

## NF7-24V LED Strip

### Product Details

Code	NF7-24V
Warranty	5 Years
RoHS Compliance	IEC 62321:2013
CE Certification	EN 55015:2013/A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 61547:2009

### Physical Data

PCB Colour	White
PCB Width	5mm
Thickness Including LED	10mm
Cut Points	41.67mm

### Electrical Data

Voltage	24V
Power Consumption	7W/m
Dimmable	Yes (PWM)

### Light Data

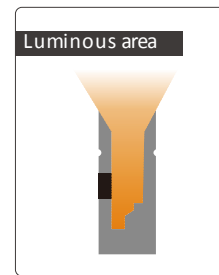
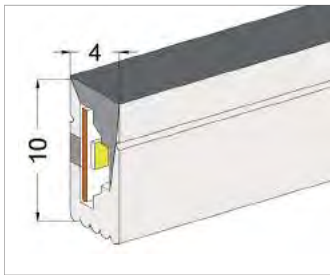
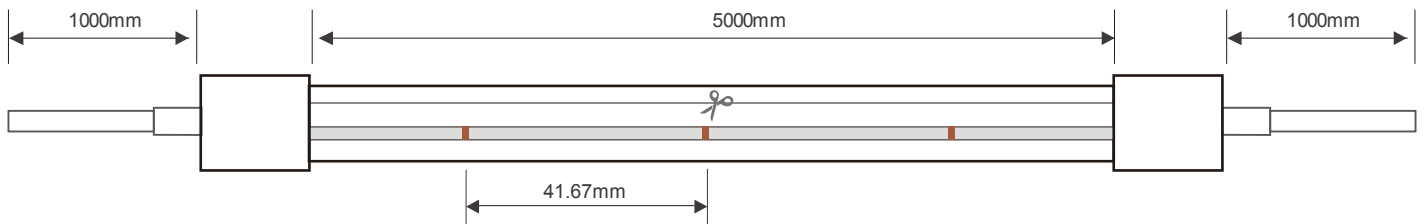
Colour Temperature <small>(before waterproof)</small>	3000K	4000K	5000K	6000K
Lumens per Metre	225	249	242	232
LEDs per Metre	144			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	3014			
LED Manufacturer	Epistar			

### Environment

Operating Temperature	-30 ~ 50°C
Ingress Protection (IP) Rating	67

## NF7-24V LED Strip

3014 144LEDs/m DC 24V Unit:mm



## Accessories



Front Cap

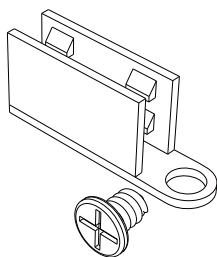


End Cap



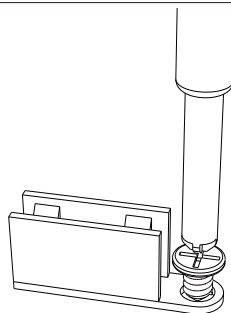
Fix Cap

## Installation Fix Cap



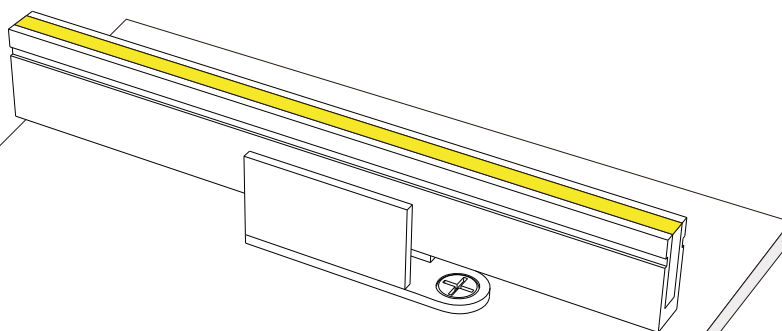
1

Prepare the screws and fixed clips



2

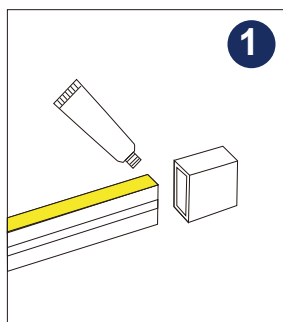
Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw



3

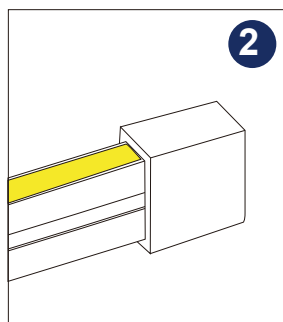
Put the light emitting surface upwards, then insert the led strip into the fixed clips

## Installation End Cap



1

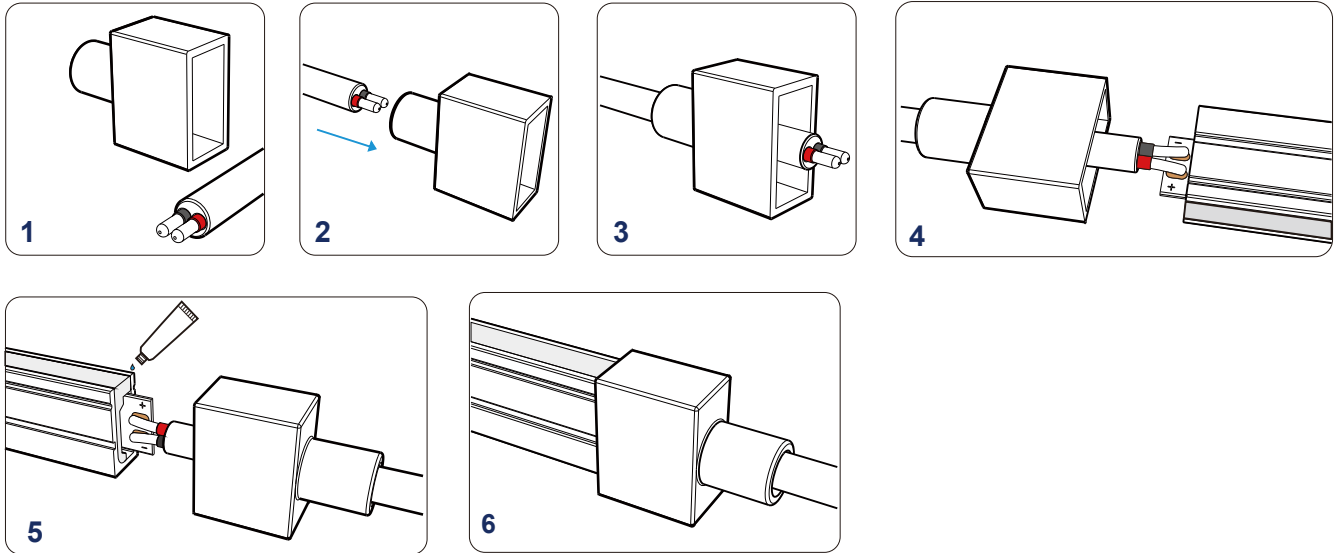
Using glue to fix the end cap on the end.



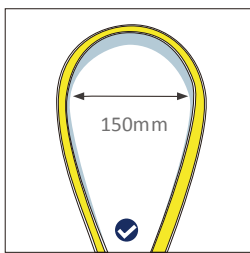
2

When the glue totally dried, then can packed it.

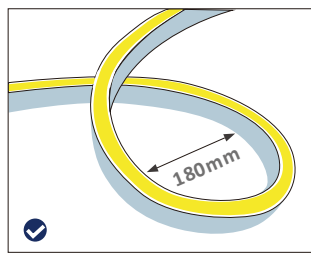
## Installation Front Cap



## Correct Bending Way Bend it the light surface in side way(left and right direction)

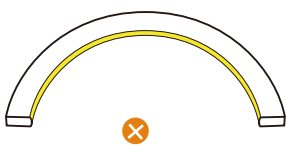


The minimum bending diameter is 150mm

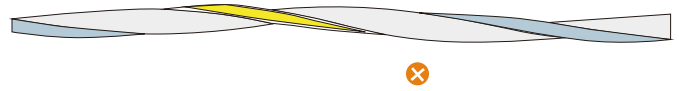
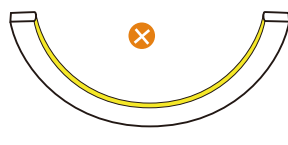


Light surface upwards, the strip is bendable to right or left naturally, the minimum bending diameter is 180mm

