

3528 SMD LED Flexible Strip

3528 180 Leds/m 14.4W



Features

- Eco friendly.
- Long life span, standard warranty 3 years.
- Complete cut / connection accessories.
- No need of constant-current power feed.
- Low power consumption.
- Custom packing.

Application

- Cove lighting.
- Architectural lights for canopy, corridor, window, archway.
- Backlight or edge lighting for signage.
- DIY lights for home use.
- Path and contour marking.
- Decorative lights for holiday, event, show, exhibition.

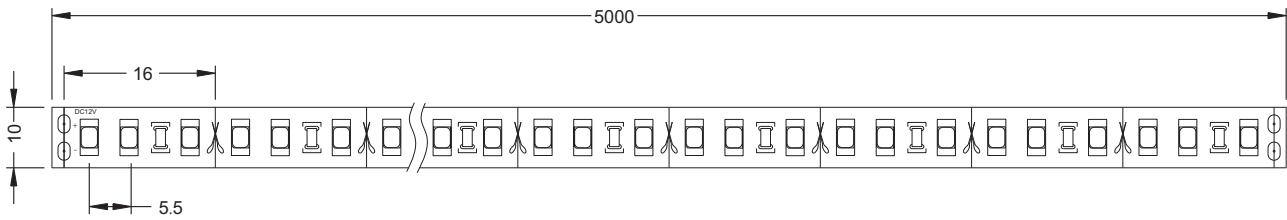


Technical parameters

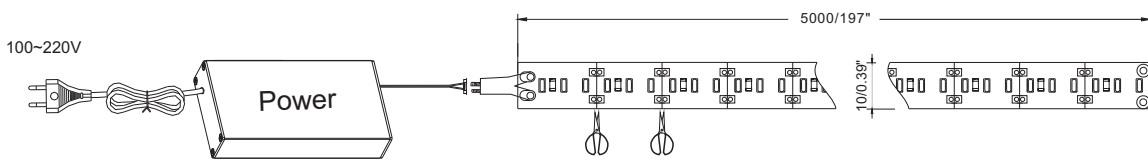
Model	CCT	LED Q'ty/m	LED Type	Light Output (Lumen/m)	Beam Angle (degrees)	Voltage (V DC)	Current (A/m)	Max.Power Consumption (W/m)	CRI	Continuous Connection (m)
FL-12FS-180-CW	5500-7000K	180/m	3528 SMD	1260	120°	12	1.2	14.4	>80	5
FL-12FS-180-NW	4000-4500K	180/m		1150	120°	12	1.2	14.4	>80	5
FL-12FS-180-WW	2700-3200K	180/m		1080	120°	12	1.2	14.4	>80	5



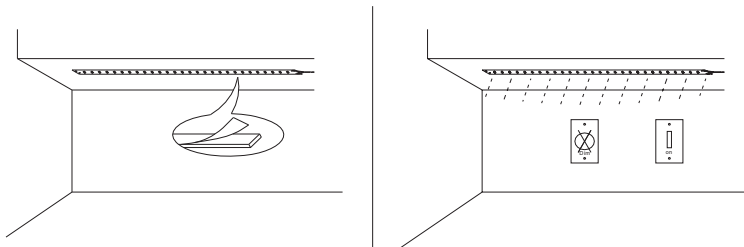
Dimension(mm/inch)



Linking operation



Installation



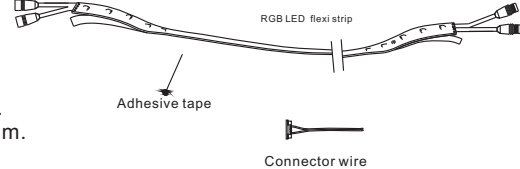
Safety Information

- The strip itself and all its components may not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED ribbon (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
- Please ensure that the power supply is of adapters power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
- Pay attention to standard ESD precautions when installing the strip.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

