Specification

Planar Neon Series
NTS0410

Indoor | **IP65** | **IK06** | **FLAME RESISTANT** | **SALTWATER RESISTANT** | **SOLVENT RESISTANT** | **UV RESISTANT**

CE | RoHS | UL c E498657 us | Reach | ISO 9001 QUALITY ASSURED FIRM SGS | ISO14000

▼Features

※ Light source: High luminous efficiency, SMD2835, 2735, LM80 proved.

※ Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP65.

※ 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℃ / 0℃~60℃.
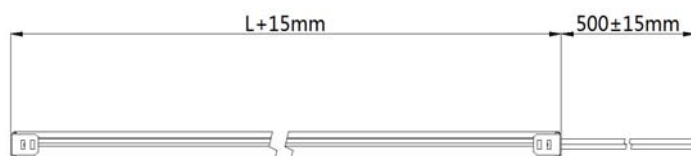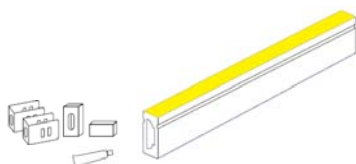
※ 3 years warranty, life span over 36000 hours.

| 2300 K | 2700 K | 3000 K | 4000 K | R | G | B | Y |

▼Application

※Signage lighting
※indoor lighting

▼Bending application

R＞30mm

10mm

4mm
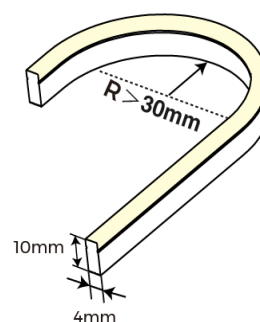
▼IP Process& Structure Parameters

IP65 metal clip + silicone end cap

L+15mm

500±15mm

2PIN (W/R/G/B/Y)

10

4.2

▼ Basic Parameters

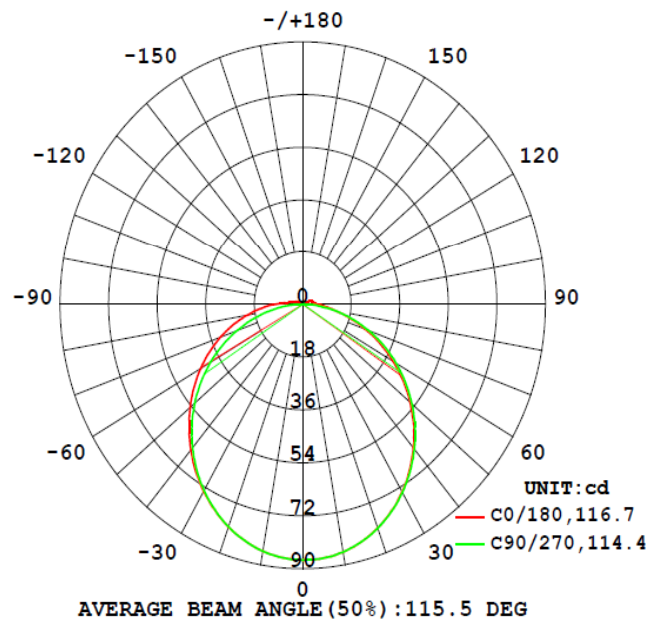| Model	CCT/colors		CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)		Size (mm)	Max.length	Cutting unit (mm)
NTS0410-8XXXXCDN050CC0500	2300K		>90	12V/24V	0.6A/0.3A	7.2	240		W4*H10	5000mm	17.86 (12V) 41.66 (24V)
	2700K						290				
	3000K						300				
	4000K						300				
NTS0410-0XXXCDN050CC0500	R 620-630nm		/				/				
	G 525-530nm										
	B 465-470nm										
	Y 587-592nm										

