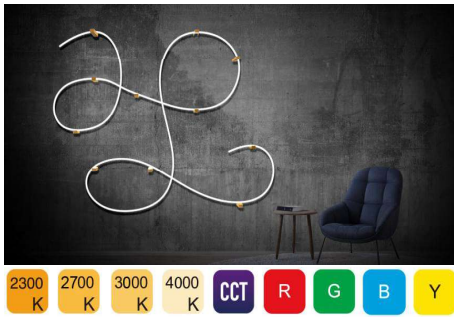


# Specification

## Round Neon Series NNR18



## ▼ Features

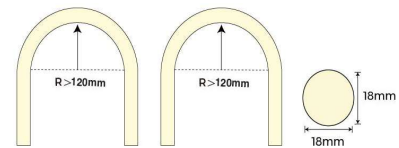


- ※ Light source: High luminous efficiency, LM80 test proved.
- ※ Process & Material: High light transmittance, food-grade environmental silicone material, integrated extrusion molding technology, High protection level.
- ※ Optical Design: Unique optical light distribution structure design, uniform lighting 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:-30~55℃ / 0℃ ~ 60℃.
- ※ Life Span: 36000H, 3 years warranty .

## ▼ Product Application

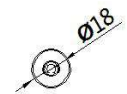
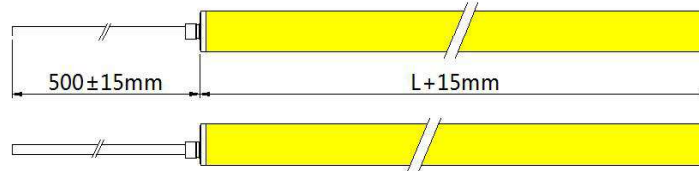
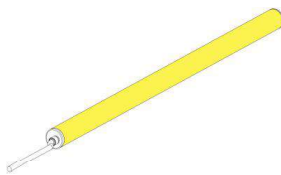
- ※ 3-dimensional space styling
- ※ Indoor decorative lighting

## ▼ Product Bending Application



## ▼ Product's protective techology & structure size

### IP65 Top outlet



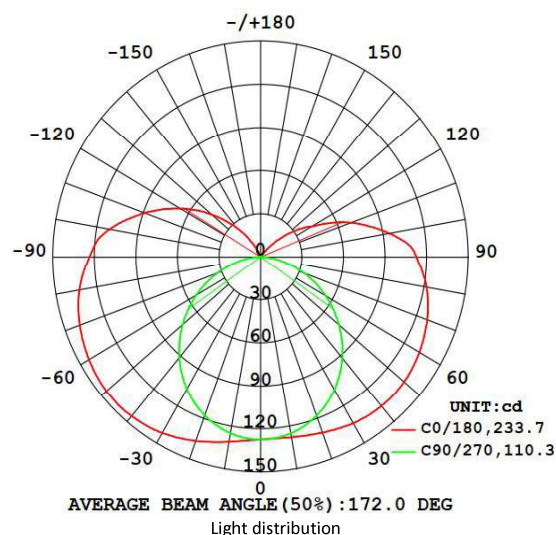
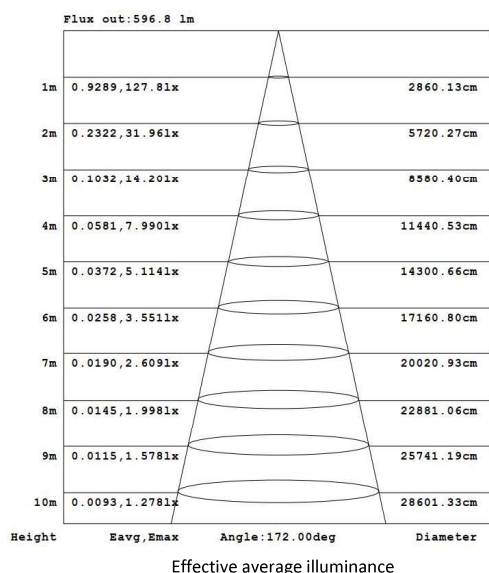
## ▼ Basic Parameters

Model	CCT/colors	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Remark
NNR18-9XX 24CDN050CC0500-ESD	2300K	>90	24V	0.6	14.4	850	Φ18	5000mm	
	2700K					1000			
	3000K					1000			
	4000K					1000			
NNR18-0X 24CDN050CC0500-ESD	R 620-630nm	/	24V	0.6	14.4	/	Φ18	5000mm	
	G 525-530nm								
	B 465-470nm								
	Y 587-592nm								
NNR18-9LWNW 24CDN050CC0500-ESD	2300K~4000K	>90				700			

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  $\pm 10\%$ ;
- 3、he above parameters are all typical values;

