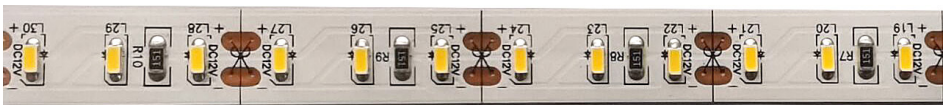
LED lighthouse

Simply Quality LED Lighting

5 YEARS WARRANTY | CE | RoHS | IP65



SL10-12V LED Strip

Product Details

Code	SL10-12V
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	25mm

Electrical Data

Voltage	12V
Power Consumption	9.6W/m
Dimmable	Yes (PWM)

Light Data

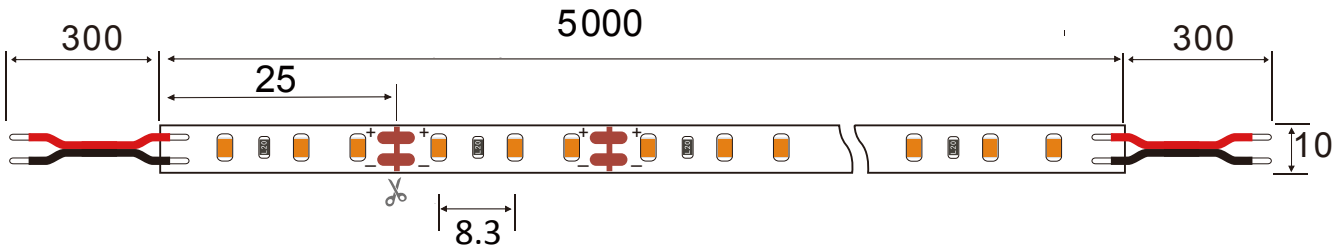
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	942	957	1012	920
LEDs per Metre	120			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	3014			
LED Manufacturer	Epistar			

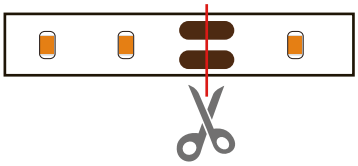
Environment

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

SL10-12V LED Strip

3014 120LEDs/m DC 12V Unit:mm



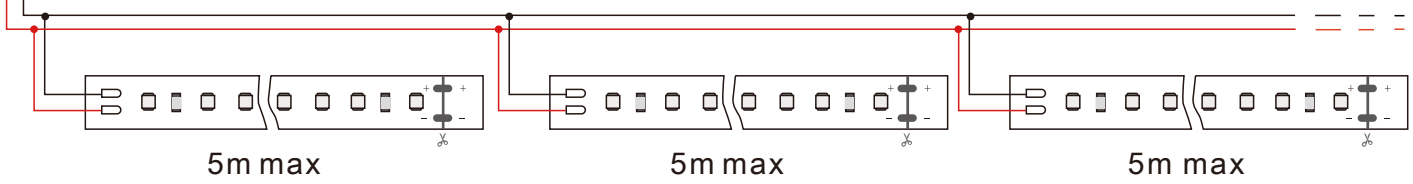


Cut in the centre of the copper or soldered points

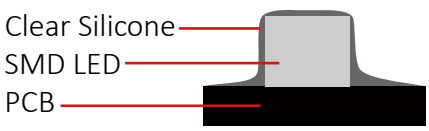
Peel off paper backing to reveal 3m self adhesive

12V Power Supply

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



IP65 Silicone Spray Coating



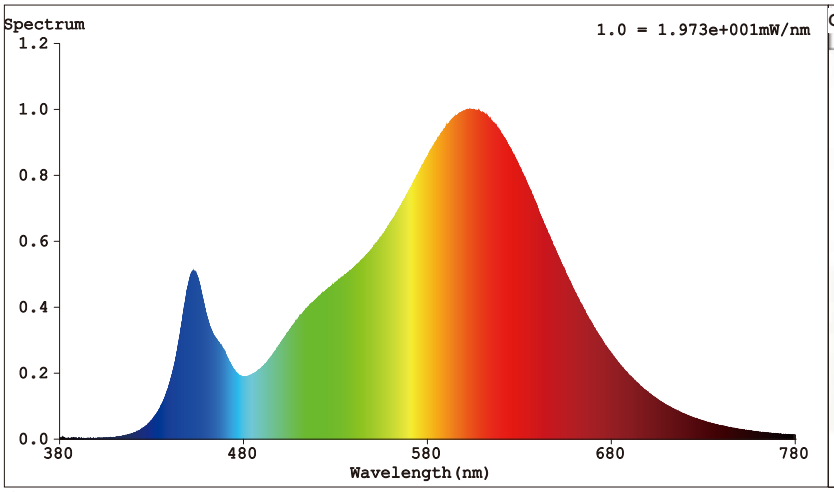
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-05-11 10:22:26
Specification	: SL10-12V-3000K	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

