

# R25 360° Neon Strips Series

## Datasheet

### Product description :

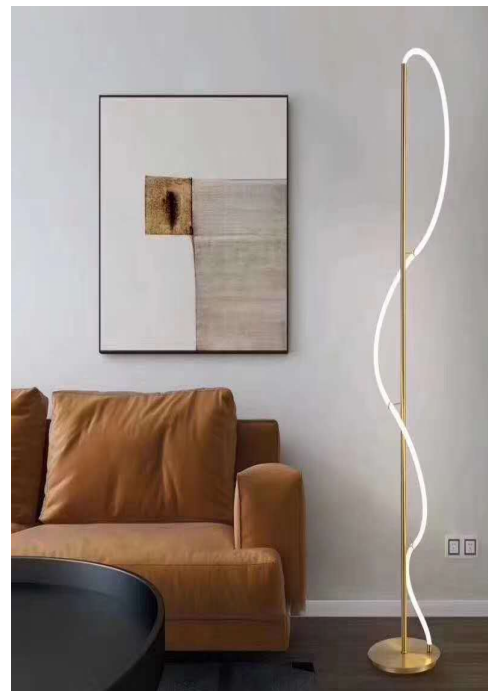
- 24 V constant voltage strip
- 360° emitting uniform without shadow
- IP65 protection level

### Features and benefits :

- Various color options:  
2400K/2700K/3000K/4000K/6000K/Dual Color/  
Red/Green/Blue/Yellow/Pink
- Higher Specs: Ra>90 for White Color Series
- Integrated extrusion molding process, high light transmittance
- Excellent toughness, stylish appearance, elegant design
- Silicone material. Salt, acid, alkali corrosion, UV and fire resistance
- 3-years warranty

### Typical Applications :

- Decorative lighting





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## General Information

### Ordering Code Format

6      LBU1      XX      X      XX      X      XXX      XX  
 X1      X2      X3      X4      X5      X6      X7      X8

X1 Item	X2 Series	X3 Emitting Color		X4 Driver	X5 Length				
6	Module	LBU1	FPC	24	2400K	J	CV 24V	A0	1.0M
				27	2700K				
				30	3000K				
				40	4000K				
				60	6000K				
				RX	Red				
				TX	Green				
				BX	Blue				
				YX	Yellow				
				PX	Pink				
				M6	Dual Color				

X6 Emitter	X7 Number of LEDs(M)	X8 Serial No.
S	2835	240
		240pcs
		xx
		--

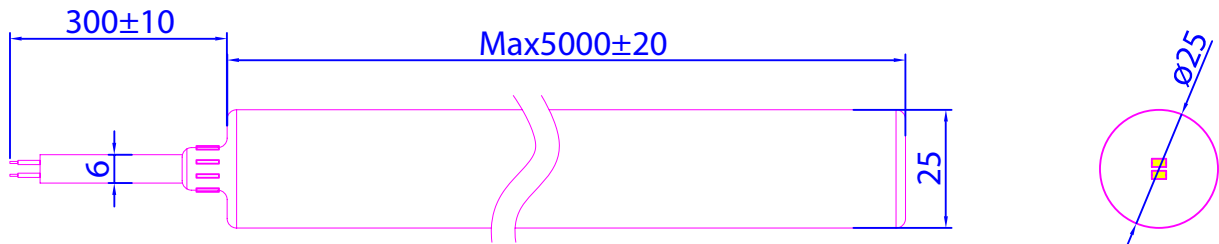


## Technical data

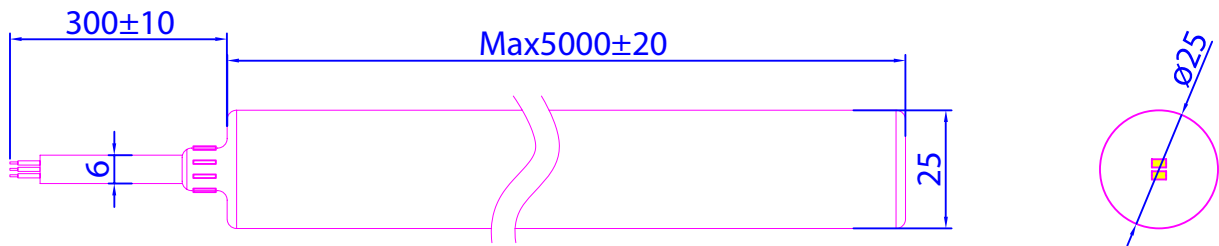
Parameter	Value	Units
Ta	-25~+45	°C
Tc	-25~+60	°C
DC supply voltage	24	V
Type of protection	IP65	
Color Temperature	2400	K
	2700	K
	3000	K
	4000	K
	6000	K
	Red	
	Green	
	Blue	
	Yellow	
	Pink	
	Dual color	
Number of connection(Max)	5.0	M
Risk group(EN62778)	1	
Classification acc. to	IEC62031	
	IEC62778	
	IEC62717	
	IEC61000-4-2	

