

Product specificatio

Product model: TSN400C

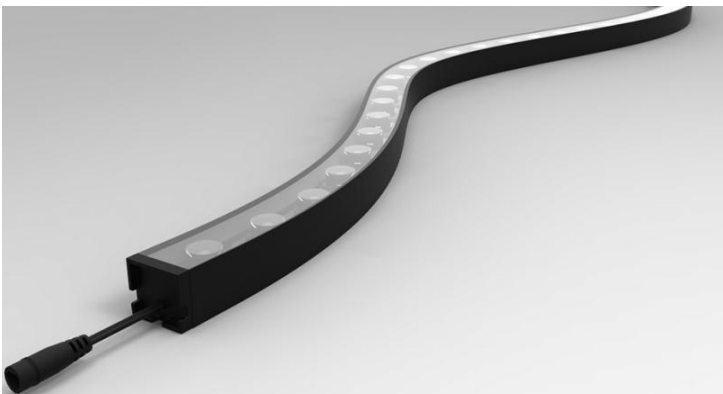
Product name: 3D flexible LED lens light strip

Version number: V1.0

1. Product features

- DC24V input (RGB DC12V), LED color consistency is good, CRI>90, even and soft lighting;
- The case is made of Dow Corning silicone. The unique 3D soft structure enables the product to be bent 360° up and down, left and right, and achieve a certain arc;
- The lens beam angle is 30° to condense the light, and the combination with LED can make the light irradiation reach 3m ;
- Regular color temperature, CCT 2700K-6500K can change color temperature, RGB color change. Suitable for various lighting applications;
- Application of arc special-shaped building wall washing lighting to solve the problem of traditional LED splicing;
- A variety of installation methods: aluminum profiles, bending profiles, installation clips.

2. Typical parameters

Product appearance drawing	technical parameter	
	size	5000*21.1*12.5mm
	Color and material of casing	Dow Corning Silicone
	power	28W/m
	Lighting Angle	30°
	color temperature	monochromatic light CCT 2700K-6500K RGB
	IP	IP 63
	length	1m
	Storage temperature	-25~+60℃
	service life	3 years
	Bending diameter	Bend up and down & left and right>300mm
Maximum connection length	4m	

Parameter model	Voltage	Power (W)	Ra	Color temperature (K)	Luminous flux (lm)	Light efficiency (lm/W)	LED Quantity (PCS/m)	angle
TSS400C	DC24V	28W/m	91.8	2700K	1629.1	60.0	2835*30PCS	30°
TSM400C	DC24V	28W/m	92.5	3000K	1721.2	60.2	2835*30PCS	30°
TSF400C	DC24V	28W/m	92.6	3500K	1664.7	59.8	2835*30PCS	30°
TSN400C	DC24V	28W/m	92.0	4000K	1688.1	60.1	2835*30PCS	30°
TSW400C	DC24V	28W/m	92.1	6500K	1699.2	61.1	2835*30PCS	30°

The above data is for reference only

TSX400C

Parameter model	Voltage	Power (W)	Ra	Color temperature (K)	Luminous flux (lm)	Light efficiency (lm/W)	LED Quantity (PCS/m)	angle
TOT400C CCT WW+W 2700K-6500K	DC24V	Max 36W/m	91.8	2700K	1054	55	3030*30PCS	30°
	DC24V	Max 36W/m	92.5	6500K	1101	67	3030*30PCS	30°

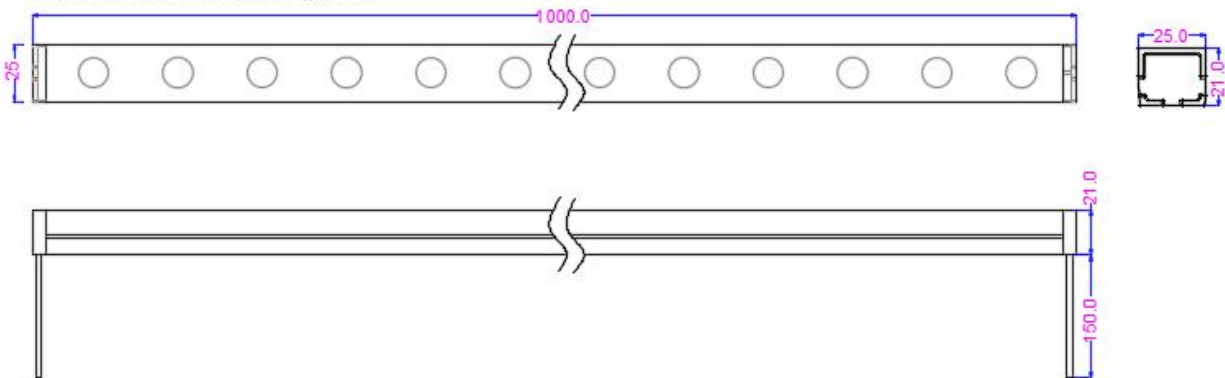
The above is the CCT WW+W test data, for reference only