## Incorrect Bending Way



Don't bend the light surface in up and down direction



Please do not twist the strip, or it will be damaged

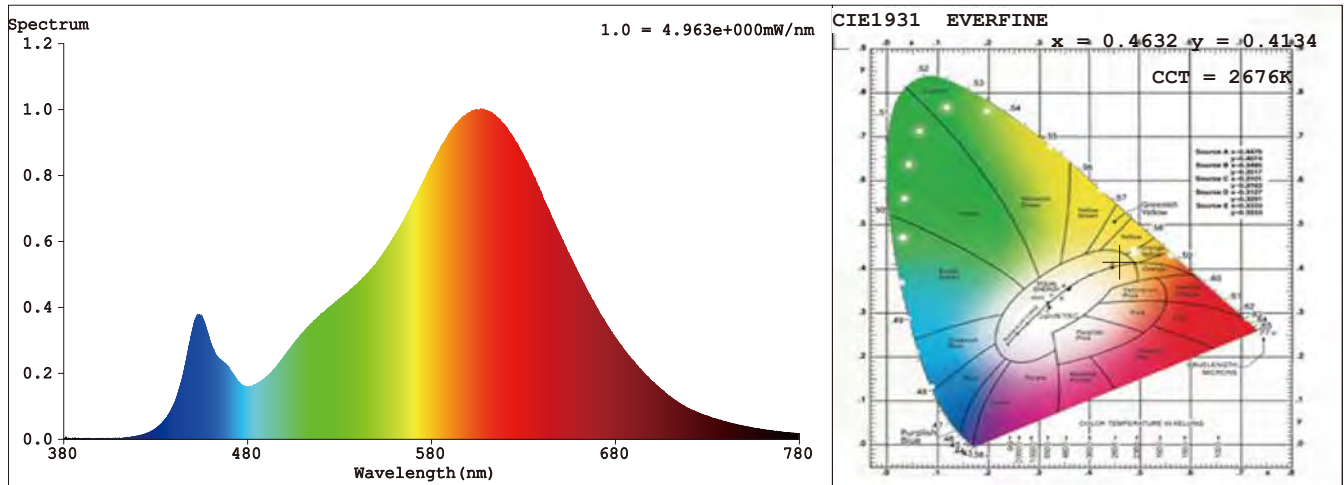
## Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 14:52:57
Specification	: NF7-0410-24V-3000K (Neon)	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 34	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50291 (77%)
Test Mode	: Accuracy Test	T	: 435 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4632$   $y = 0.4134$  /  $u' = 0.2634$   $v' = 0.5289$  ( $duv=7.46e-04$ )  
 CCT= 2676K Prcp WL:  $L_d=584.1nm$  Purity=63.1%  
 Peak WL:  $L_p=607nm$  FWHM: =115.2nm Ratio:R=25.1% G=72.7% B=2.2%

