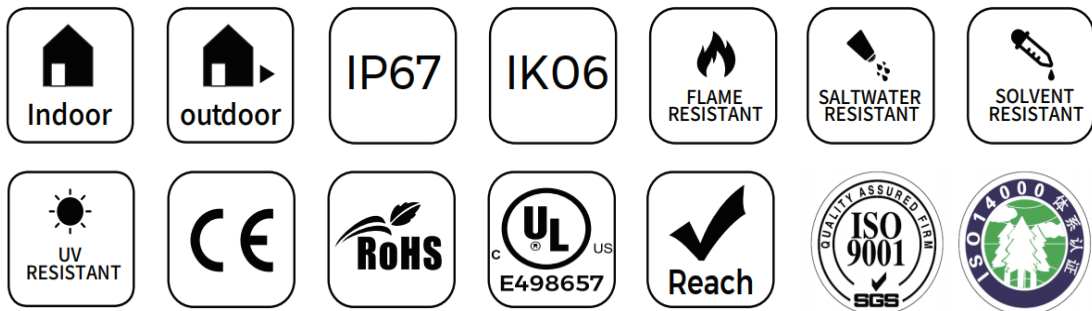


# Specification

## Planar Neon Series NMS0612-Plus



### ▼ Features

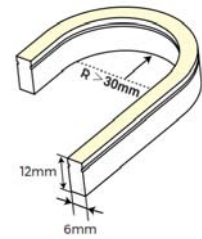


- ※ Light source: High luminous efficiency, LM80 proved.
- ※ Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- ※ Optical Design: Unique optical light distribution structure design, uniform lighting surface and no shade
- ※ 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°C / 0°C ~ 60°C.
- ※ 3 years warranty , life span over 36000 hours.

### ▼ Application

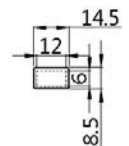
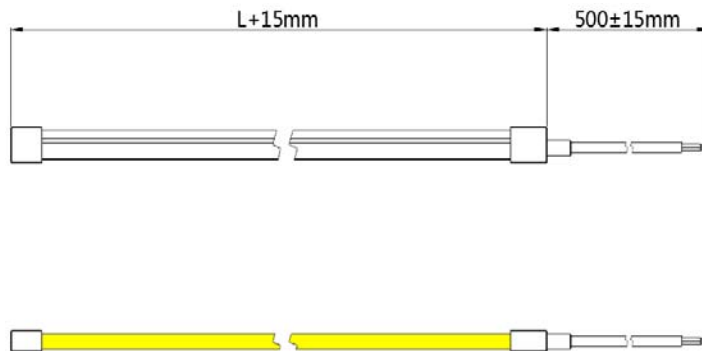
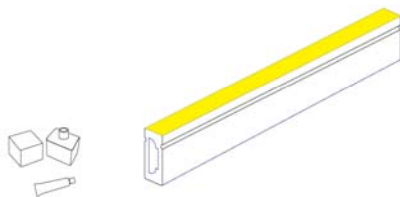
- ※ Signage lighting
- ※ Outdoor/indoor lighting