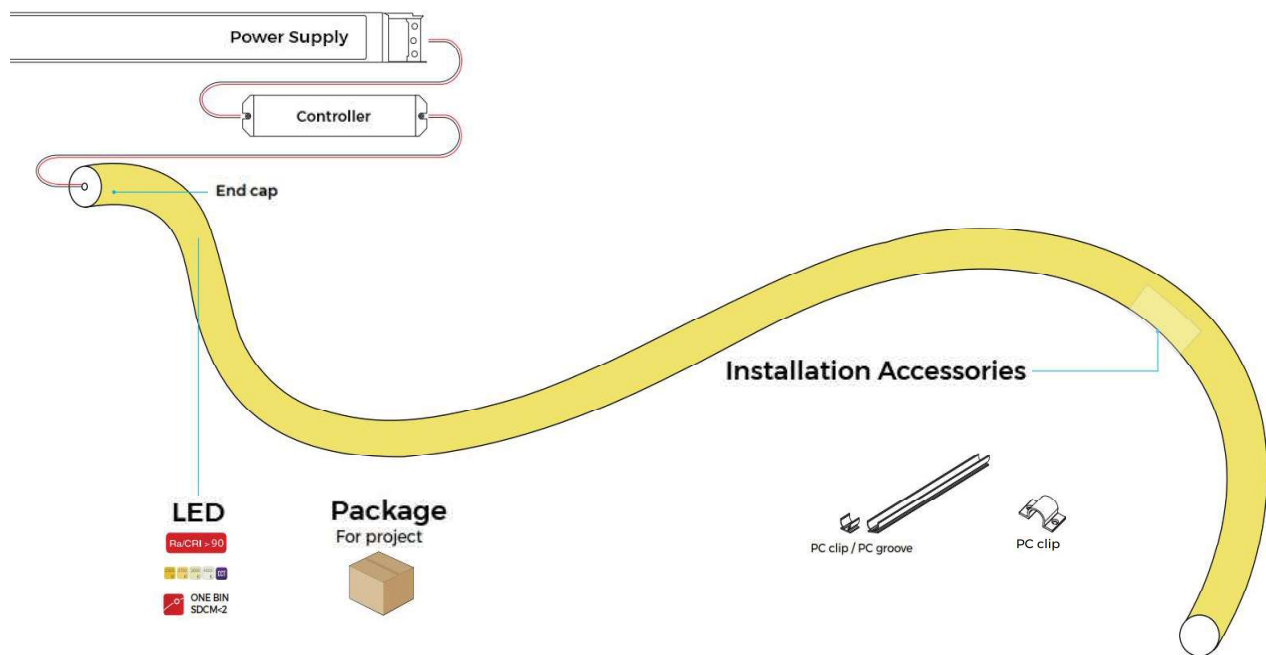
## ▼ Light Distribution




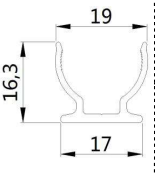

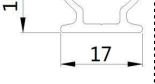

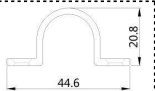


Note: The above data are based on the color temperature of 4000K monochrome. If you need other color IES files, please download the corresponding model from the IES database.





## ▼ Product System Solutions



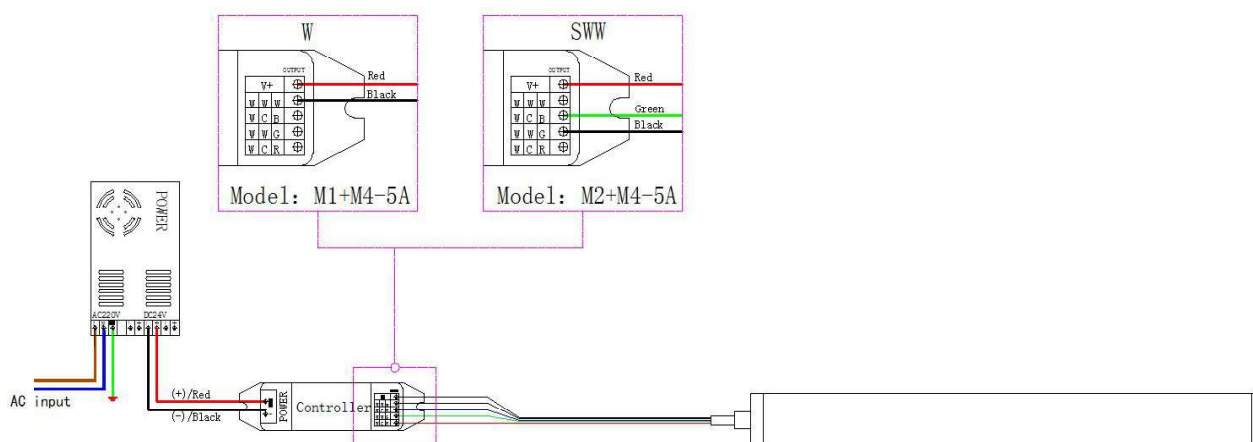
## ▼ Accessory information

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
PC carrier	Flat mounting PC groove			AS-NNR18P-1000	48	0.08	3.84	4.84	1180*125*115	Size: L1000*W19*H16.3mm, with screws
PC carrier	Flat mounting of PC clip			AS-NNR18P-60	200	0.008	1.6	1.8	250*250*150	Size: L60*W19*H16.3mm, with screws
PC carrier	Flat mounting of PC clip			AS-NNR18P1-25	200	0.005	1	1.2	250*250*150	Size: L25*W44.6*H20.8mm, with screws
connector	2PIN IP68 Waterproof connector		/	AS-FC-0001	512	0.016	8.192	9.5	365*365*190	Suitable for single color strip
connector	3PIN IP68 Waterproof connector			AS-FC-0002	512	0.018	9.216	10.2	365*365*190	Suitable for SWW strip