Parameter model	Voltage	Power (W)	LED Quantity (PCS/m)	wavelength (nm)	Light efficiency (lm/W)	colour	angle
THQ400A RGB	DC12V	Max 36W/m	3535*45PCS	620-640	400	red	30°
	DC12V	Max 36W/m	3535*45PCS	520-540	200	blue	30°
	DC12V	Max 36W/m	3535*45PCS	450-470	800	green	

The above is the RGB test data, for reference only

3. Outline dimension drawing (mm) :

Dimension drawing:mm

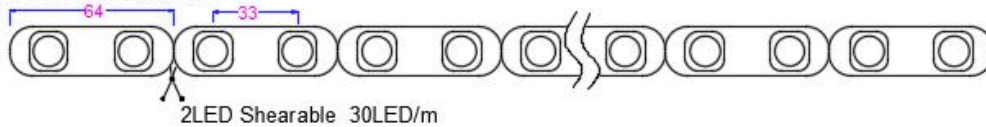


Clipping diagram

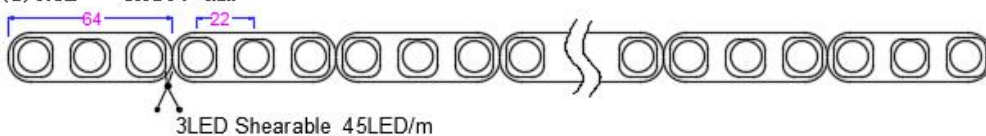
(1) Monochromatic light Unit: mm



(1) CCT Unit: mm



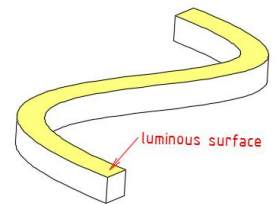
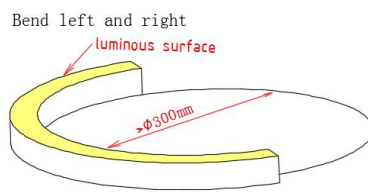
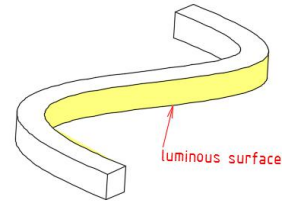
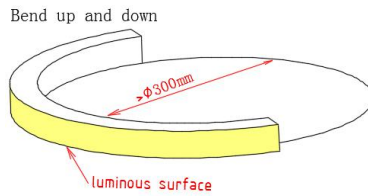
(1) RGB Unit: mm



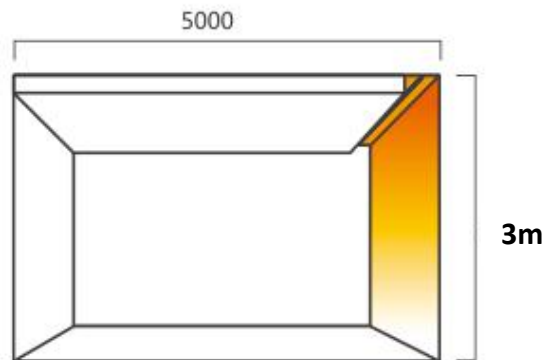
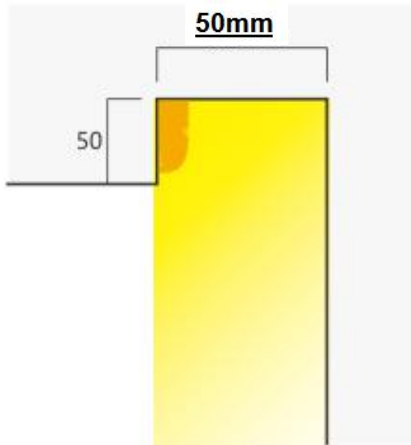
Ver. 1.0

4. Bending indication

Bending indication: This product can be bent up and down, left and right, and the minimum safe diameter of the bending arc is 30CM. Within the allowable bending radius, the LED of this product has not been damaged after repeated bending tests.



5. Bending indication



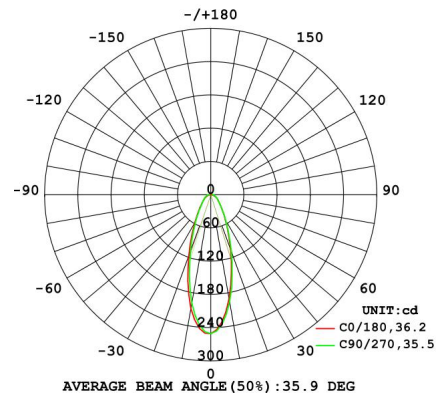
(1) The product is recommended to be placed in a 50mm+ dark groove and installed at a distance of 50mm+ from the wall;

(1) The beam angle of the product is 30° , and the light irradiation height can reach 3m-4m, which is suitable for indoor wall washing applications.

