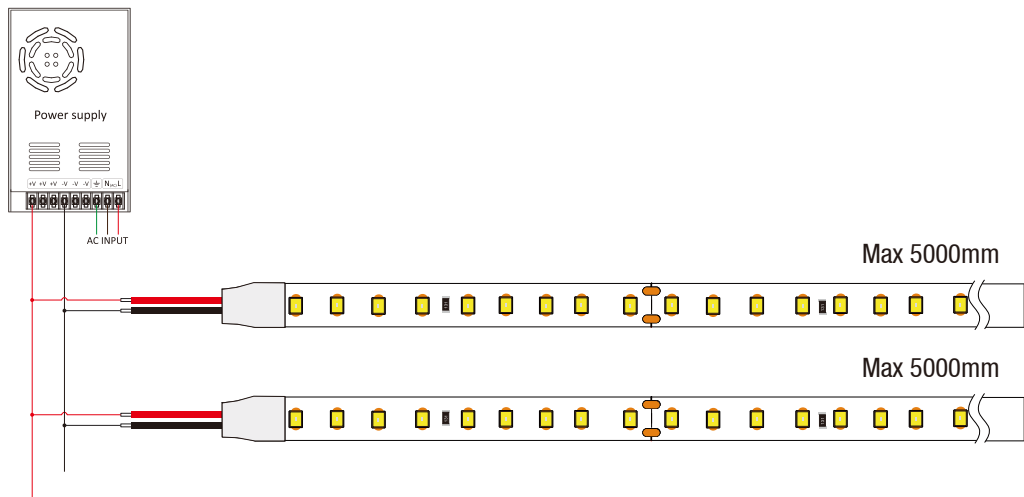


	2700K	3000K	3500K	4000K	5000K	6500K
x0	0.463	0.433	0.408	0.380	0.346	0.313
y0	0.420	0.403	0.393	0.380	0.359	0.337





### Beaming Angle















### Wire Connection

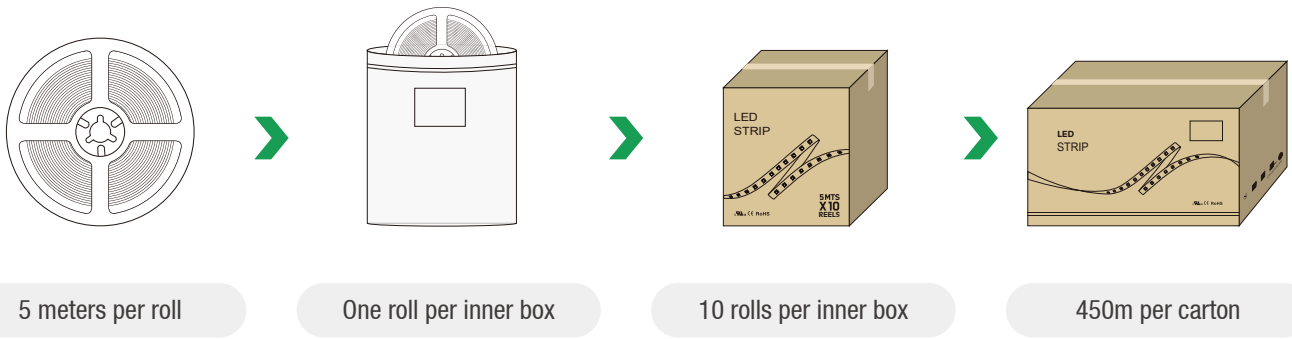


## Installation Accessories

Standard Accessories			
Item	Name	IP Grade	Picture
C-256620-I-001	Connector	IP20	
C-256720-I-001	Connector	IP20	
C-331720-T-001	Connector	IP20	
C-219520-0-001	Connector	IP20	

Recommended Accessories Profile			
Item	Dimension(mm)	Drawing	Picture
4141460-001	14x8		
4121460-001	12x8		
4171460-001	17x9		
4161460-001	16x12		
4181460-001	18x18		
4151460-002	16x7		

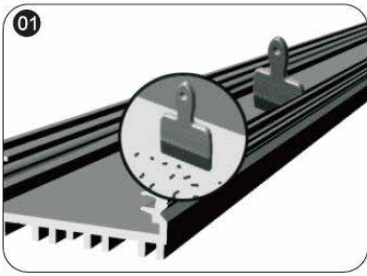
## Packing Information



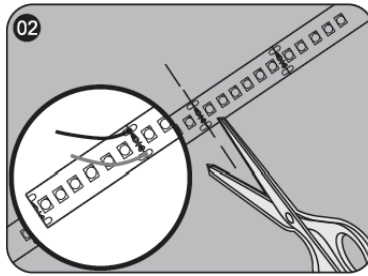
Part Number	Carton Dimension (mm)	Quantity per inner box (m)	Quantity Per Carton (m)	Net Weight (kg)	Gross Weight (kg)
SE90LC1-10	L495*W450*H215	50	450	11.7	12.8
SE180LC1-10	L495*W450*H215	50	450	11.7	12.8

Given the packing manner difference, the actual packing information is subject to that for the real products.

