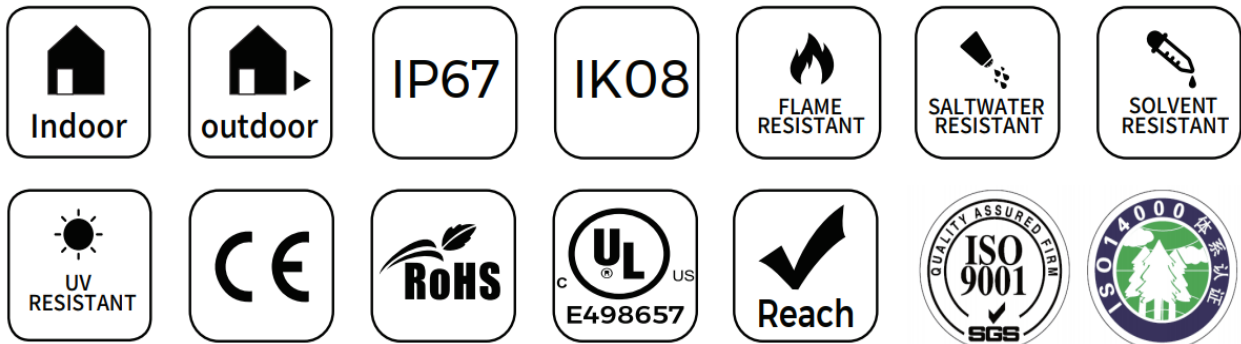


Specification

Cambered Neon Series NNT1615



▼ Features

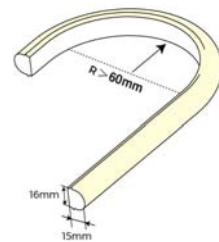


- ※ Light source: High luminous efficiency, SMD2835, 4040, LM80 proved.
- ※ Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- ※ Optical Design: Unique optical light distribution structure design, uniform lighting surface and no shadow.
- ※ Appearance Design: Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- ※ Product Certification: UL, CE, ROHS.
- ※ Environmental Features: Resistance to saline solutions, acids & alkali, corrosive gases and UV.
- ※ Working/Storage Temperature: Ta:-20~55°C / 0°C ~ 60°C.
- ※ 3 years warranty, life span over 36000 hours.

▼ Application

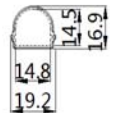
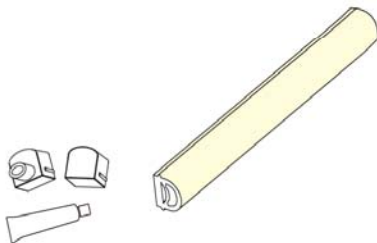
- ※ Signage lighting
- ※ Outdoor/indoor lighting
- ※ Architectural contour lighting

▼ Bending application



▼ IP Process& Structure Parameters

IP67 silicone end cap



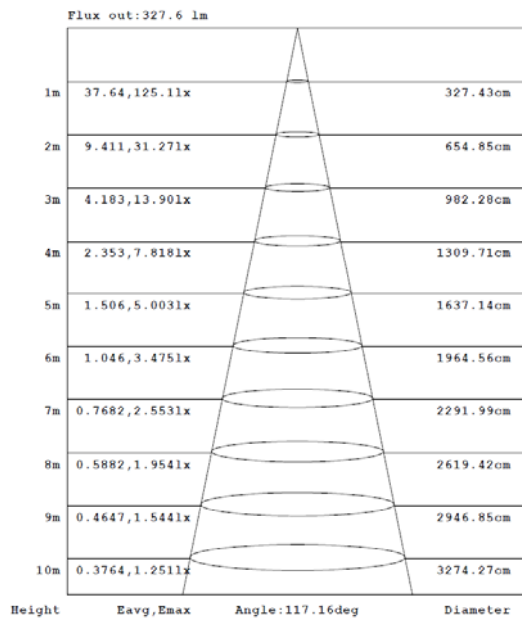
▼ Basic Parameters

Model	CCT/colors	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Cutting unit (mm)
NNT1615-8XX24CSN050CC1500	2300K	>80	24V	0.459	11	750	W16*H15	15000mm	41.66
	2700K					780			
	3000K					800			
	3700K					820			
	5000K					800			
NNT1615-0RGB24CXN050XC0500	RGB R 620-630nm G 525-530nm B 465-470nm	/		0.5	12	/		5000mm	50

