



SL12-12V LED Strip

Product Details

Code	SL12-12V
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	10mm
Thickness Including LED	2mm
Cut Points	50mm

Electrical Data

Voltage	12V
Power Consumption	12W/m
Dimmable	Yes (PWM)

Light Data

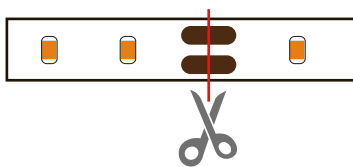
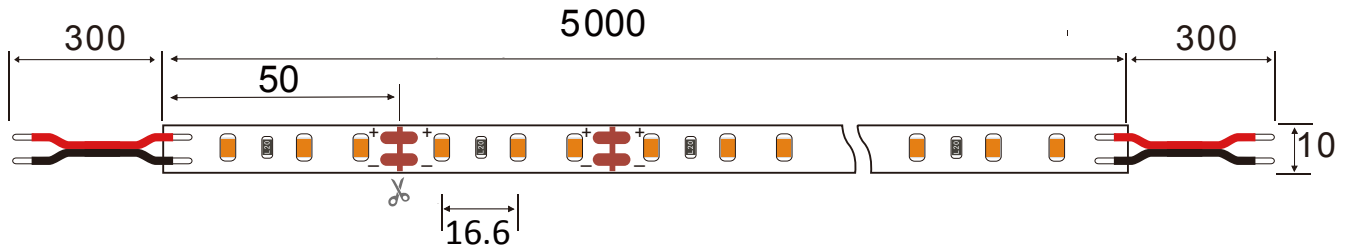
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	1064	1180	1192	1116
LEDs per Metre	60			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	2835			
LED Manufacturer	Epistar			

Environment

Operating Temperature	-30 ~ 60°C
Ingress Protection (IP) Rating	65

SL12-12V LED Strip

2835 60LEDs/m DC 12V Unit:mm



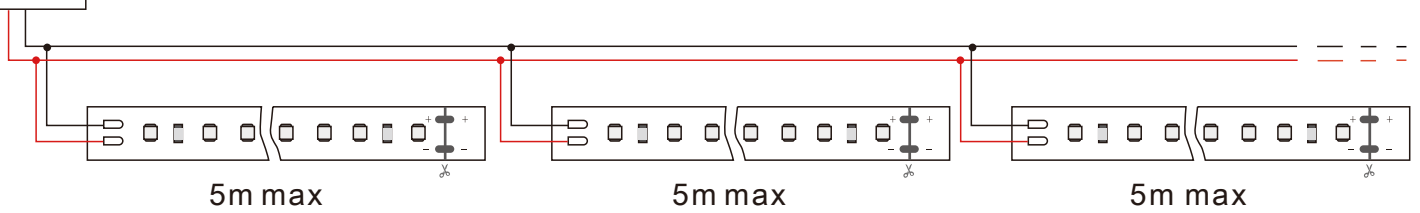
Cut in the centre of the copper or soldered points



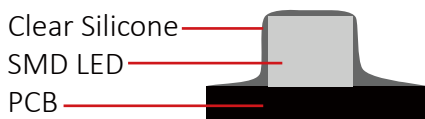
Peel off paper backing to reveal 3m self adhesive

12V Power Supply

Connect up to 5m of LED Strip in series, additional strips must be connected in parallel



IP65 Silicone Spray Coating



Spectrum Test Report

Sample : 1m LED strip
 Specification : SL12-60-12V-3000K
 Sample No. : 64
 LED type : Epistar 2835