## Product Dimensions

### Single color Series Dimensions



### Dual color Series Dimensions



Unit : mm





## Electric-Optical Characteristics

Order Code	CCT(K)/ Wavelength(nm)	Voltage (V)	Power (W/M)	Luminous flux (Lm/M)	Efficiency (Lm/W)	Ra
6LBU124JA0S24001	2400	24	10	510	51	≥90
6LBU127JA0S24001	2700	24	10	510	51	≥90
6LBU130JA0S24001	3000	24	10	510	51	≥90
6LBU140JA0S24001	4000	24	10	550	55	≥90
6LBU160JA0S24001	6000	24	10	580	58	≥90
6LBU1M6JA0S24001	2700	24	5	255	51	≥90
	5000	24	5	290	58	≥90
6LBU1RXJA0S24001	Red:620-630	24	10	240	24	
6LBU1TXJA0S24001	Green:515-525	24	10	500	500	
6LBU1BXJA0S24001	Blue:460-470	24	10	110	11	
6LBU1YXJA0S24001	Yellow:585-595	24	10	200	20	
6LBU1PXJA0S24001	Pink	24	10	400	40	


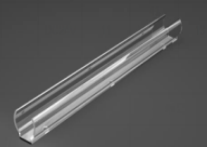

Notes:

1. The Maximum and minimum luminous flux are based on  $\pm 10\%$  of the typical rate;
2. The Maximum and minimum power are based on  $\pm 10\%$  of the typical rate;
3. The Maximum and minimum CCT are based on  $\pm 10\%$  of the typical rate;

## Connector Series

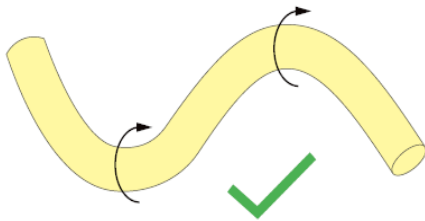
Part Number	Picture	Describe
13CNP3000676		Front Cable Entry (Single color) 300mm UL2464 2P
13CNP3000677		Front Cable Entry (Dual color) 300mm UL2464 2P 20AWG

## Mounting Buckle

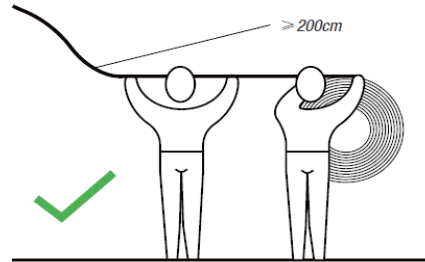
Part Number	Picture	Describe
13MABG000048		PC Mounting clips (L20*W30*H27.4mm)
13HSLBR10001		PC Profile (L1000*W30*H27.4mm)
13MAFT000082		Steel wire rope for hanging 2pcs per bag

## Precaution

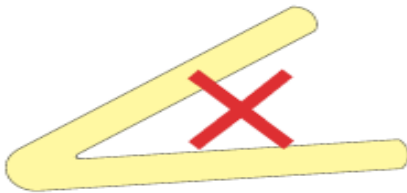
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Bending diameter must be greater than 200mm



Please install the neon strip by at least two people when the length of the strip is more than 2 meters.



The neon strip cannot be at 90° angle or bent too tight.

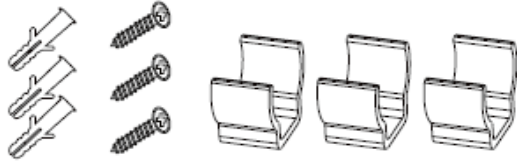


No trampling.