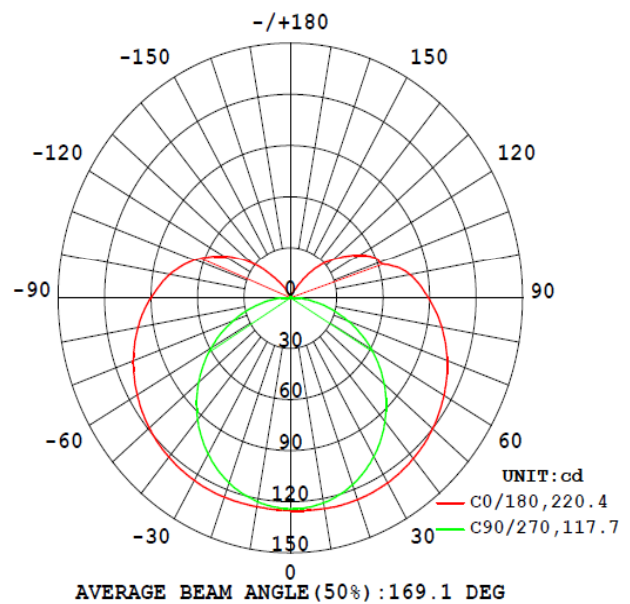
Note :

1. The above data is the testing result of 1M standard product;
2. The power and lumens of output data can be vary up to ±10%;
3. The above parameters are all typical values.

▼ Light Distribution



Effective average illuminance

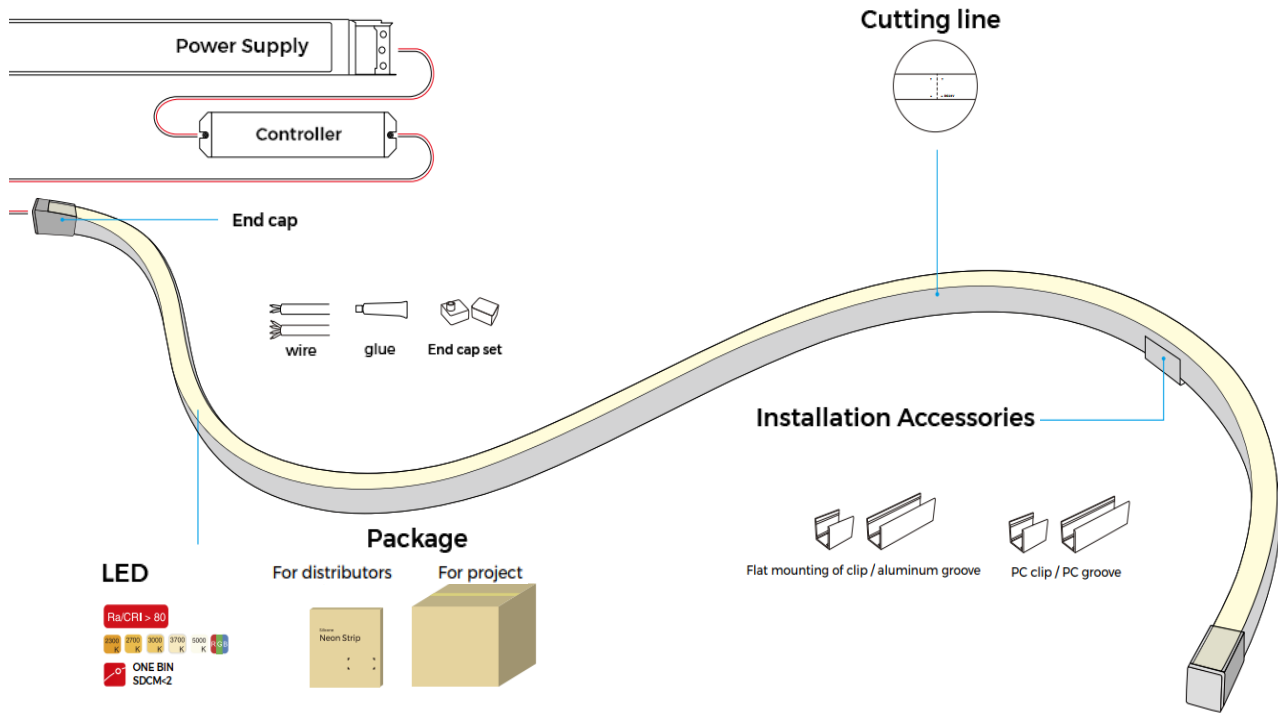


Light distribution

Note: The above data is the testing result of CCT 3700K, if there is need for the IES files of other colors, please download the specific file through the IES data bank.