5. Optical reference

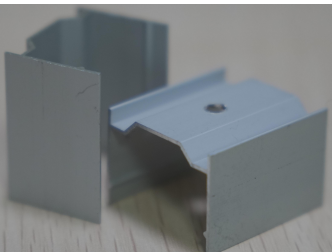


Application Reference

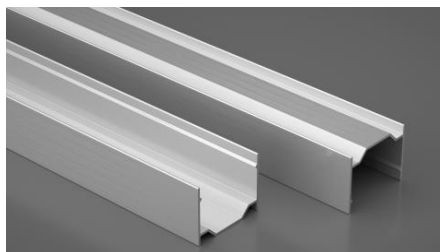


Light distribution curve

6. Optical reference



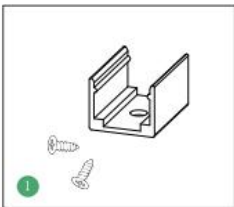
Install the retaining card



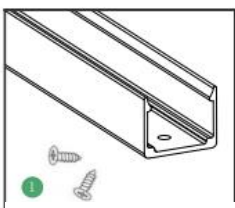
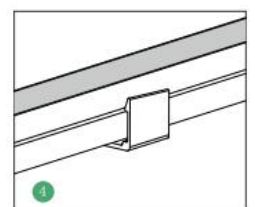
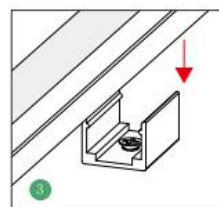
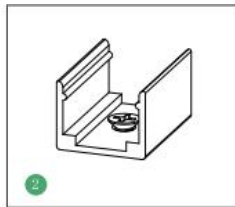
Aluminum profile



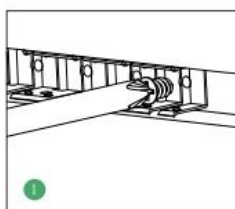
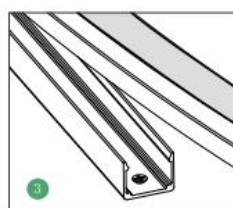
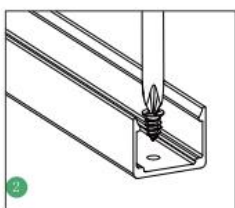
Bendable profiles



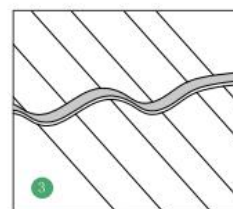
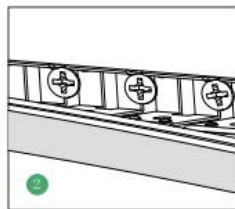
Install the retaining card



Aluminum profile

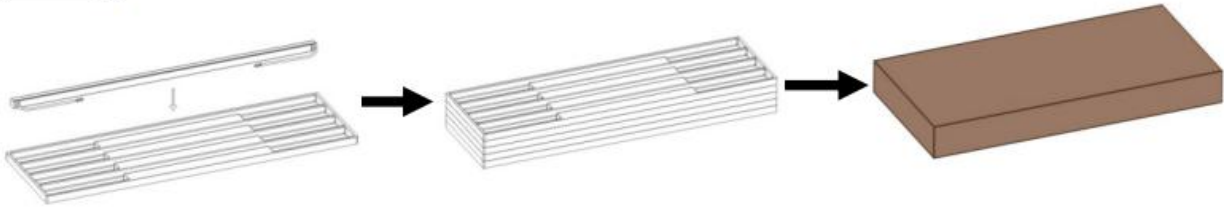


Bendable profiles



8. Packaging instructions

packing



Product size (mm)	Quantity (m/package)	Carton Size (mm)	Packing quantity (m/box)	Weight per box (kg)
1000*25. 0*21. 1	1m/package	1045*215*115	18m/box	9. 25kg

9. Special Instructions

△ the main line of the power supply uses 2 x 1.5 mm ~ 2 cables. If the power line needs to be lengthened, the wire with the size of 0.75 mm ~ 2 / 18 #, so as to avoid excessive heating of the power line caused by overload and adverse consequences. The length of the power line between the switching power supply and the product should not exceed 2 meters. Otherwise, the line loss will increase, resulting in poor consistency of brightness at the beginning and the end of the product, and the total power will increase. The rated power of the power supply should be more than 20% of the total power of the product, so as to avoid power overload and damage to the power supply;

△ When the scheme (single end power supply) in the connection diagram is adopted, the number of standard cascades shall not be exceeded. Users can also cut individually according to the actual demand, but insulation treatment should be done after cutting;

△ When it is necessary to connect in the middle, first cut the power line between the two modules with diagonal pliers, peel it about 10 mm, and screw the wire of the stripped part of the corresponding color into a strand, and then screw it into the connector for insulation protection. Finally, check the continuity and reliability of the power line after it is screwed into the connector. The power line can not be pulled out from the connector by hand;

△ When the wire conductor of the tail end product is exposed, peel the two power lines about 10 mm with diagonal pliers, and screw them into the connector head for insulation protection;

△ In order to ensure water-proof and anti-corrosion, it is recommended to inject single-component silica gel (or neutral glass glue or waterproof grease) into the connector head after the power line is screwed into the connector, and the exposed copper wire covering the power line is protected;

△The product should not be used in the open air completely. Live touch and live working are prohibited;

△ It is suggested to use the switching power supply (with short circuit protection, over-voltage protection and over-current protection) which has passed the relevant safety certification.