## Surface mounting method

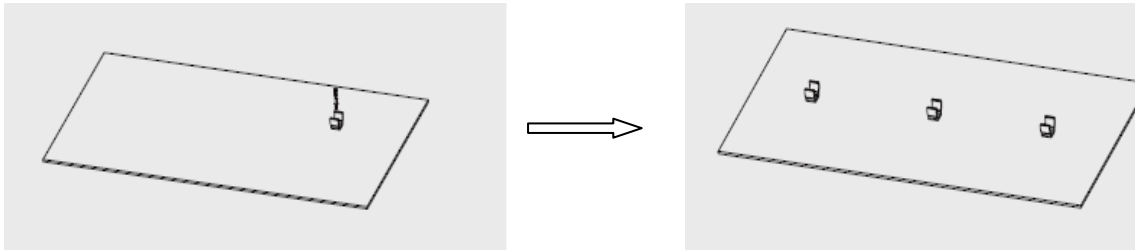
### 1. Prepare materials



X3                      X3                      X3  
Rubber plugs      Screw                  Mounting clips

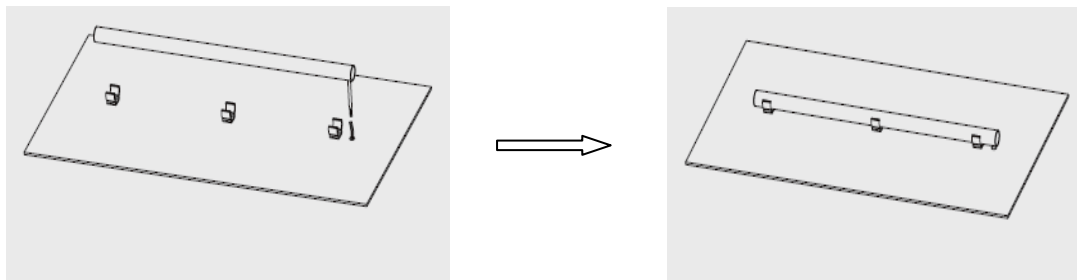
### 2. Fix the mounting clips in turn on the surface by self-tapping screws.

Note: Install at least 3 pcs mounting clips per meter of the strip.



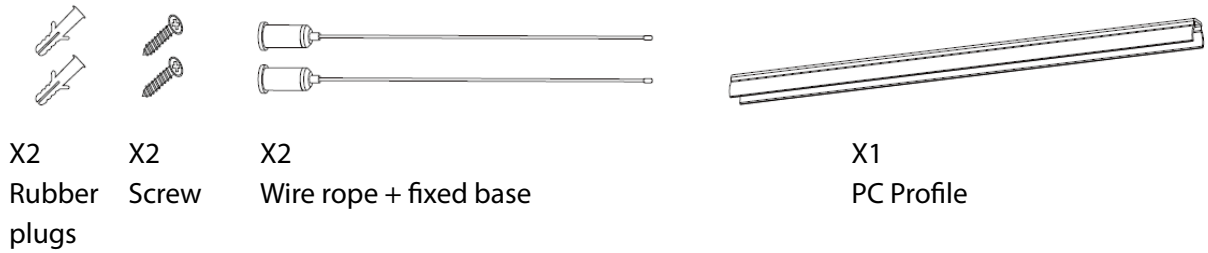
### 3. Drill 8-12mm outlet holes on the installation surface of the input end of the strip, and pull out the wire and connect it with the input wire of the strip.

Snap the strip into the mounting clip to complete the installation.