Render Index:  $R_a = 81.3$

R1 =80	R2 =91	R3 =95	R4 =78	R5 =80	R6 =90	R7 =81	
R8 =56	R9 =4	R10=80	R11=77	R12=72	R13=82	R14=98	R15=72

### Photometric & Radiometric Parameters

Flux = 225.33 lm Eff. : 27.49 lm/W Fe = 694.22 mW

### Electrical parameters

V = 24.00 V I = 0.3416 A P = 8.198 W PF = 1.000 F=0.00 Hz

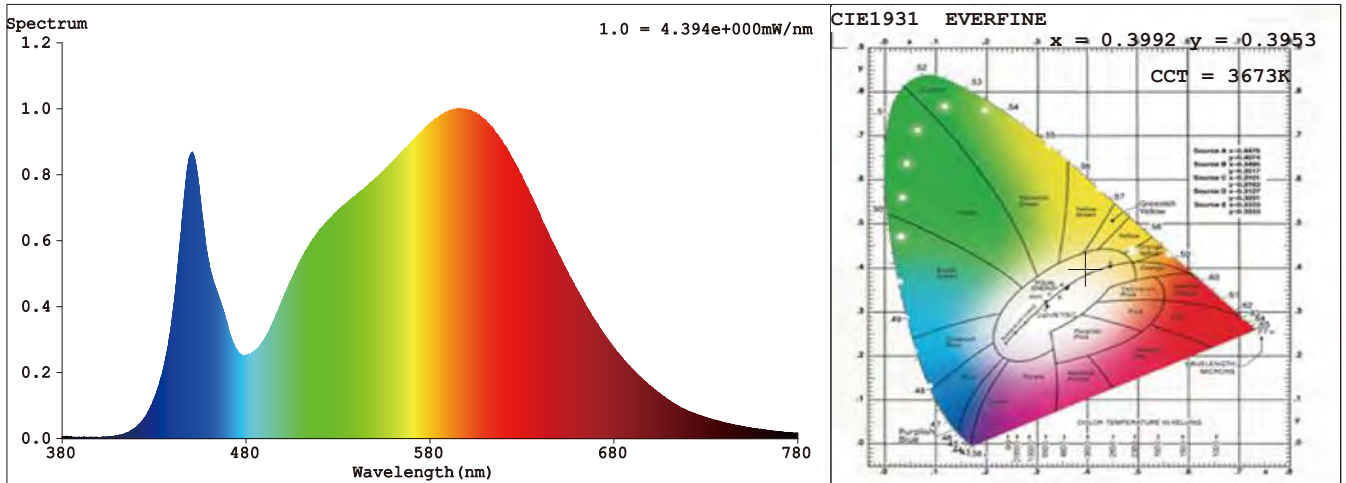
## Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 14:54:33
Specification	: NF7-0410-24V-4000K (Neon)	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 35	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50339 (77%)
Test Mode	: Accuracy Test	T	: 469 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3992$   $y = 0.3953$  /  $u' = 0.2299$   $v' = 0.5122$  ( $duv=3.40e-03$ )  
 CCT= 3673K Prcp WL:  $L_d=578.8nm$  Purity=38.4%  
 Peak WL:  $L_p=597nm$  FWHM: =148.8nm Ratio:R=19.2% G=77.7% B=3.1%

Render Index:  $R_a = 82.3$

R1 =80 R2 =88 R3 =95 R4 =81 R5 =80 R6 =84 R7 =87  
 R8 =64 R9 =8 R10=72 R11=80 R12=60 R13=82 R14=97 R15=74

### Photometric & Radiometric Parameters

Flux = 248.88 lm Eff. : 30.43 lm/W Fe = 747.12 mW

### Electrical parameters

V = 24.00 V I = 0.3408 A P = 8.179 W PF = 1.000 F=0.00 Hz

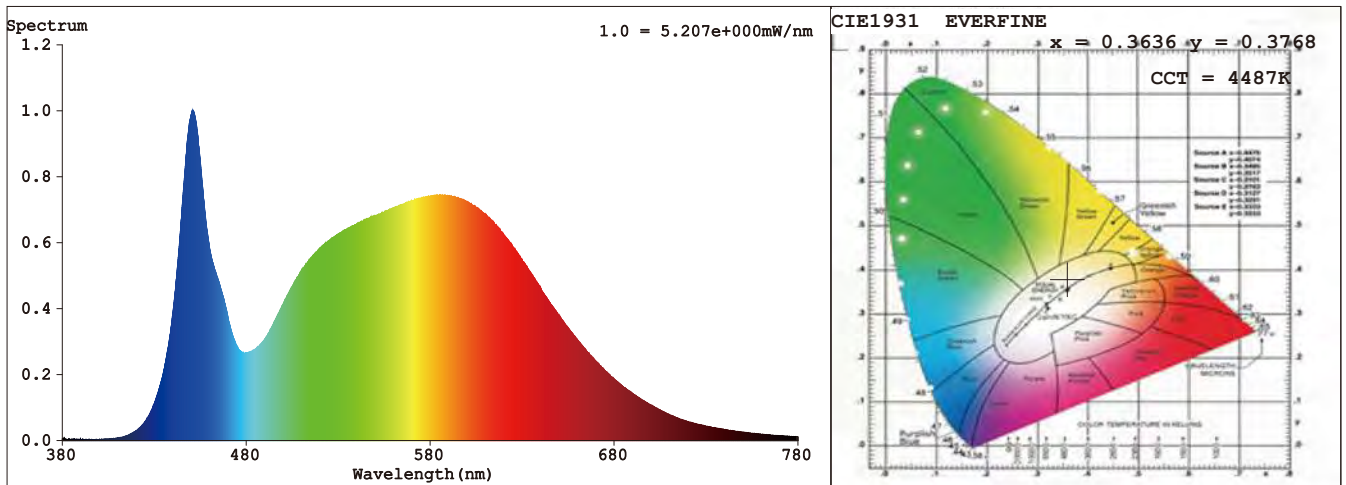
## Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 14:55:26
Specification	: NF7-0410-24V-5000K (Neon)	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 36	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50523 (77%)
Test Mode	: Accuracy Test	T	: 512 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3636$   $y = 0.3768$  /  $u' = 0.2141$   $v' = 0.4991$  ( $duv=5.36e-03$ )  
 CCT= 4487K Prcp WL:  $L_d=573.7nm$  Purity=22.2%  
 Peak WL:  $L_p=451nm$  FWHM: =21.7nm Ratio:R=16.5% G=79.5% B=4.0%