▼ System solution





▼ Accessory information

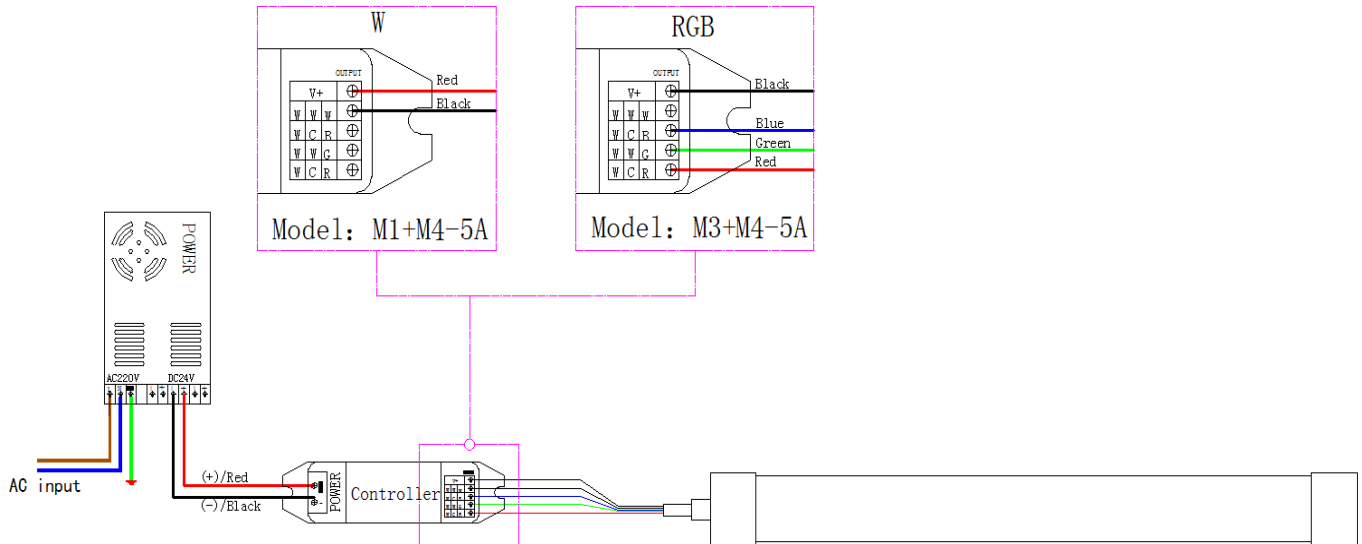
Name	Description	Image	Sectional size	Ordering code	Product quantity/case (PCS)	Product quantity/case (kg)	Net weight per box (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Alumina carrier	Flat mounting aluminum groove			AS-NNT1615A-1000	40	0.098	3.92	4.97	1200*112*50	Size : L1000*W17.8* H7.9mm , with screws
Aluminum clip	Flat mounting of clip			AS-NNT1615A-25	800	0.0047	3.76	4.06	250*250*150	Size : L25*W17.8* H7.9mm , with screws
PC carrier	Flat mounting PC groove			AS-NNT1615P-1000	40	0.0667	2.668	3.718	1200*112*50	Size : L1000*W19.4* H7.9mm , with screws
PC carrier	Flat mounting of PC clip			AS-NNT1615P-25	800	0.0038	3.04	3.34		Size 尺寸 : L25*W19.4* H7.9m , with screws
End cap set	End cap set, including end cap and plug			AS-NNT1615GH0-EC	400	0.0035	1.4	1.7		/
Glue	588G acidic glue		/	AS-PG-0002	150	0.014	2.1	2.4	250*250*150	10ml/pcs
Wire	2P PVC wire (0.5M)		/	AS-WS-0007	150	0.026	3.9	4.2		Suitable for single color strip
Wire	2P PVC wire (2M)		/	AS-WS-0008	125	0.104	13	13.3		
Wire	4P PVC wire (0.5M)		/	AS-WS-0011	100	0.0277	2.78	3.08		Suitable for RGB strip
Wire	4P PVC wire (2M)		/	AS-WS-0012	20	0.1139	2.28	2.58		
Connector	2PIN IP68 waterproof connector		/	AS-FC-0001	512	0.016	8.192	9.5	365*365*190	Suitable for single color strip
Connector	4PIN IP68 waterproof connector		/	AS-FC-0003	288	0.03	8.64	9.6		Suitable for RGB strip