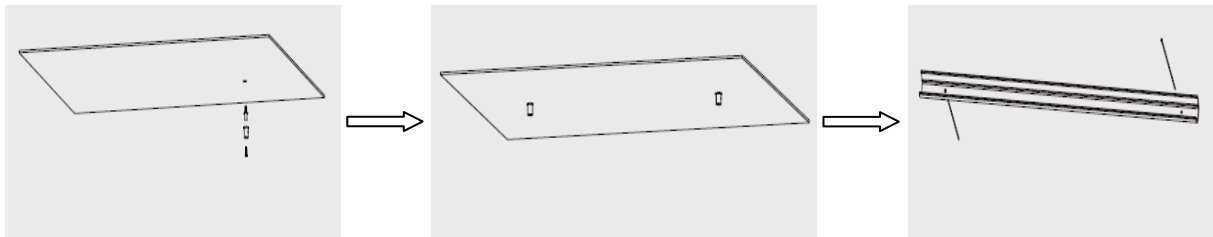
## Hanging installation method

### 1. Prepare materials

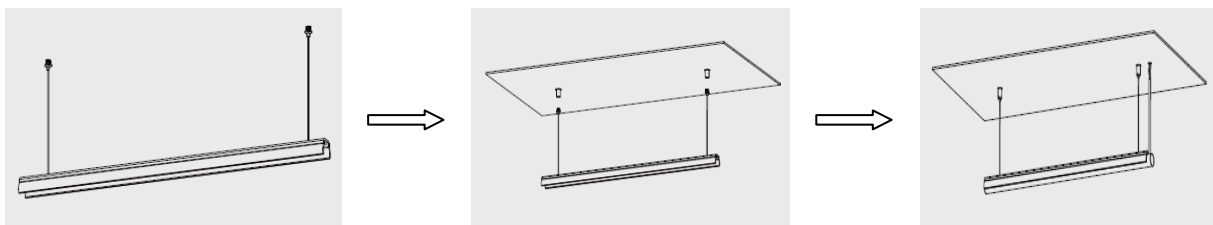


2. Fix the base in turn on the surface by self-tapping screws. Insert the wire rope through the holes at both ends of the PC profile.

Note: Install at least 2 pcs fixed based per meter of the strip.



3. Insert the wire rope through the rope locker and fix it with the base; snap the strip into the PC profile, drill 8-12mm outlet holes on the installation surface of the input end of the strip, and pull out the wire and connect it with the input wire of the strip to complete the installation.





## Product Packaging Information

length per carton (M)	Qty/Carton	Carton size (mm)	GW.±5% (kg)
10	2	433x433x340	6.8



EX:

艾笛森光電股份有限公司 EDISON OPTO CORPORATION	
Part No. : 6LBU130JA0S12001	Inspected by: <div style="border: 1px solid black; width: 100px; height: 50px; margin: 5px;"></div> <div style="border: 1px solid black; padding: 2px; text-align: center;"> <b>ROHS</b>  <small>Directive Compliance</small> </div>
Color : Warm White(3000K)	
Quantity : 1 M	
Lot No. : xxx	
 <small>A410000005</small> <small>Tel +86-2-82276996 Fax +86-2-8227-6997</small> <small>4F No.800 Chung-Cheng ., Chung-Ho City Taipei, Taiwan</small>	

**Label information**

Part NO. : Order code

Color : Color(Emitter BIN color)

Quantity : The number of packing Lot

Lot NO. : Date code



## Precaution for Use

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1. DO NOT use the products with materials has Sulfur.
2. DO NOT assemble in humid environment or the conditions of containing oxidizing gas such as C1, H2S, NH3, SO2, NOX, etc.
3. DO NOT add or change wires while the circuit of Module is active. Long time exposure to sunlight or UV should be avoided.
4. DO NOT press the product; even a slight pressure may damage the product. The environments such as high temperatures, high humidity or direct expose to sunlight should be avoided since the product is sensitive to these conditions.
5. Installation of LED modules (with power supplies) needs to be made with regard to all applicable and safety standards. Only qualified personnel should be allowed to perform installations.
6. Assembly must not damage or destroy conducting paths on the circuit board.
7. Please ensure that the power supply is of adequate power to operate the total load.
8. The maximum run length from any power feed should be limited to 5000 mm

## Environmental Compliance

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PLCC lightbar FPC series are compliant to the Restriction of Hazardous Substances Directive or RoHS. The restricted materials including lead, mercury cadmium hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ether (PBDE) are not used in PLCC lightbar FPC series to provide an environmentally friendly product to the customers.

## Application Notes

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PLCC Lightbar series are available in red, yellow, green, blue, white, neutral white and warm white for application such as under-cabinet lighting, cove lighting and wall washing. Moreover, additional fine-tuned high color rendering index (CRI) version of white, neutral white and warm white all make PLCC Lightbar the ideal lighting choice for vividly building or decoration products, presenting the products outline.



## Revision History

Versions	Description	Release Date
1	Establish order code information	2022/05/09

## About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at [www.edison-opto.com](http://www.edison-opto.com)

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