

Note: The pictures in the Product Specification are for reference only, please refer to the actual product.



# SILICONE NEON STRIP

## SK-3DN1615

Top bend & side bend

PRODUCT SPECIFICATION

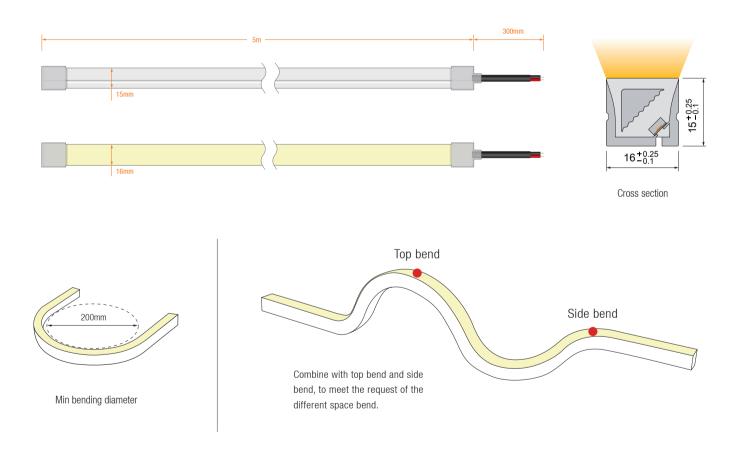
Version 2.5

## SK-3DN1615



- It is made of Dow Chemical SILASTIC<sup>™</sup> ET-7021 silicone rubber, which provides high transparency and high strength.
- Environmental protection grade silicone material, integrated extrusion molding process.
- Unique optical light distribution structure design, uniform lighting surface and no shadow.
- IP67 protection level, salt solution resistance, acids & alkalis and UV resistance.
- Excellent toughness, simple and stylish appearance, delicate and unique.
- 3 years warranty, working life  $\geq$  30000 hours.

#### **Dimension structure**



## **Electrical Parameter**

Voltage	DC24V
LED PIN Temperature	Max. 65 °C
Storage Temperature	-25 °C ~ 60 °C
Ambient Temperature	Min25°C
CRI	>90

## Specification

Power	5w/m	10w/m
Efficacy@4000K	77lm/w	73m/w
Max Ambient Temperature	55 °C	45 °C

Due to the tolerance of the production and electrical components, output value and electrical power can very up to 10%

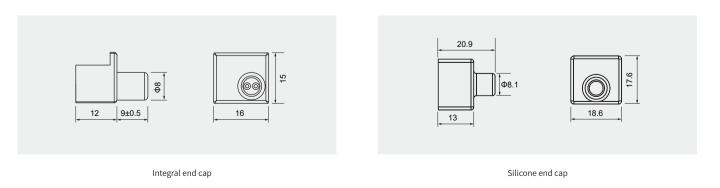
## Length Standard

Length Range (M)	Final L	Televisio	
	Integral end cap	Silicone end cap	Tolerance
0M <neon strip≪5m<="" td=""><td>L+6</td><td>L+8</td><td>土7</td></neon>	L+6	L+8	土7

## Single color (Lm/m)

	*	Č,	CCT(K)	CRI	Voltage	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	CC/CV
Resistant	UV Protection	Resistant	2100K±150	≥90	DC24V	10	600	60	50	5	CC/CV
Saltwater		to solvents	2400K±150	≥90	DC24V	10	630	63	50	5	CC/CV
			2700K±150	≥90	DC24V	10	670	67	50	5	CC/CV
IP67			3000K±150	≥90	DC24V	10	700	70	50	5	CC/CV
Waterproof			3500K±200	≥90	DC24V	10	730	73	50	5	CC/CV
Grade		4000K +400 -200	≥90	DC24V	10	730	73	50	5	CC/CV	
			5000K <u>+500</u> -300	≥90	DC24V	10	750	75	50	5	CC/CV
			6500K <u>+200</u> -600	≥90	DC24V	10	730	73	50	5	CC/CV
			Red		DC24V	10	310	31	50	5	CC/CV
			Green		DC24V	10	530	53	50	5	CC/CV
			Blue		DC24V	10	140	14	50	5	CC/CV
			Yellow		DC24V	10	260	26	50	5	CC/CV
			Pink		DC24V	10	480	48	50	5	CC/CV