▼ Solution of controll system

	Name	Model	Ordering code	Parameters	Dimming constant-voltage acceptor	Suitable products
	Single color dimming set	M1+M4-5A	23-01-00-0045	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power:240W/480W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	White color strip
	RGB set	M3+M4-5A	23-01-00-0046	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 6A*3CH Max 18A Maximum loaded power:216W/432W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	RGB LED strip

▼ Wiring Diagram



▼ Installation Guidance

Installation of clip

1. Use screws to fix the clips or carriers on the mounting position

⚠ Clip: 3 clips can be used for 1m:

Installation of carrier

1. When installing the LED strip, install it from both ends at the same time, installation from one direction is prohibited.

⚠ If the length of LED strip is over 2m, it is recommended to install by two persons.

> 2m

2. Use tool to disassemble carefully, and do not pull the LED strip directly.

⚠ If the length of LED strip is over 2m, it is recommended to disassemble by two persons.

> 2m



▼ Packaging Solutions

General package

PN:NNT1615 PN:NNT1615
Color:RGB Color:RGB
DC 24V DC 24V



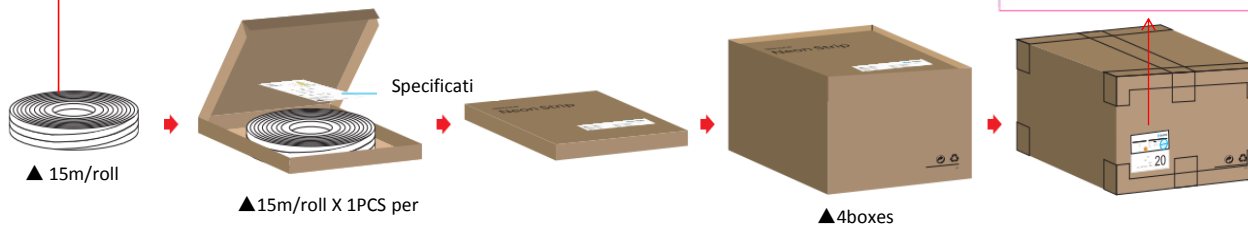
NNT 1615

Voltage: DC24V Type: Silicon neon strip
Power(Typ): 12W/m Part NO: XXXXXXXXXX
Power(Max): 14.4W/m SQ: 1704018
Color/CCT: RGB Size: 5000X16X15mm
IP: IP67 Date: 20170401

www.colorsled.com 3000K

QTY: PCS
N.W: KGS
C.W: KGS
QC Date:20170503 No.: **20**

PN:NNT1615 PN:NNT1615
Color:3000K Color:3000K
DC 24V DC 24V



NNT 1615

Voltage: DC24V Type: Silicon neon strip
Power(Typ): 11W/m Part NO: XXXXXXXXXX
Power(Max): 12W/m SQ: 1704018
Color/CCT: 3000K Size: 15000X16X15mm
IP: IP67 Date: 20170401

www.colorsled.com 3000K

QTY: PCS
N.W: KGS
C.W: KGS
QC Date:20170503 No.: **20**

Model	Product size	Product Quantity/box	Product Quantity/case	Product net weight (kg)	Net weight per box (kg)	Gross weight (kg)	Carton size (M)
NNT1615-XXX24CSN050CCXXX	L5000*16*15mm	5M*3	60M	1.05	12.6	14.08	0.41*0.41*0.26M
	L15000*16*15mm	15M*1	60M	2.75	11	12.8	