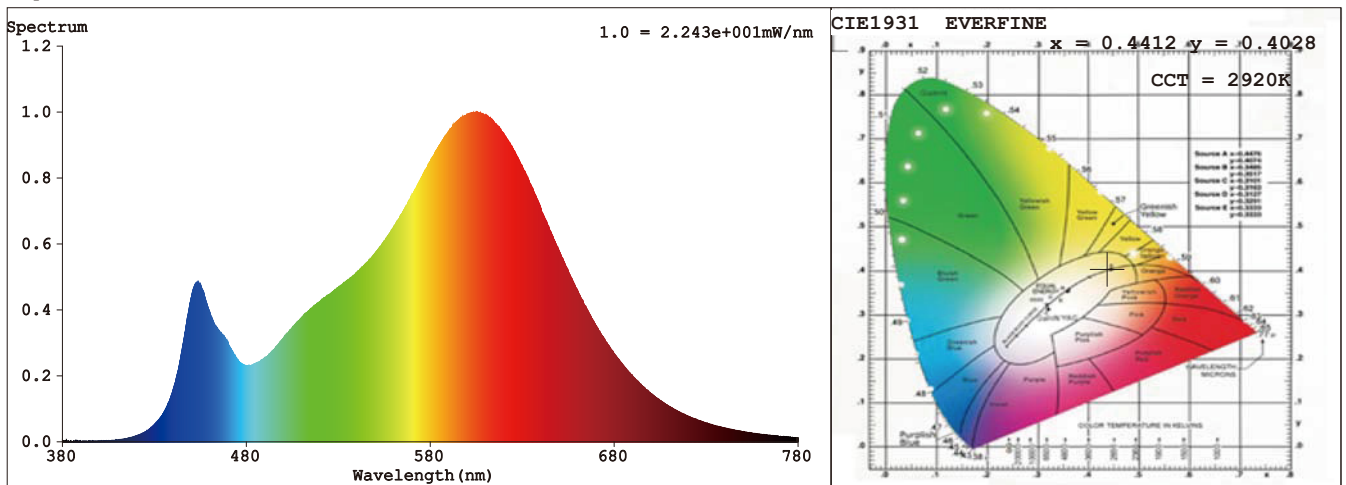
Date : 2019-03-21 15:27:39
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 55706 (85%)
 T : 106 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4412$ $y = 0.4028$ / $u' = 0.2538$ $v' = 0.5215$ ($duv = -1.04e-03$)
 CCT= 2920K Prcp WL: Ld=583.5nm Purity=53.3%
 Peak WL: Lp=605nm FWHM: =119.3nm Ratio:R=23.6% G=73.5% B=2.8%

Render Index: Ra = 82.8

R1 =82 R2 =93 R3 =94 R4 =80 R5 =83 R6 =92 R7 =81
 R8 =58 R9 =8 R10=85 R11=79 R12=76 R13=85 R14=97 R15=74

Photometric & Radiometric Parameters

Flux = 1064.0 lm Eff. : 85.52 lm/W Fe = 3.2531 W

Electrical parameters

V = 12.00 V I = 1.037 A P = 12.44 W PF = 1.000 F=0.00 Hz

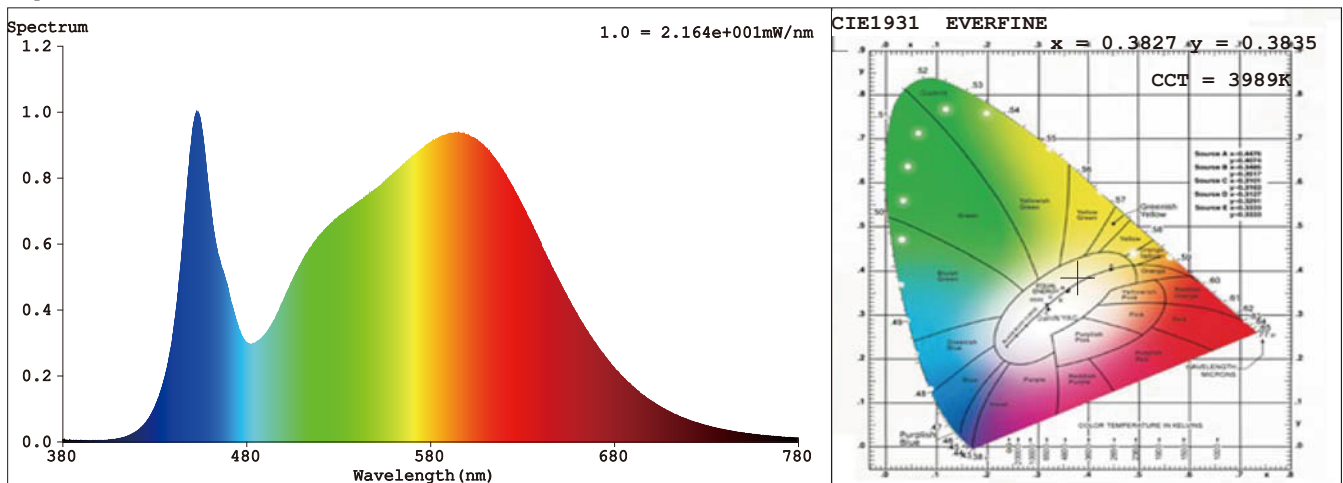
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 15:28:25
Specification	: SL12-60-12V-4000K	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 65	Test by	: DAMIN
LED type	: Epistar 2835	Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53050 (81%)
Test Mode	: Accuracy Test	T	: 106 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3827$ $y = 0.3835$ / $u' = 0.2239$ $v' = 0.5049$ ($duv=2.48e-03$)
 CCT= 3989K Prcp WL: $L_d=577.8nm$ Purity=29.9%
 Peak WL: $L_p=453nm$ FWHM: $=24.4nm$ Ratio:R=18.2% G=78.1% B=3.7%