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

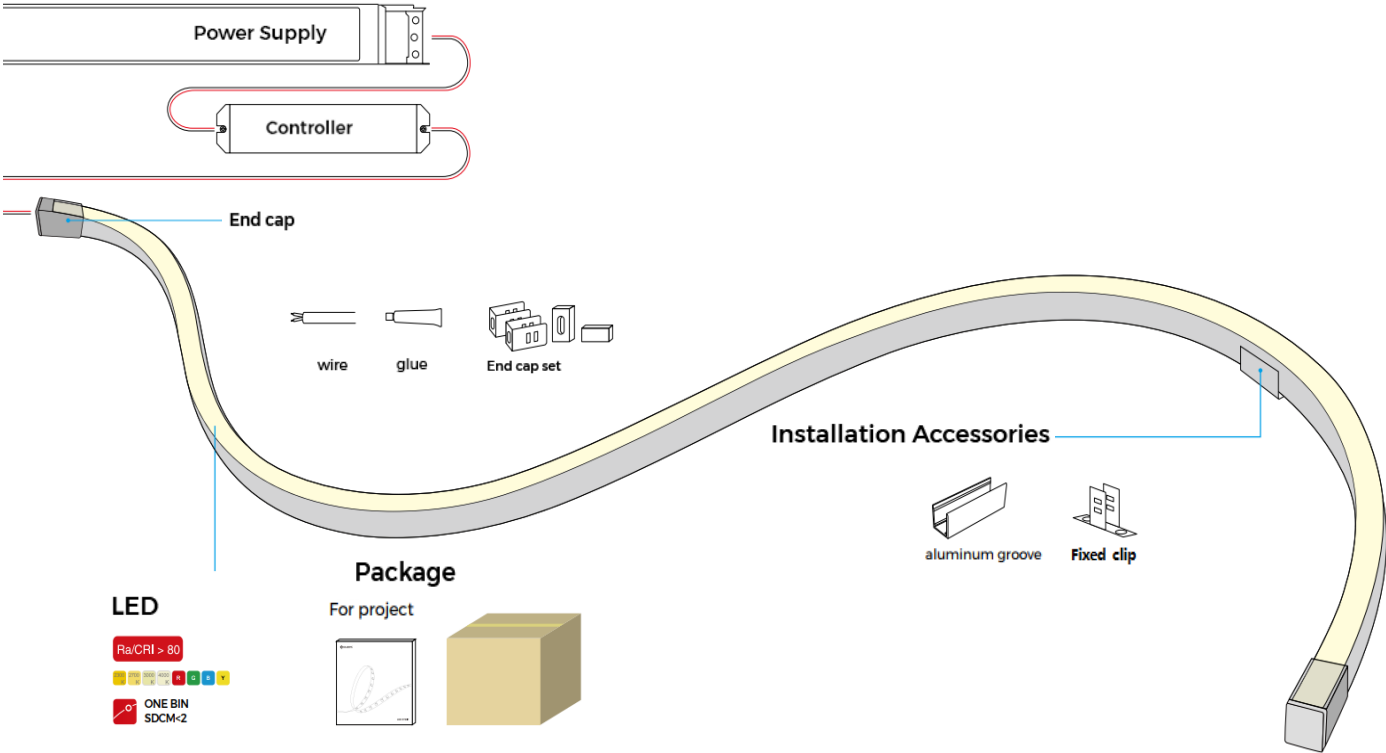| Height	Eavg,Emax	Diameter
1m	23.63,86.991x	310.31cm
2m	5.906,21.751x	620.61cm
3m	2.625,9.6661x	930.92cm
5m	0.9450,3.4801x	1551.53cm
6m	0.6563,2.4161x	1861.83cm
7m	0.4822,1.7751x	2172.14cm
8m	0.3692,1.3591x	2482.45cm
9m	0.2917,1.0741x	2792.75cm
10m	0.2363,0.86991x	3103.06cm

