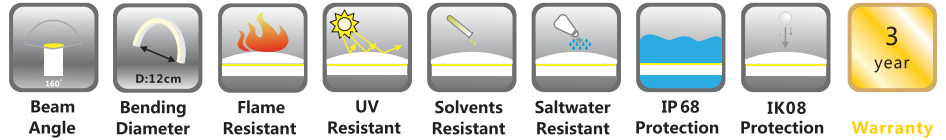


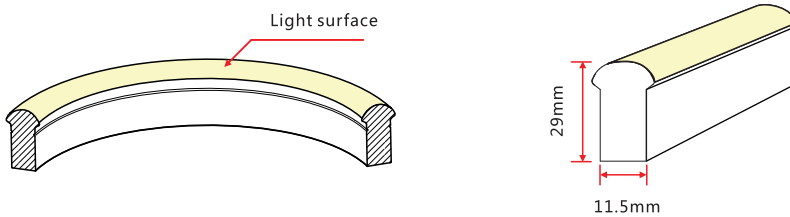
TRONIX

Neonflex Pro

Specifications



1.1 Dimensions of Light



Note: Unless otherwise stated, the tolerance of the light is $\pm 0.3\text{mm}$.

1.2 Technical Parameters

Technical Parameters

Article No.	(110-) 044/045	(110-) 041/048/043/042
Color	Red/Amber	White/Green/Blue
Working Voltage	DC 24V	DC 24V
Rated Power/mtr	7.2W	12W
LED Qty/mtr	60LEDs	60LEDs
LED Distance	16.67mm	16.67mm
Min. Cutting Unit	10LEDs(1unit)	6LEDs(1unit)
Min. Cutting Length	16.7CM(1unit)	10CM(1unit)
Continuous Length	15M	10M
Weight/m	490g	
Storing Temp.	-20~60°C	
Working Temp.	-20~45°C	
Operating Temp.	0~45°C	
IP Rating	IP68/IP40	

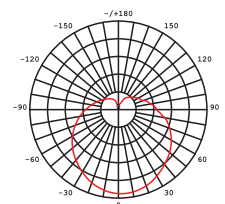


1.3 Optical Parameters

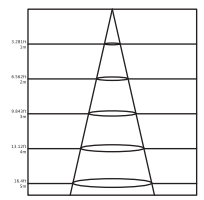
Photometric Data

LED Type	SMD				
Beam angle	160°				
Color	Wavelength	Lumen/m	Power/m		
Red	620-630nm	>120lm	7.2W		
Green	520-530nm	>280lm	12W		
Blue	465-475nm	>40lm	12W		
Amber	585-595nm	>120lm	7.2W		
	Color	CCT	Lumen/m	Power/m	
	Warm White	3000K	3045±175K	>380lm	12W
	White	5700K	5660±355K	>380lm	12W

Candle Power Distribution



Illuminance Characteristics

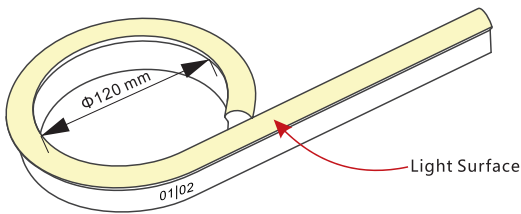


Functions & Features

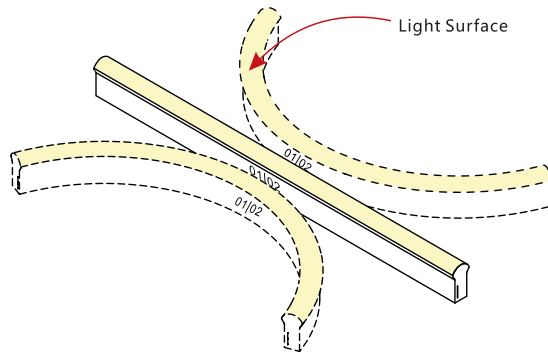
Product Features

1. High quality and high brightness SMD LED chip.
2. WCS2903 IC, SPI signal input, DMX512 signal compatible, DMX address writable or programable.
3. UV & flame resistant construction(PVC).
4. Domed profile for large viewing angle(270°).
5. High color consistency&smooth illumination with no light dots.
6. Flexible with 120mm minimum bending diameter.
7. Easy installation and assembly with DIY accessories for joining and terminating.
8. High IP rating(IP68).
9. Continuous length up to 15m by powering one end.
10. Environmentally friendly & energy efficient.
11. Automated production, high reliability & long warranty.