## Various End Caps



## SK-3DN1615

## Integral end cap



Front Cable Entry



Closed end cap

## Silicone end cap



Front Cable Entry

Closed end cap



Side Cable Entry

Closed end cap



Bottom Cable Entry



Closed end cap

### **Mounting Way**

#### Mounting Clips

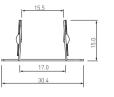


Dimension: 20x12.6x16.8mm Accessories: Screw M3x15mm

#### Curved profile



Dimension: 51.4x30.4x15mm Accessories: Screw M3x15mm





Aluminium Mounting clips

Dimension: 20x20.5x17.6mm Accessories: Screw M3x15mm

#### Suspension Installation



•Use with the profile







Dimension: 1000(±5)x18.1x18.9mm Accessories: Screw M3x15mm

## Aluminium Profile





#### SK-3DN1615 Silicone neon strip

#### Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm / Inner core: 20AWG	••	Red V+、Black V-
Waterproof Connector with PVC Cable		OD: 5.0mm / Inner core: 20AWG M12Male / Female connecto	••	Red V+、Black V-
Silicone Cable		OD: 5.0mm / Inner core: 20AWG	••	Red V+、Black V-
Waterproof Connector with Silicone Cable		OD: 5.0mm /Inner core: 20AWG M12Male / Female connecto	••	Red V+、Black V-

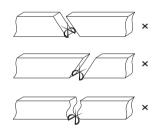
## **Cutting Mark**



Remark: The bottom of the led strip has transparent window, the black marker is the cutting position

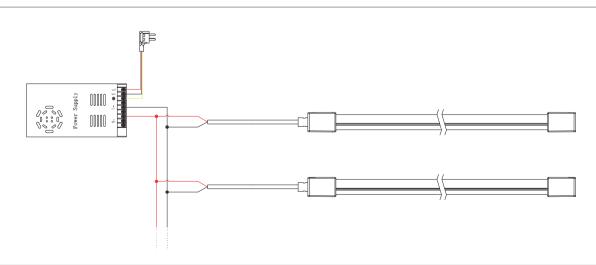


Use professional scissors to cut vertically at the cutting mark

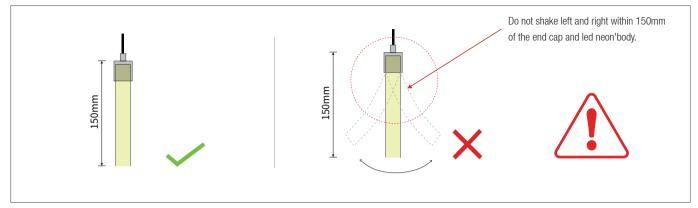


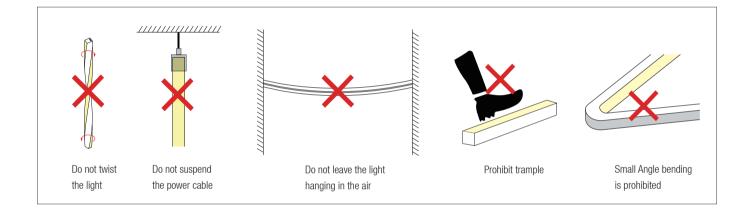
Please don't be feel free to cut and cut into an oblique angle or cambered section.

## Wiring diagram

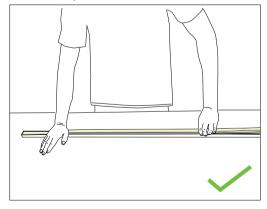


#### **Installation Precautions**

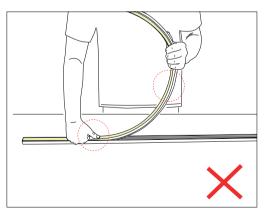




### Put it in the profile



- Please press the led strip with your palm to slowly insert the led strip into the groove, and gently straighten the led strip above the groove with your right hand.
- Try to keep the led strip in a flat state during the installation process.