### ▼ Bending application



### ▼ IP Process& Structure Parameters

#### IP67 silicone end cap

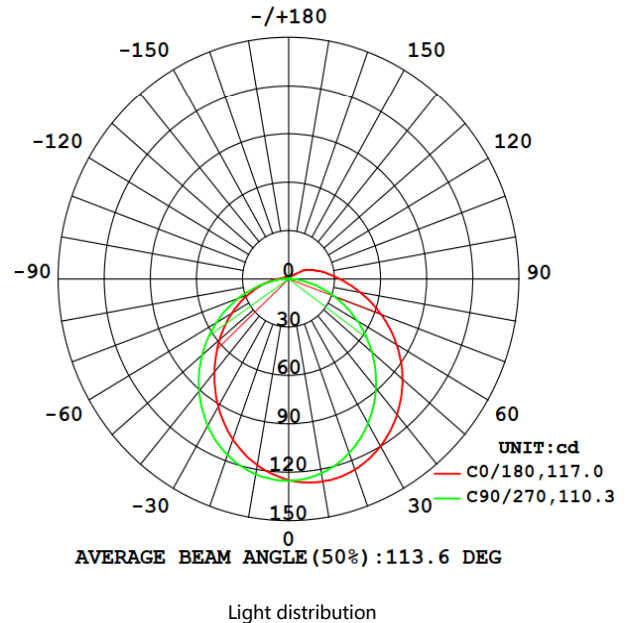
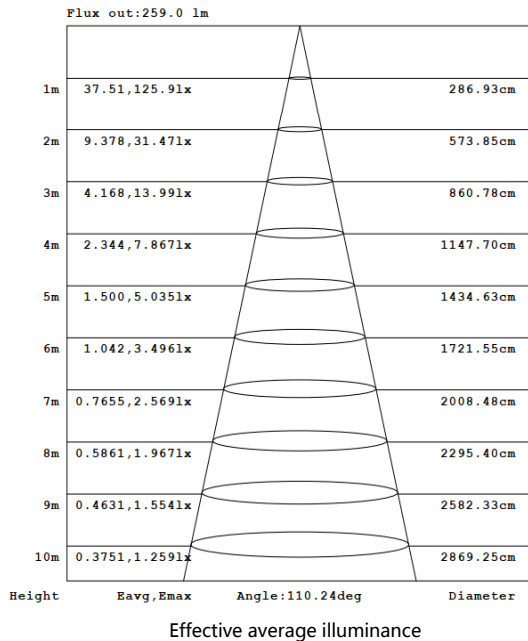


### ▼ Basic Parameters

Model	CCT/colors	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Cutting unit (mm)
NMS0612-9XXXCSN050CC0500-Plus	2300K	>90	12V/24V	0.8A/0.4A	9.6	250	W6*H12	5000mm	25 ( 12V ) 50 ( 24V )
	2700K					280			
	3000K					280			
	4000K					280			
NMS0612-9LWNWXXCSN050CC0500-Plus	2300K~4000K	>90	12V/24V			280		31.25 ( 12V ) 62.5 ( 24V )	
NMS0612-0XXXCSN050CC0500-Plus	R 620-630nm	/	48V	0.67A/0.34A	8	/	W6*H12	30000mm	25 ( 12V ) 50 ( 24V )
	G 525-530nm								
	B 465-470nm								
	Y 587-592nm								
NMS0612-9XX48CSN050CC3000-Plus	2300K	>90	48V	0.11A	5.3	150			100
	2700K					170			
	3000K					170			
	4000K					190			

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





Note: The above data is the testing result of CCT 4000K, if there is need for the IES files of other colors, please download the specific file through the IES data bank.