Angle:114.39deg
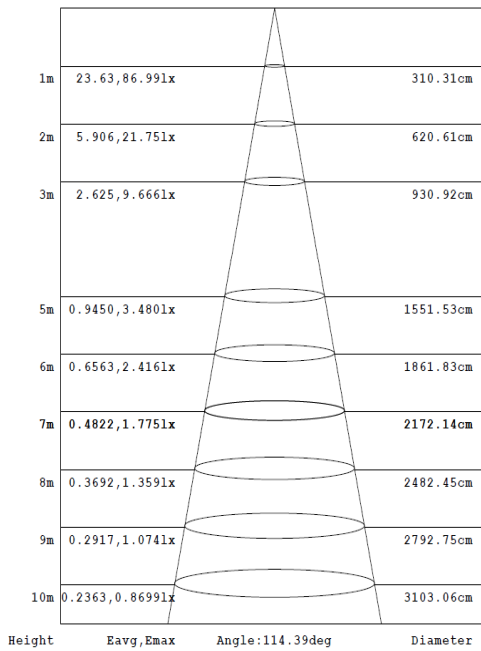
Effective average illuminance

-/+180

UNIT:cd
C0/180,116.7
C90/270,114.4

AVERAGE BEAM ANGLE(50%):115.5 DEG

Light distribution

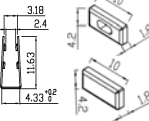Note: The above data is the testing result of CCT 4000K, if there is need for the IES files of other colors, please download the specific file through the IES data bank.

▼ System solution

Power Supply

Controller

End cap

wire　　glue　　End cap set

Installation Accessories

aluminum groove　　Fixed clip

LED

Ra/CRI > 80

ONE BIN
SDCM<2

Package

For project

tagra®

▼Accessory information

Name	Description	Imgae	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		10.15 / 6.5	AS-NTS0410A-1000	30	0.06	1.8	2.85	1100*112*50	Size：L1000*W6.5*H10.1mm
Fixed clip	Fixed clip, 0.3mm stainless steel, sprayed with white paint on the surface		3.17 2.62 9.87 5.4	AS-NTS0410S-18	2000	0.0006	1.2	1.5	250*250*150	Size：L18*W5.4*H9.9mm, with screws
Aluminum clip	End cap set, including end cap and plug		3.18 2.4 11.63 4.33	AS-NTS0410GH0-EC	2000	0.0006	1.2	1.5		/
Gray wire	2PIN gray wire（0.5M）		/	AS-WS-0009	200	0.0077	1.54	1.84		Suitable for single color strip
Gray wire	2PIN gray wire（2M）		/	AS-WS-0010	100	0.031	3.1	3.4		
Glue	588G acidic glue		/	AS-PG-0002	150	0.014	2.1	2.4		10ml/pcs

▼Wiring Diagram

POWER

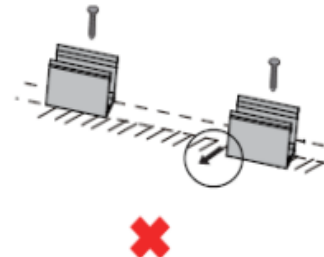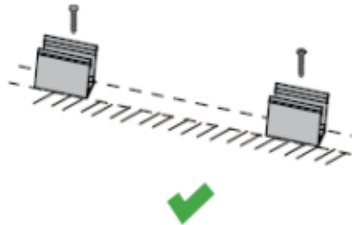AC220V DC24V

AC input

(+)/Red

(−)/Black

tagra®
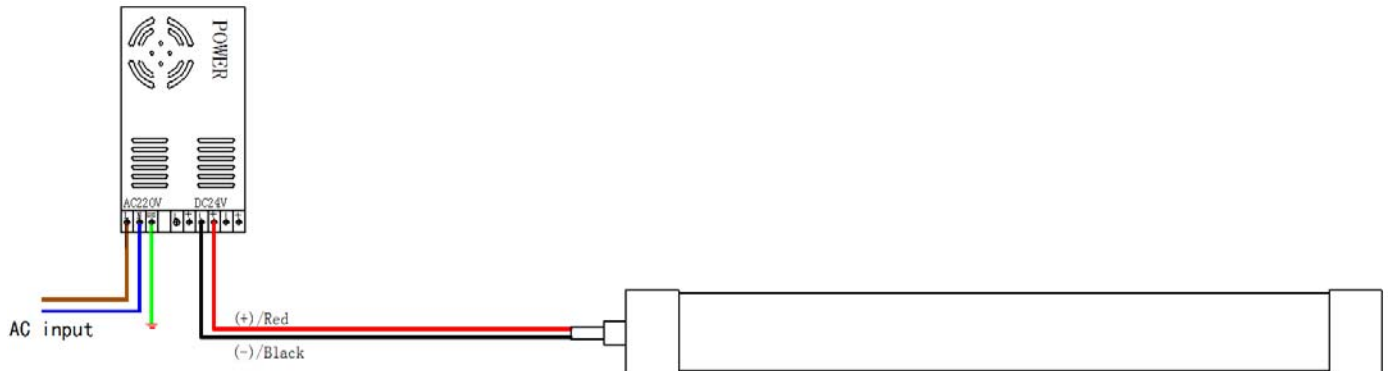
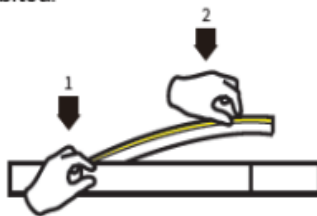## ▼Installation Guidance