Minimum Bend Diameter

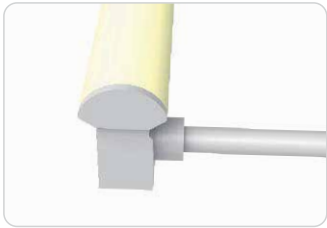


The light can only be bent laterally
(opposite bend along to light surface).



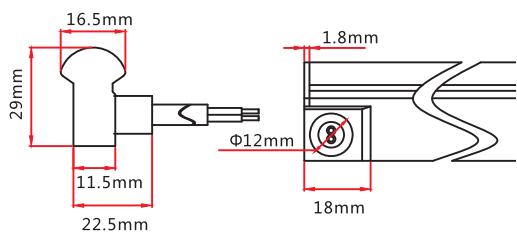
Do not bend smaller than allowed minimum bend diameter.

Connectors:



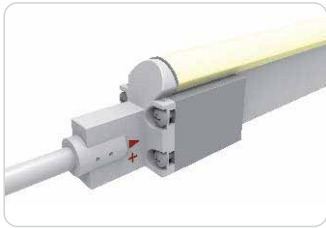
Injection-moulded Front Connector (only at full roll)

Connects light to power supply with pre-installed de feed cable, IP68. Cable length is 3m



Screw Connector

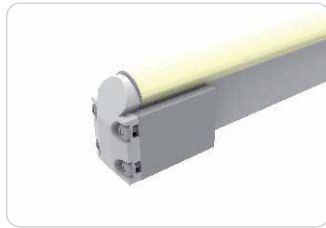
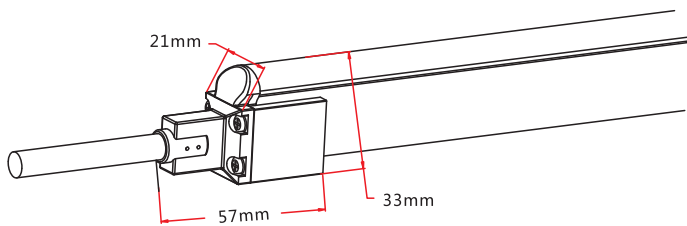
Note: Unless otherwise stated, the tolerance of the connector is ±0.5mm.



Screw Front Connector (115-050) Screw Back Connector (115-052)

Connects light to power supply. IP68
DIY connector.

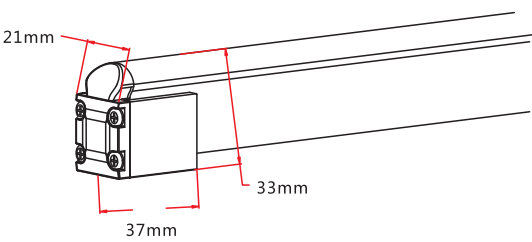
- Feed connector*1 (Two-pin)
- Silicone gasket*1
- Aluminum mounting piece*1
- Anti-skidding clip*1
- Screw*4



Screw End Cap (115-059)

Termination protection of the light.
IP68. DIY connector.

- Tail plug*1
- Silicone gasket*1
- Aluminum mounting piece*1
- Anti-skidding clip*1
- Screw*4

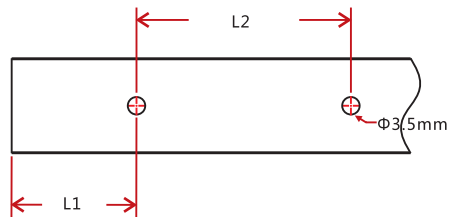
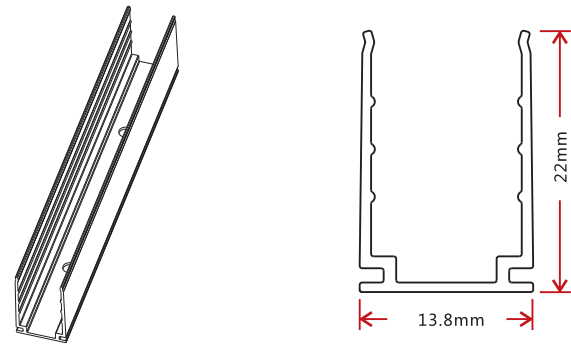