Package for distributor

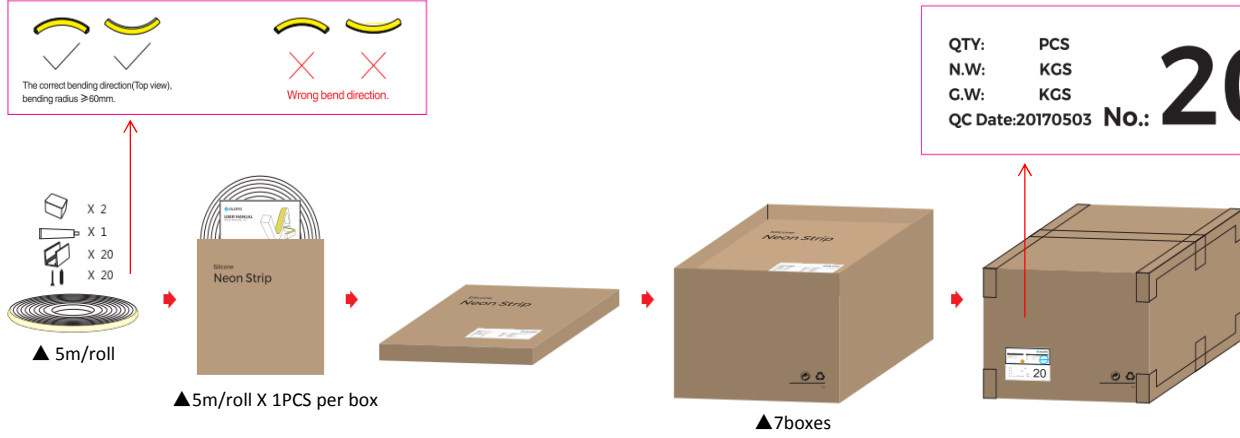
PN:NNT 1615 PN:NNT 1615
 Color:RGB Color:RGB
 DC 24V DC 24V

NNT1615

Voltage: DC24V Type: Silicon neon strip
 Power(Typ): 12W/m Part NO: XXXXXXXXXX
 Power(Max): 14.4W/m SO: 1704016
 Color/CCT: RGB Size: 5000*16*15mm
 IP: IP67 Date: 20170401

www.colorsled.com 3000K

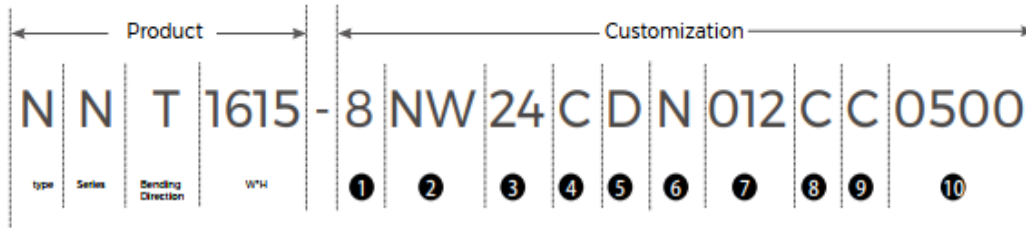
QTY: PCS
 N.W: KGS
 G.W: KGS
 QC Date:20170503 No.: **20**



Model	Product size	Product Quantity/box	Product Quantity/case (kg)	Product net weight (kg)	Net weight per box (kg)	Gross weight (kg)	Carton size (M)
NNT1615-0RGB24CDN050BC0500	L5000*16*15mm	5M*7	35M	1.2	8.4	10.75	0.365*0.365*0.19M



▼ Ordering Code



Simple steps, open to the outside world in an all-round way, customize personalized product

CRI	Code	1
RGB or colorful, no CRI	0	
CRI-80	7	
CRI-80	8	
CRI-90	9	

CCT/color	Code	2
2200-2400K	LW	
2600-2800K	SW	
2800-3200K	WW	
3200-3800K	PW	
3800-4200K	NW	
4800-5200K	DW	
Red	R	
Green	G	
Blue	B	
Yellow	Y	
Adjustable CCT	SWW	
RGB	RGB	
RGBW	RGBW	
RGBX	RGBX	