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.

✔

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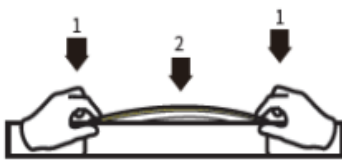
⚠ If the length of LED strip is over 2m, it is recommended to install by two persons.

> 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 ⚠
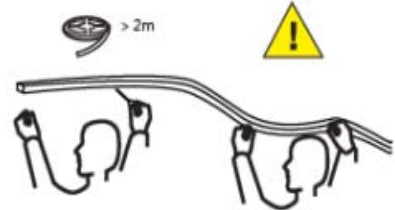
▼ Packaging Solutions

General package

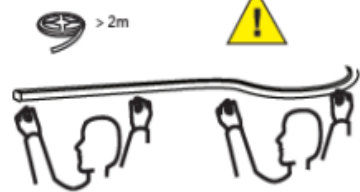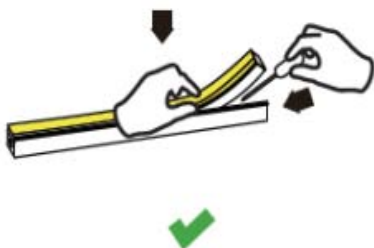
PN:NTS0410
Color:3000K
DC 24V

PN:NTS0410
Color:3000K
DC 24V

The correct bending direction(Side view),
bending radius ≥30mm.

Wrong bend direction.

▲ 5m/roll

▲5m/roll X 1PCS per box

▲30 boxes
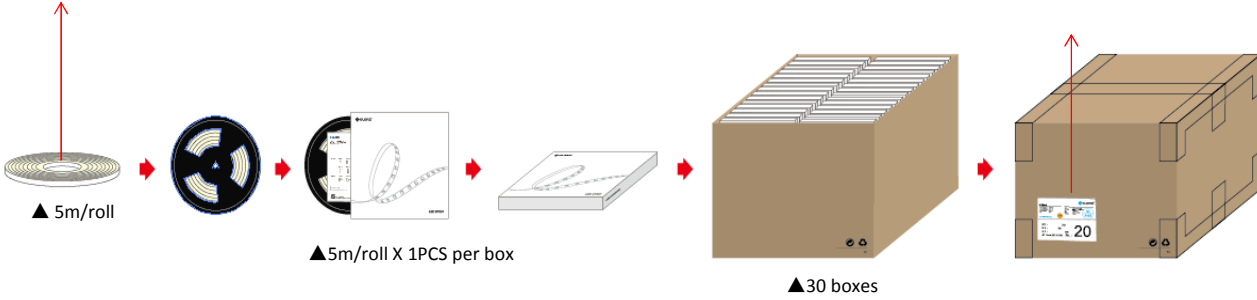
Model	Product size	Product Quantity/box	Product Quantity/case	Product net weight (kg)	Net weight per box (kg)	Gross weight (kg)	Carton size (M)
NTS0410-XXXXXNDN050CC0500	L5000*4*10mm	5M*1	150M	0.289	8.67	10.15	0.5*0.29*0.29M