Mounting Profile

Aluminum Profile

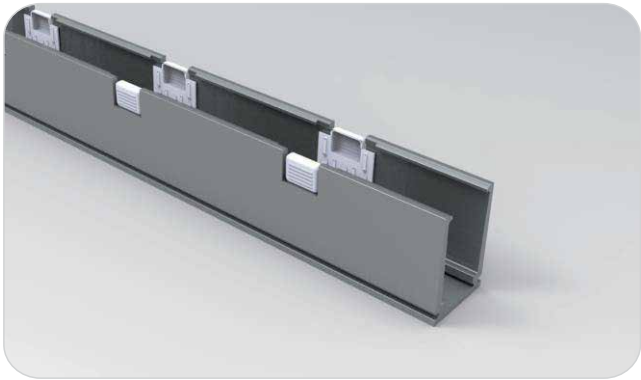


Note: Unless otherwise stated, the tolerance of the profile is $\pm 0.5\text{mm}$.

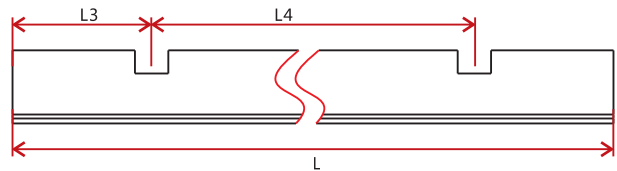
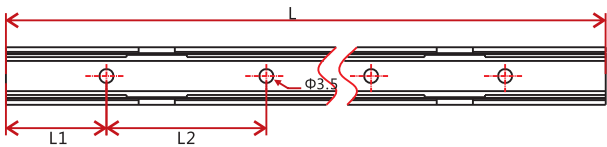
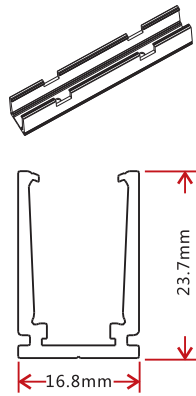
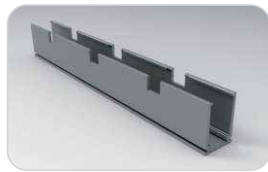


Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number
115-051	13.8*22	1000	100	200	$\Phi 3.5$	5

Self-locking Aluminum Clip

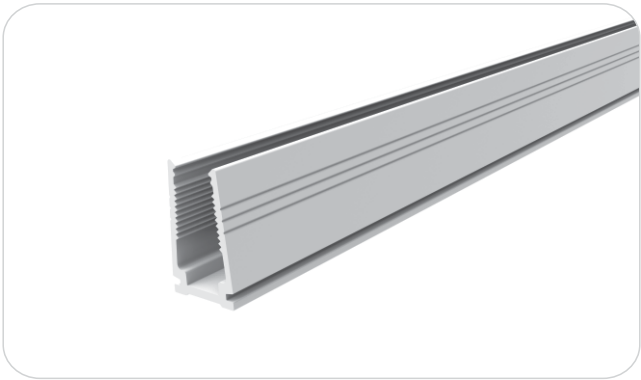


Note: Unless otherwise stated, the tolerance of the profile is $\pm 0.5\text{mm}$.

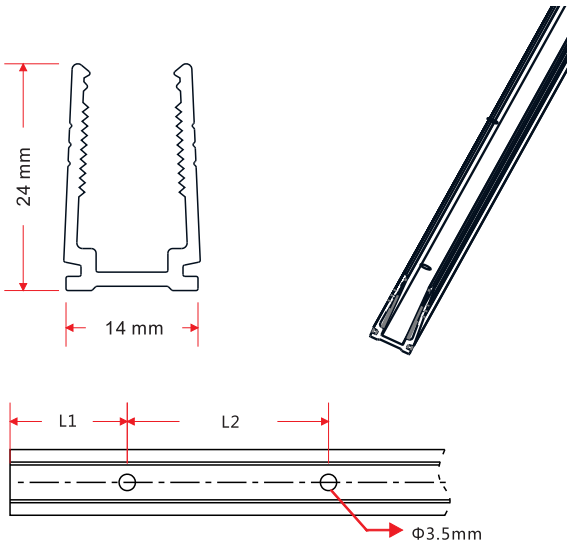


Model	W*H(mm)	Standard Length(mm)	L1(mm)	L2(mm)	L3(mm)	L4(mm)	Hole Screw(mm)	Hole Number	Clip Number
115-054	16.8*23.7	50	25	/	25	/	$\Phi 3.5$	1	1

Plastic Profile



Note: Unless otherwise stated, the tolerance of the profile is ±0.5mm.