Render Index:  $R_a = 82.3$

R1 =80	R2 =87	R3 =94	R4 =81	R5 =80	R6 =82	R7 =88	
R8 =67	R9 =7	R10=70	R11=79	R12=55	R13=82	R14=96	R15=74

### Photometric & Radiometric Parameters

Flux = 241.79 lm Eff. : 29.56 lm/W Fe = 734.41 mW

### Electrical parameters

V = 24.00 V I = 0.3408 A P = 8.179 W PF = 1.000 F=0.00 Hz

## Spectrum Test Report

Sample : 1m LED strip  
 Specification : NF7-0410-24V-6000K (Neon)  
 Sample No. : 31  
 LED type : Epistar 3014

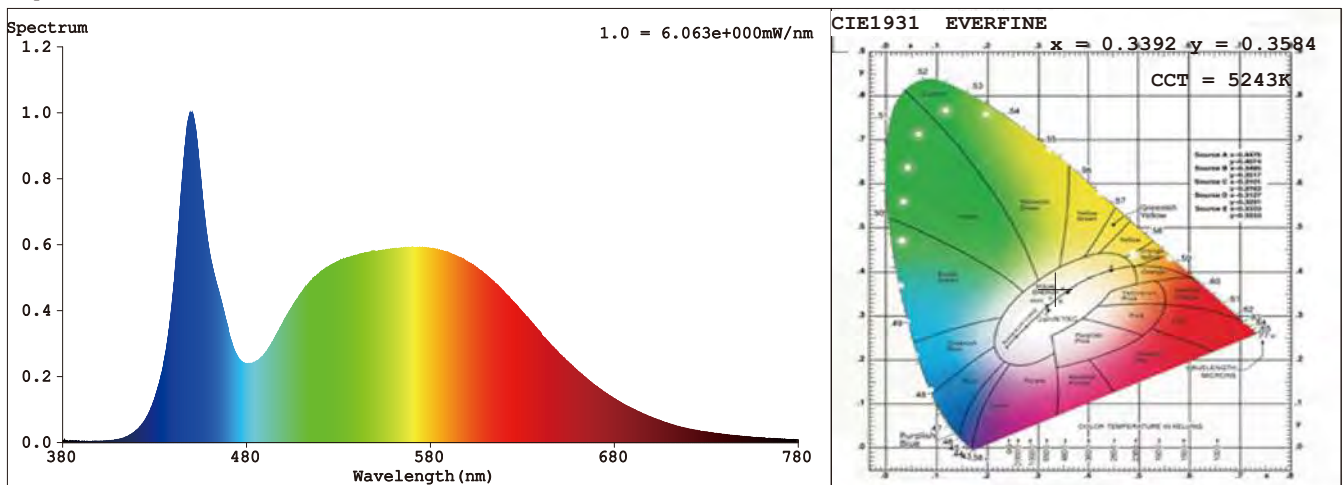
Date : 2019-03-21 14:50:11  
 Instrument : HaasSuite(EVERFINE)  
 Test by : DAMIN  
 Assessor : damin

### Test Condition

Temperature : 25.3Deg  
 WL Range : 380nm-780nm  
 Test Mode : Accuracy Test

RH : 65.0%  
 IP : 49637 (76%)  
 T : 540 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3392$   $y = 0.3584$  /  $u' = 0.2049$   $v' = 0.4871$  ( $duv=5.77e-03$ )

CCT= 5243K Prcp WL:  $L_d=563.3nm$  Purity=9.3%

Peak WL:  $L_p=450nm$  FWHM: =21.9nm Ratio:R=14.8% G=80.7% B=4.5%

Render Index:  $R_a = 81.5$

R1 =79 R2 =86 R3 =91 R4 =81 R5 =80 R6 =81 R7 =87

R8 =67 R9 =3 R10=66 R11=80 R12=58 R13=80 R14=95 R15=73

### Photometric & Radiometric Parameters

Flux = 231.32 lm Eff. : 28.77 lm/W  $F_e = 715.84$  mW

### Electrical parameters

V = 24.00 V I = 0.3350 A P = 8.039 W PF = 1.000 F=0.00 Hz