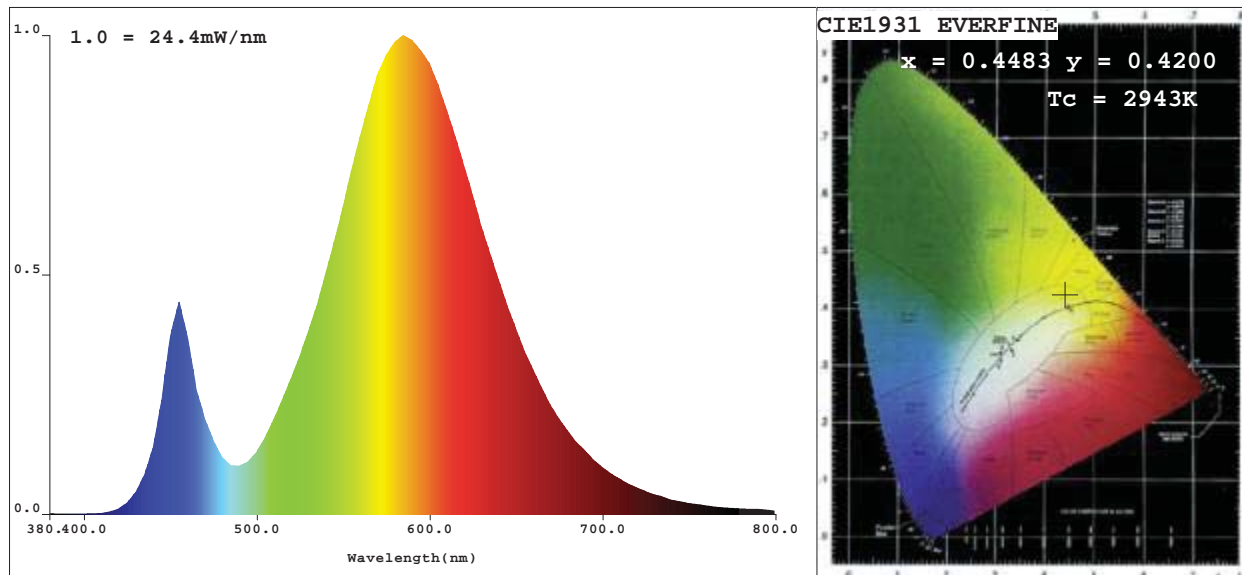
※ Packing information



※ Connectors



Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.4483$ $y=0.4200$ / $u'=0.2510$ $v'=0.5292$ ($duv=4.69e$)
 CCT: $T_c=2943K$ Prcp WaveL: $\lambda_d=581.6nm$ Purity=60.7%
 Peak WaveL: $\lambda_p=585nm$ Half Width: $\Delta\lambda_p=99.3nm$ Ratio: $R=19.7\%$ $G=78.6\%$ $B=1.6\%$
 Average Wave: 585nm PB=1.8341 PG=3.0475 PR=5.0195 PT=123.6242
 Rendering Index: $R_a=62.1$
 R1 =55 R2 =76 R3 =93 R4 =52 R5 =53 R6 =64 R7 =74 R8 =29
 R9 =0 R10=45 R11=39 R12=28 R13=59 R14=96 R15=48

Photo Parameters:

Flux: $\Phi=1128.9(lm)$ Luminous Efficacy: 85.39(lm/W) Luminous Power: $P=3.030(W)$

Electrical Parameters:

U=12.00V I=1.102A P=13.22W PF=1.000

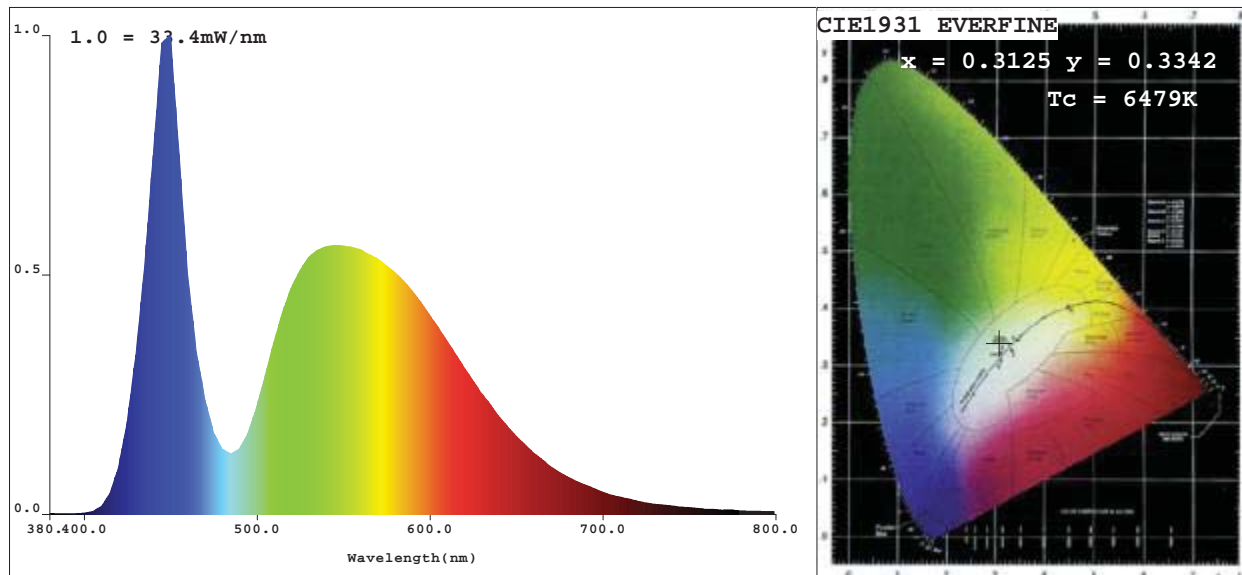
Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm Ip = 24925(G=4,D=50)
 REF = 23070 TMP(PMT) = 24.5(deg.celsius) Test Mode: Fast Test

Product Type: FL-12FS-180WW-1M
 Instrument: PMS-50 System
 Temperature: 25.4deg
 Test Operator: mo fu mei

Manufacturer: FINE LED
 Test Department: FINE LED
 Humidity: 65.0%
 Test Date: 2012-12-12 09:36

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.3125$ $y=0.3342$ / $u'=0.1957$ $v'=0.4711$ ($duv=5.98e$
 CCT: $T_c= 6479K$ Prcp WaveL: $\lambda_d=492.3nm$ Purity=7.0%
 Peak WaveL: $\lambda_p=450nm$ Half Width: $\Delta\lambda_p=25.4nm$ Ratio: R=11.8% G=84.3% B=3.8%
 Average Wave: 541nm PB=3.4061 PG=3.3008 PR=2.1787 PT=102.5312
 Rendering Index: Ra=71.2
 R1 =69 R2 =74 R3 =77 R4 =73 R5 =70 R6 =66 R7 =81 R8 =60
 R9 =0 R10=38 R11=70 R12=42 R13=69 R14=87 R15=63

Photo Parameters:

Flux: $\Phi=1170.1(lm)$ Luminous Efficacy: 82.15(lm/W) Luminous Power: P=3.437(W)

Electrical Parameters:

U=12.00V I=1.167A P=14.00W PF=1.000

Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm Ip = 16447(G=3,D=48)
 REF = 22886 TMP(PMT) = 26.7(deg.celsius) Test Mode: Fast Test

Product Type: FL-12FS-180CW-1M
 Instrument: PMS-50 System
 Temperature: 50.6deg
 Test Operator:

Manufacturer: FINE LED
 Test Department: FINE LED
 Humidity: 65.0%
 Test Date: 2012-12-06 11:42