Model	W*H(mm)	Standard Length (mm)	L1 (mm)	L2 (mm)	Screw Hole (mm)	Hole Number
115-064	14*24	1000	100	200	Φ3.5	5

Packaging

Packaging Method



Plastic Plate



White Box



Carton



Packaging Detail

Light Length	White Box Dimension (cm)	Carton Dimension (cm)	Numbers of White Box	Carton Weight (kg)
10m	51*5.2*62	64*53*28	5	26
20m	68*5.2*79	81*70*12.5	2	22

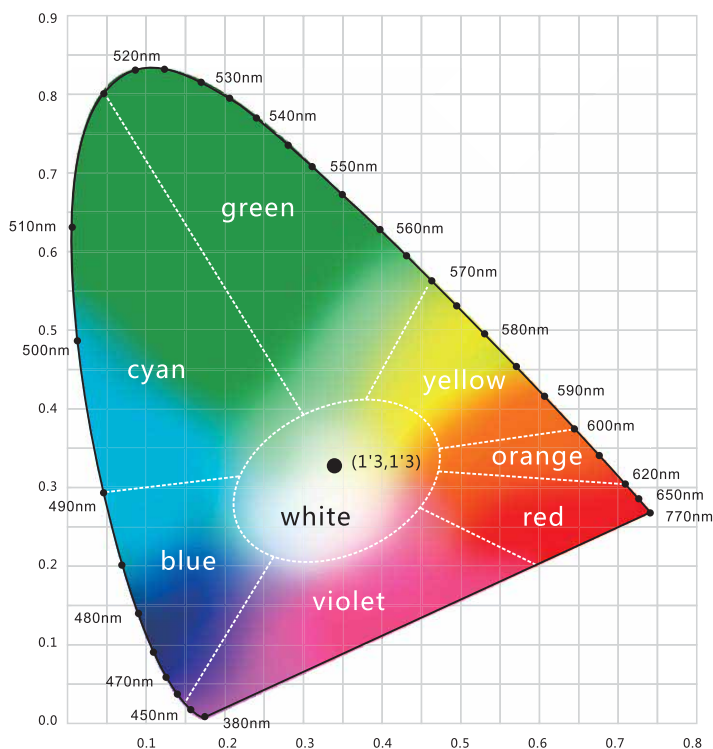
Tests

Reliability Test of Light

Testing Item	Classification	Reference Criterion	Testing Condition/Method	Result
IP Rating Test	IP65/IP68 1m	IEC60529	/	Pass
IK Rating Test	IK08	IEC 62262	Impact energy: 5J	Pass
	Hi-Lo temperature impact	/	-20~70°C , 7 cycles	Pass
	Low temperature storing test	IEC 68-2-1	-20°C	Pass
	High temperature storing test	IEC 68-2-2	60°C	Pass
	High temperature and humidity impact	IEC 68-2-3	/	Pass
	Corrosion resistant test in swimming pool water	/	Free available chlorine: 0.4mg/L	Refer to test report
	Corrosion resistant test in artificial sea water	/	Salt content: 4%	Refer to test report
	Salt spray test	IEC 68-2-11	NaCl solution concentration: 5%	Pass
	Ultraviolet (UV) test	ISO 4892-2	0.76W/m2, UVA-340nm, 65°C	Refer to test report
Optical Test	Photometric test-ingrating sphere system	ANSI C78.377IES LM79	/	Refer to test report
	Photometric test-goniophotometer system	IES LM 79	/	Refer to test report
Mechanical Test	Bending test	/	Bending diameter: 12cm, 500 times	Pass
	Swing test	/	Swinging angle:-90°~90°, 750 times, lift weight: 300g	Pass
Electrical Test	Electrical insulation test	IEC60598-1	DC500V,2MΩ	Pass

> > Note: Please contact us for related test report.

Wavelength



Light Color

	Red 620-630nm
	Green 520-530nm
	Blue 465-475nm