## ▼ Product Control System

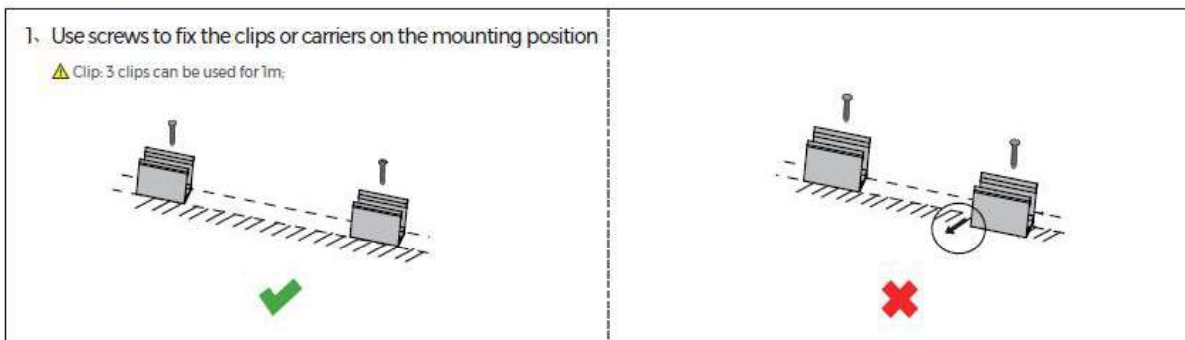
Name	Model	Ordering code	Parameters	Dimming constant-voltage acceptor	Suitable products
 Single color dimming set	M1+M4-5A	23-01-00-0045	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum 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
 CCT set	M2+M4-5A	23-01-00-0005	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)	SWW dual CCT LED strip

## ▼ Wiring Diagram

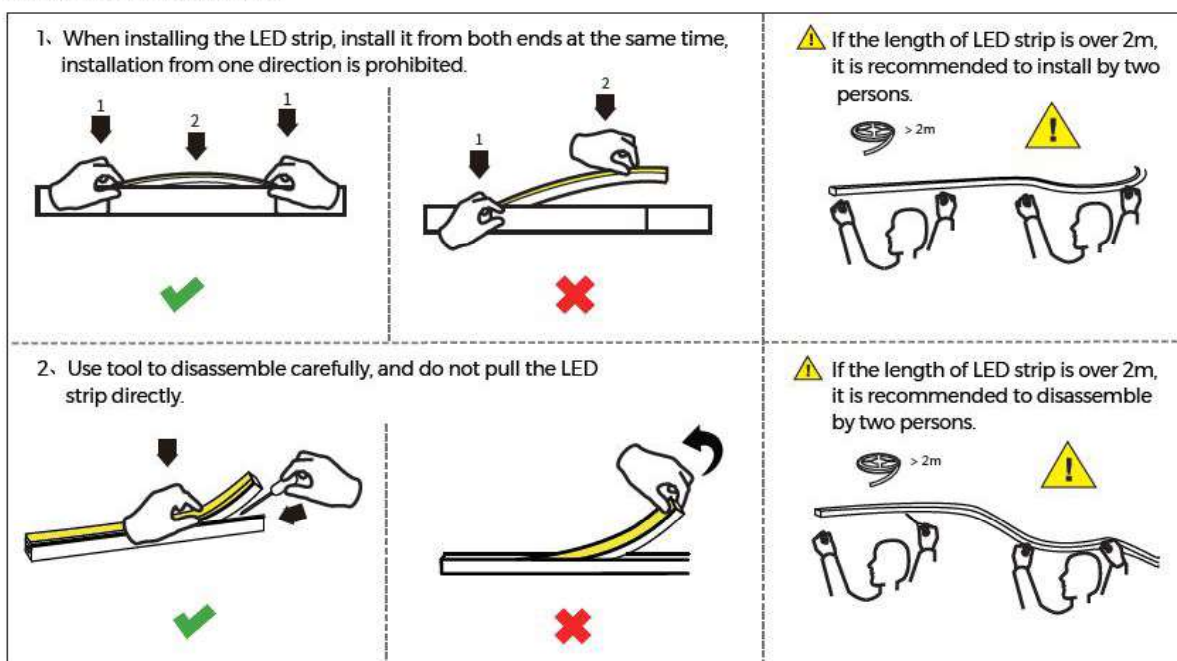


## ▼ Installation Guidance

### Installation of clip



### Installation of carrier



## ▼ 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 120mm 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.)
- Product is not suitable for use in swimming pools and fountains.
- Please confirmed before usage as products of varied sizes show slight differences in their color under same color temperature due to their structural differences.
- It is forbidden to cut the product to avoid lamp body damage due to improper operation.