▼Ordering Code


```
N T S 0410 - 8 NW 24 C D N 012 C C 0500
type Series Bending  W*H  ❶  ❷  ❸ ❹ ❺ ❻  ❼  ❽ ❾   ❿
           Direction
```

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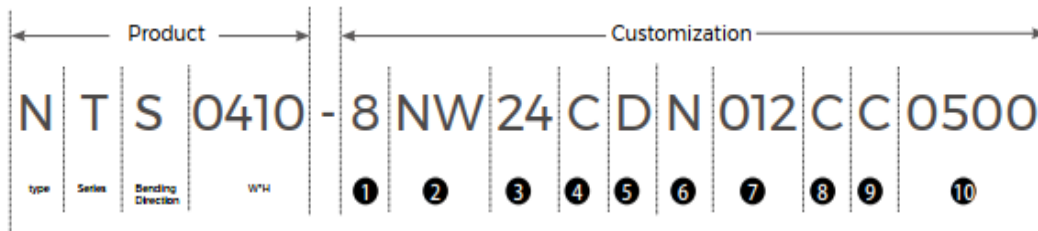
Simple steps, open to the outside world in an all-round way, customize personalized product

CRI	Code ❶
RGB or colorful, no CRI	0
CRI<80	7
CRI>80	8
CRI>90	9

CCT/color	Code ❷
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 ❸
DC5V	05
DC12V	12
DC24V	24
DC48V	48

Silk Printing	Code ❹
COLORS	C
Neutral	N
Customized	S

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

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

Wire Length	Code ❼
50CM	050
No wire	000

COLORS	Code ❽
COLORS	C
Package for distributors	B

Label Type	Code ❾
COLORS	C
Customized	S

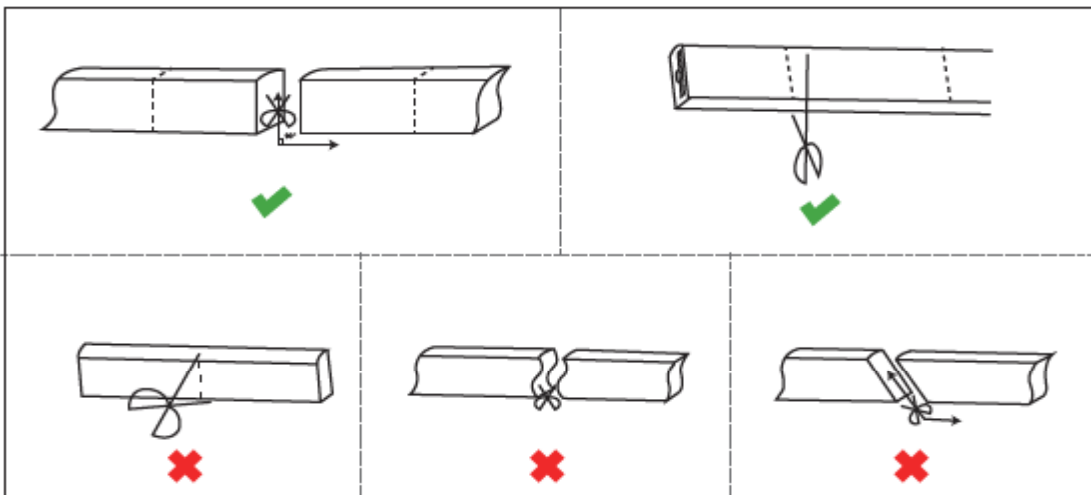| Strip Length	Code ❿
50m/reel	5000
15m/reel	1500
10m/reel	1000
5m/reel	0500

IP	Code ⓫
IP68	EP
IP67	NP

Example : NTS0410-8LW24CDN050CC0500
Silicone neon strip (side bend) , width*height: 4*10mm, 2835LED, CRI 80, CCT after gluing : 2300K, DC24V, silk printing- neutral, dual ends entry cable 50CM, brand package 5m/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 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.)

● Product of IP65 is not suitable for use in swimming pools and semi outdoor.

● 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 30mm

R > 30mm

No stretching

No contorting

No trampling