Render Index: $R_a = 82.9$

R1 =81 R2 =89 R3 =95 R4 =81 R5 =80 R6 =85 R7 =86
 R8 =64 R9 =8 R10=74 R11=79 R12=59 R13=83 R14=98 R15=75

Photometric & Radiometric Parameters

Flux = 1180.4 lm Eff. : 95.56 lm/W Fe = 3.5504 W

Electrical parameters

V = 12.00 V I = 1.030 A P = 12.35 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
 Specification : SL12-60-12V-5000K
 Sample No. : 66
 LED type : Epistar 2835

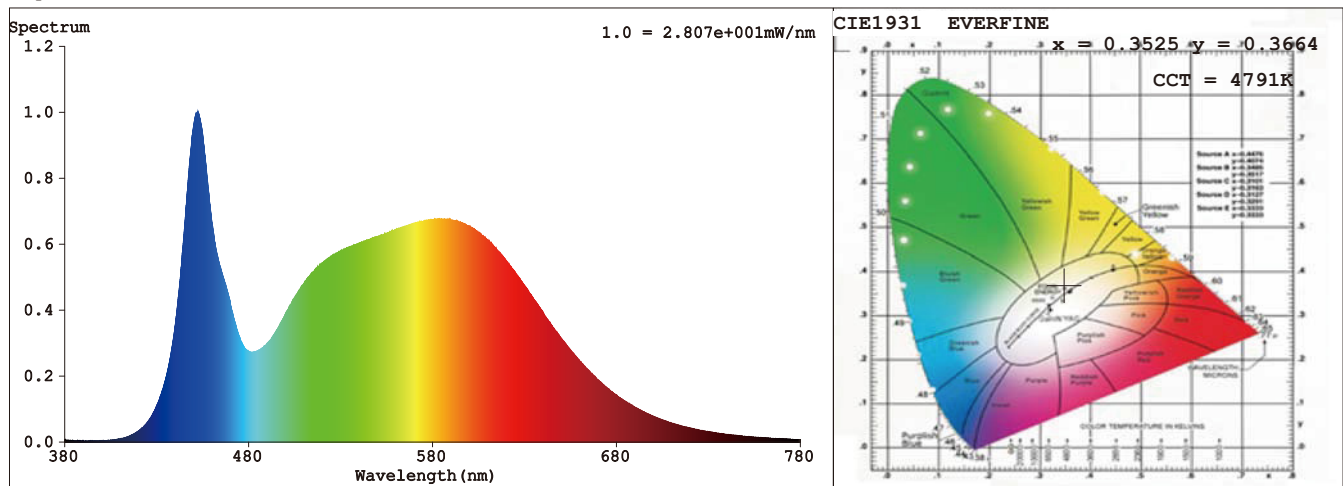
Date : 2019-03-21 15:29:09
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 51381 (78%)
 T : 106 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3525$ $y = 0.3664$ / $u' = 0.2107$ $v' = 0.4928$ ($duv=4.40e-03$)