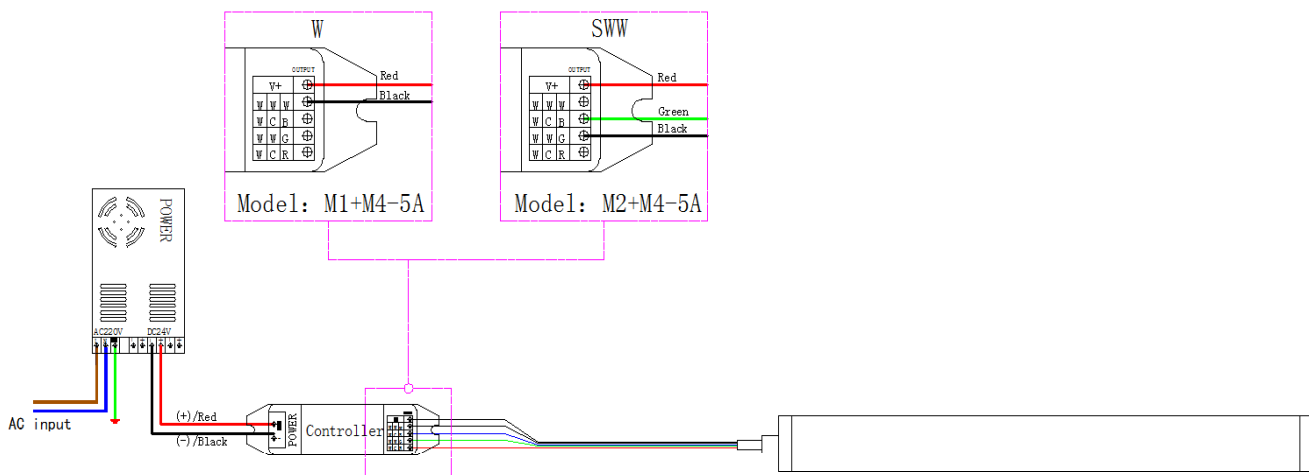




## ▼ Product Control System Solution

	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

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

### 5m Packaging Solutions

PN:NMS0612-Plus    PN:NMS0612-Plus  
 Color:3000K        Color:3000K  
 DC 24V                DC 24V



**NMS0612**

Voltage: DC24V    Type: Silicon neon strip  
 Power(Typ): 10.6W/m    Part No: X0000000000  
 Power(Max): 9.6W/m    SO: 1704216  
 Color/CCT: 3000K    Size: 5000X6X12mm  
 IP: IP67    Date: 20170401

www.colorsled.com    3000K

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

### 30m Packaging Solutions

PN:NMS0612-Plus    PN:NMS0612-Plus  
 Color:3000K        Color:3000K  
 DC 48V                DC 48V



**NMS0612-Plus**

Voltage: DC48V    Type: Silicon neon strip  
 Power(Typ): 5.3 W/m    Part No: X0000000000  
 Power(Max): 6 W/m    SO: 1704216  
 Color/CCT: 3000K    Size: 3000X6X12mm  
 IP: IP67    Date: 20170401

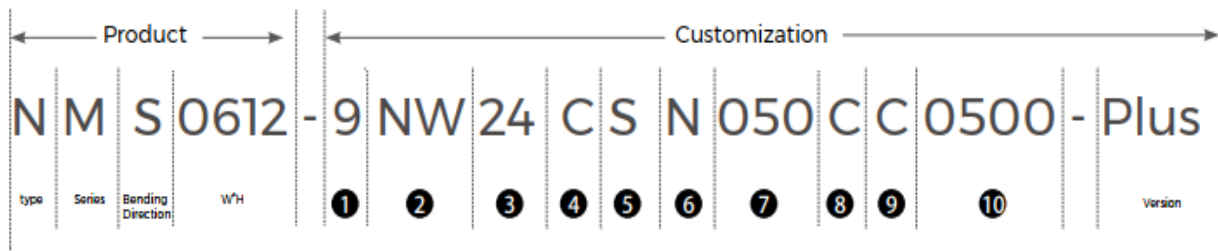
www.colorsled.com    3000K

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

Model	Product size	Product Quantity/bag	Product Quantity/carton	Product net weight ( kg )	Net weight per box ( kg )	Gross weight ( kg )	Carton size ( M )
NMS0612-9XXXXCSN050CC0500-Plus	L5000*6*12mm	5M*1	80M	0.48	7.68	9.32	0.41*0.26*0.26M
NMS0612-9XX48CSN050CC3000-Plus	L30000*6*12mm	30M*1	240M	2.88	23.04	24.6	0.41*0.26*0.26M



## ▼ 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
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
IP67	EP	
IP67	NP	

Example : NMS0612-9LW24CSN050CC0500-Plus

Silicone neon strip ( side bend ) , width\*height: 6\*12mm, 2835LED, CRI >90, CCT after gluing : 2300K, DC24V, silk printing- neutral, one end entry cable 50CM, brand package 5m/roll, plus version.





## ▼ 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 30mm 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