- Do not press the led strip with a single finger, it is easy to damage the internal parts of the led strip.
- The bent arc of the led strip should not be too large during installation.

#### **Notes**

The selection of the cable specification at the output end of the power supply, it depends on the total current of the load and the length of the cable. It is recommended to select according to the following table:

Current	Specifications of the cable								
of the light	L=1M	L=2M	L=4M	L=6M	L=8M	L=10M	L=12M	L=14M	L=16M
1A	AWG26	AWG23	AWG21	AWG18	AWG18	AWG17	AWG16	AWG15	AWG15
2A	AWG23	AWG21	AWG18	AWG16	AWG15	AWG14	AWG13	AWG12	AWG12
ЗA	AWG22	AWG18	AWG16	AWG14	AWG13	AWG12	AWG11	AWG11	AWG10
4A	AWG21	AWG18	AWG15	AWG13	AWG12	AWG11	AWG10	AWG9	AWG9
5A	AWG20	AWG17	AWG14	AWG12	AWG11	AWG10	AWG9	AWG9	AWG8
6A	AWG18	AWG16	AWG13	AWG11	AWG10	AWG9	AWG8	AWG8	AWG7
7A	AWG18	AWG15	AWG12	AWG11	AWG9	AWG8	AWG8	AWG7	AWG6
8A	AWG17	AWG15	AWG12	AWG10	AWG9	AWG8	AWG7	AWG7	AWG6
9A	AWG17	AWG14	AWG11	AWG10	AWG8	AWG7	AWG7	AWG6	AWG5
10A	AWG16	AWG14	AWG11	AWG9	AWG8	AWG7	AWG6	AWG6	AWG5

- The unused light should be sealed with the packaging bag to avoid prolonged exposure.
  Please use DC24V isolated constant voltage power supply with ripple voltage less than 5%. Using other types of power supply may damage the light or cause other safety risks.
  In practical application, 20% allowance should be reserved for power supply to ensure the stability of power supply.
  It is recommended that professionals connect the power supply. Do not connect the power supply with live power to avoid electric shock.
  Please confirm whether the voltage of the power supply is consistent with the voltage of the light; Pay attention to the positive and negative poles of the power cord, do not connect wrong, so as not to cause product damage;
  When multiple power supplies are used, ensure that the positive poles of the power supply are not connected in parallel. Otherwise, the power supply system may be unstable or domaged after long torm power supply system may be unstable or domaged after long.
- When initiatiple power supplies are used, ensure that the positive points of the power supply are not connected in parallel. Status, damaged after long-term operation.
   If the actual application length exceeds the specified length, it will lead to overload, heating and uneven brightness of the light.
   During installation, please do not scratch, twist, or bend the light irregularly. Otherwise, the light may be damaged beyond repair.
   To ensure the life and reliability of the light, please do not over bend the light, which will damage the product itself.

- ×
- To protect your eyes, please avoid staring at the glowing surface of the light of a long time. Non-professionals are forbidden to install, disassemble and maintain the product. ×
- Do not use any acid or alkaline adhesive to fix the light (including but not limited to glass glue, etc.) IP67 products are not suitable for long-term immersion in water; IP68 products are only customized by the factory. After cutting and processing by users themselves, there is a × risk that IP68 protection level cannot be reached
- \* Because of the difference in structure, even if the same color temperature value, different sizes of light will look slightly different colors. Please confirm it before use.

Tests showed that methanol and benzenes will have yellowing effects on silicone.

In the newly decorated interior environment, epoxy floor paint, wall paint, wallpaper adhesive, various decoration materials or new furniture, they are likely to release of methanol and benzenes.

It is recommended to remove methanol and benzenes first, or ventilate for a period of time in the newly decorated interior environment before install the silicone neon light, to avoid affecting the silicone body.

Specialized LED strip Manufacturer

## SHENZHEN SHINESKY OPTOELECTRONICS CO.,LTD

Building 29, Shancheng Industrial Park, Shiyan Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: 0755-29516255 Fox: 0755-29516211 E-mail: director@shineskygroup.com