CCT= 4791K Prcp WL: $L_d=571.6nm$ Purity=15.7%

Peak WL: $L_p=452nm$ FWHM: $=23.3nm$ Ratio:R=15.9% G=79.7% B=4.4%

Render Index: $R_a = 82.4$

R1 =80 R2 =88 R3 =94 R4 =80 R5 =80 R6 =83 R7 =87
 R8 =66 R9 =5 R10=72 R11=79 R12=55 R13=82 R14=97 R15=74

Photometric & Radiometric Parameters

Flux = 1192.3 lm Eff. : 99.38 lm/W $F_e = 3.6318 W$

Electrical parameters

V = 12.00 V I = 1.000 A P = 12.00 W PF = 1.000 F=0.00 Hz

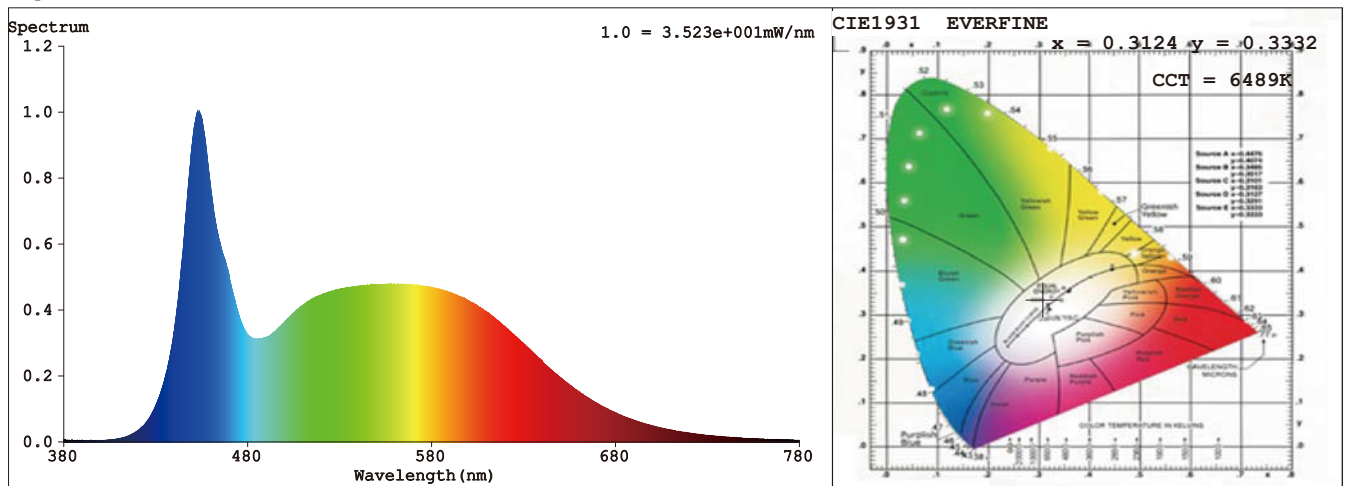
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 15:26:09
Specification	: SL12-60-12V-6000K	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 63	Test by	: DAMIN
LED type	: Epistar 2835	Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48693 (74%)
Test Mode	: Accuracy Test	T	: 106 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3124$ $y = 0.3332$ / $u' = 0.1961$ $v' = 0.4705$ ($duv=5.50e-03$)
 CCT= 6489K Prcp WL: $L_d=491.6nm$ Purity=7.1%
 Peak WL: $L_p=453nm$ FWHM: $=26.5nm$ Ratio:R=13.6% G=80.1% B=6.3%

Render Index: $R_a = 85.1$

R1 =83 R2 =92 R3 =95 R4 =82 R5 =83 R6 =87 R7 =88
 R8 =71 R9 =14 R10=79 R11=81 R12=60 R13=86 R14=98 R15=78

Photometric & Radiometric Parameters

Flux = 1116.3 lm Eff. : 90.51 lm/W $F_e = 3.6261 W$

Electrical parameters

V = 12.00 V I = 1.028 A P = 12.33 W PF = 1.000 F=0.00 Hz