Operating voltage	Code	3
DC5V	05	
DC12V	12	
DC24V	24	
DC48V	48	

Silk Printing	Code	4
COLORS	C	
Neutral	N	
Customized	S	

Entry cable	Code	5
One end	S	
Dual-ends	D	
No	X	

Wire Type	Code	6
PVC	N	
No wire	X	
Silicone wire	S	

Wire Length	Code	7
50CM	050	
No wire	000	

COLORS	Code	8
COLORS	C	
Package for distributors	B	

Label Type	Code	9
COLORS	C	
Customized	S	

Strip Length	Code	10
50m/reel	5000	
15m/reel	1500	
10m/reel	1000	
5m/reel	0500	

IP	Code	11
IP68	EP	
IP67	NP	

Example : NNT1615-8LW24NSN050CC1500

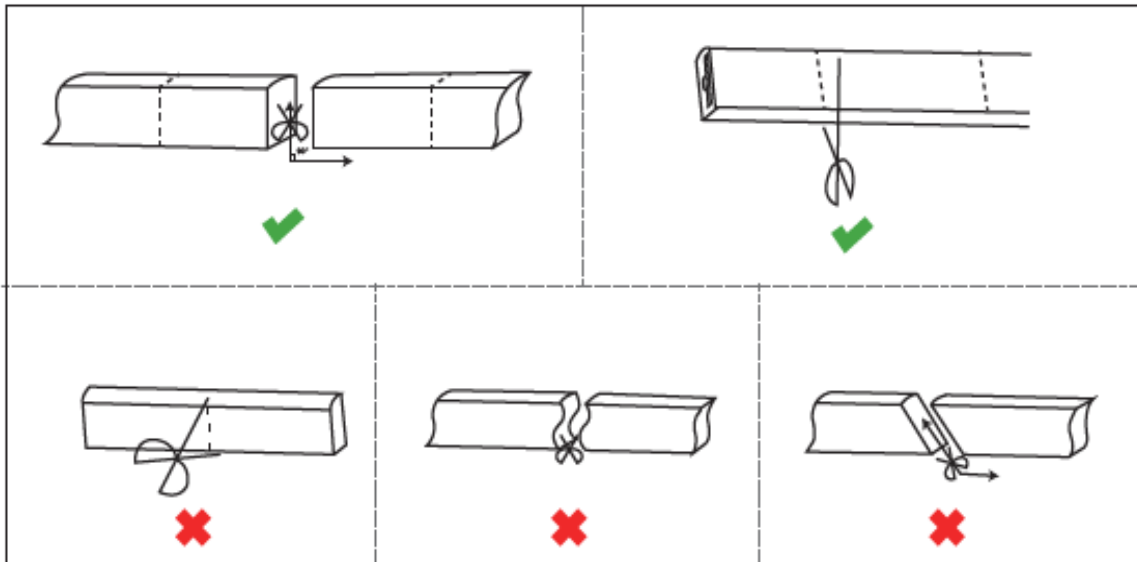
Silicone neon strip (top bend) , width*height: 16*15mm, 2835LED, CRI 80, CCT after gluing : 2300K, DC24V, silk printing- neutral, one end entry cable 50CM, brand package 15m/roll.



▼ Precautions

- Use a 24V DC isolated power supply to drive the neon lamp strip and the ripple wave of constant voltage source shall be less than 5%. It is not allowed to use RC voltage reduction or non-isolated power supply to drive the neon lamp strip.
- In actual applications, 20% of the power supply shall be kept (only 80% of the power is used) to guarantee that sufficient voltage is available to drive the product.
- Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock.
- Attention shall be paid to the positive and negative poles of the wires during installation and whether the power supply conforms to required voltages to avoid damages.
- Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability, the bending diameter too small will damage the product itself.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness.
- To keep the eyes from being harmed, try to avoid staring at the glowing side of the LED strip for a long time.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- Do not use any acid or alkaline adhesive to fix products (including not limited to glass cement, etc.)
- Products with different IP grade should be used in different environments, the product with IP67 is not suitable for use in water-immersed environment .
- The final color of products with different sizes and specifications is slightly deviated due to structural differences under the same color temperature, which should be confirmed before use.

Cutting method



It is forbidden to wrap objects less than 60mm