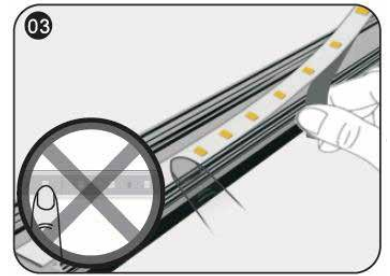
## Installation Steps



1. Making sure the installation surface is clean.



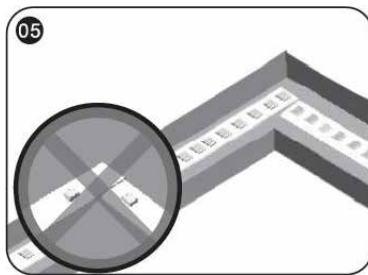
2. Measure the length of the strip light that needs to be installed, and cut off the excess strip light along the cutting line. If you need to add connecting wires, please solder at the next cut mark.



3. Please peel off the release paper on the back of strip light before sticking. it. Do not tear off all the release paper at once to prevent the strip light from sticking to each other.  
**Note: Do not press the LED.**



4. The place where the cut mark on strip light is in contact with inner bottom surface of profile are isolated by adhesive tape to avoid short circuit.



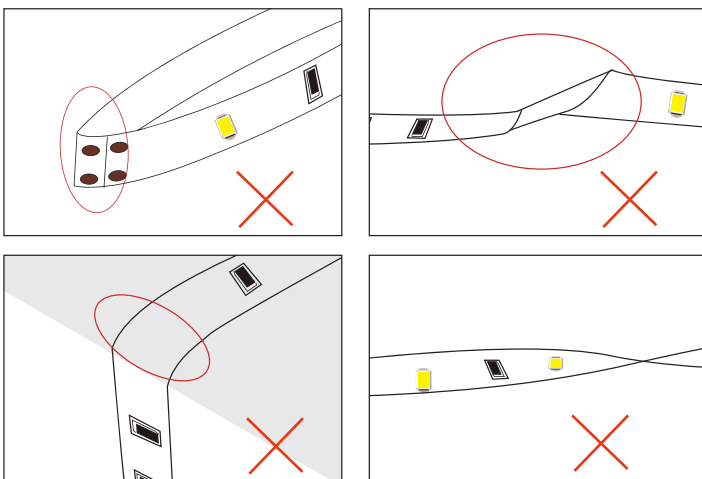
5. The installation drawing of sticking strip light to the corner.  
**Note: Do not bend strip light into right angle.**



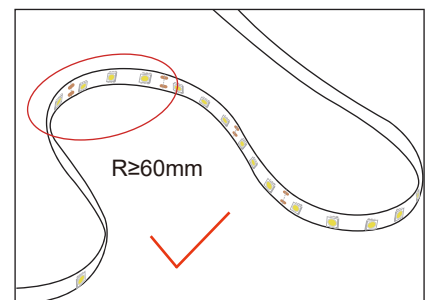
6. After the strip light is installed, the strip light wire is connected to the power output terminal. Insulation, short-circuit prevention, and corrosion prevention measures should be taken at the terminals.

## Cautions

When install the led strip, please note the installaiton technique. The led strip can be bent, but not distorted, as shown below.



Distortion (Wrong)



Bend (Right)

➤ LED strips are low voltage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC 110V or AC 220V, otherwise it will burn out the LED strips.

➤ Clean up the installation surface, it will ensure the reliability of the adhesive. The electrical connection process must be operated by a professional person.

## Instructions

- 1) Disassembling or modifying the product is not allowed.
- 2) Installation with power on is not allowed.
- 3) Any organic solvent chemical is not allowed.
- 4) Isolation and corrosion prevention on all wiring points and wire ends.
- 5) Make sure the power wire is big enough and ensure the voltage and connection are all correct before power on.
- 6) Installation, maintenance should be done by professional staff.
- 7) 5M in a serial connection maximum for DC24V strips.
- 8) The power wire between power supply and LED strips should be less than two meters to keep the same brightness on all parts.
- 9) The maximum bending diameter of this product: 60mm.

## Declaration

- 1) To ensure the safety, the broken wires need to be replaced by the manufacturer or the service agent, or by the qualified staff.
- 2) The given data in the specification is the laboratory data, there may be discrepancy found in the actual products.
- 3) The given drawings in the specification are only for reference, there may be discrepancy found in the actual products.
- 4) The products are subject to change without prior notification.



Official Website



WeChat Public

## SHENZHEN LEADBEYOND LINEAR LIGHTING CO., LTD.

Tel: +86-755-83056231    info@leadbeyondled.com    www.leadbeyondled.net    www.leadbeyondled.com

Company Address.: 28F, Luban Building, Hongli West Road, Futian District, Shenzhen 518034, China

Factory Address: 3F, 4F and 6F, Buiding A&B Xinyongfeng Industrial Area, Yingrenshi Village, Shiyan Town, Bao'an District, Shenzhen 518108, China