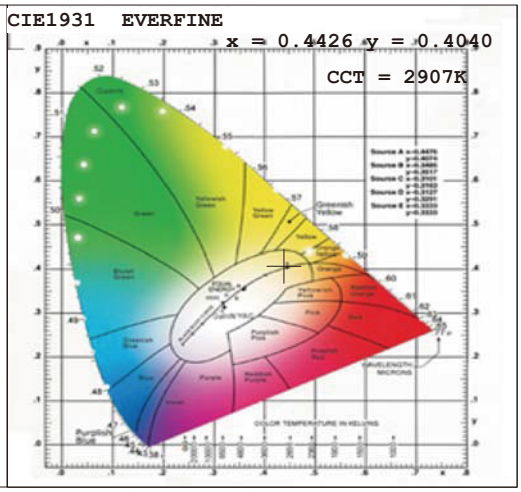
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47765 (73%)
Test Mode	: Accuracy Test	T	: 103 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.4426 y = 0.4040 / u' = 0.2542 v' = 0.5222 (duv=-7.46e-04)

CCT= 2907K Prcp WL: Ld=583.5nm Purity=54.1%

Peak WL: Lp=603nm FWHM: =119.4nm Ratio:R=23.5% G=74.0% B=2.5%

Render Index: Ra = 81.7

R1 =80	R2 =92	R3 =95	R4 =79	R5 =81	R6 =90	R7 =81	
R8 =56	R9 =3	R10=81	R11=78	R12=72	R13=83	R14=98	R15=73

Photometric & Radiometric Parameters

Flux = 942.38 lm Eff. : 89.92 lm/W Fe = 2.8286 W

Electrical parameters

V = 12.00 V I = 0.8738 A P = 10.48 W PF = 1.000 F=0.00 Hz

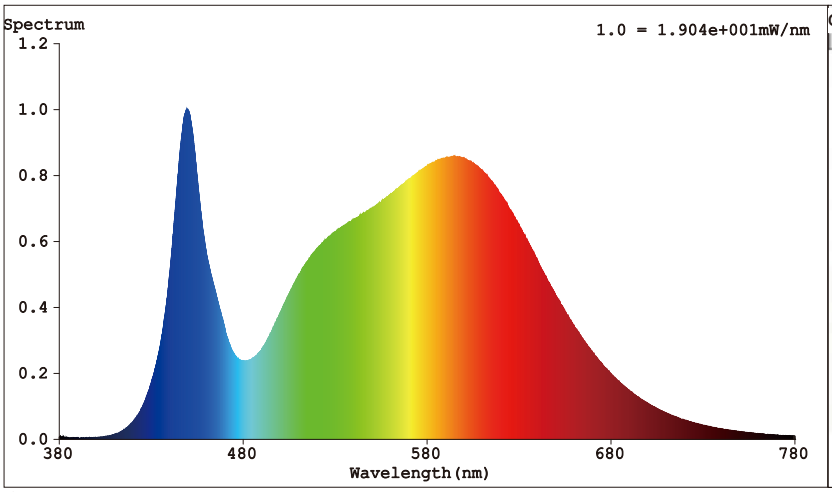
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-05-11 10:24:28
Specification	: SL10-12V-4000K	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

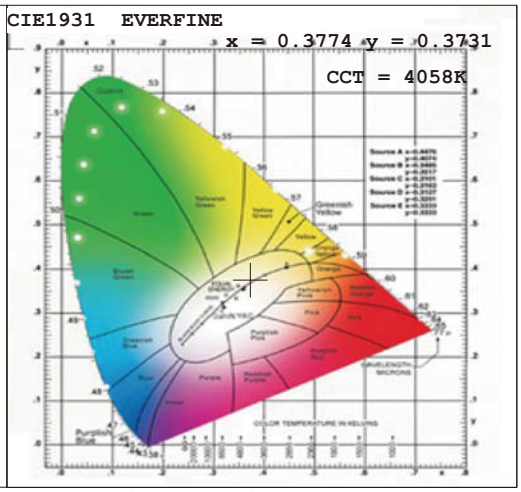
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50330 (77%)
Test Mode	: Accuracy Test	T	: 125 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3774 y = 0.3731 / u' = 0.2245 v' = 0.4995 (duv=-8.25e-04)

CCT= 4058K Prcp WL: Ld=579.3nm Purity=25.2%

Peak WL: Lp=450nm FWHM: =22.5nm Ratio:R=18.2% G=78.3% B=3.5%

Render Index: Ra = 82.6

R1 =81	R2 =88	R3 =93	R4 =82	R5 =81	R6 =83	R7 =86	
R8 =65	R9 =9	R10=71	R11=81	R12=61	R13=83	R14=96	R15=76

Photometric & Radiometric Parameters

Flux = 957.08 lm Eff. : 89.698 lm/W Fe = 2.8869 W

Electrical parameters

V = 12.00 V I = 0.889 A P = 10.67 W PF = 1.000 F=0.00 Hz

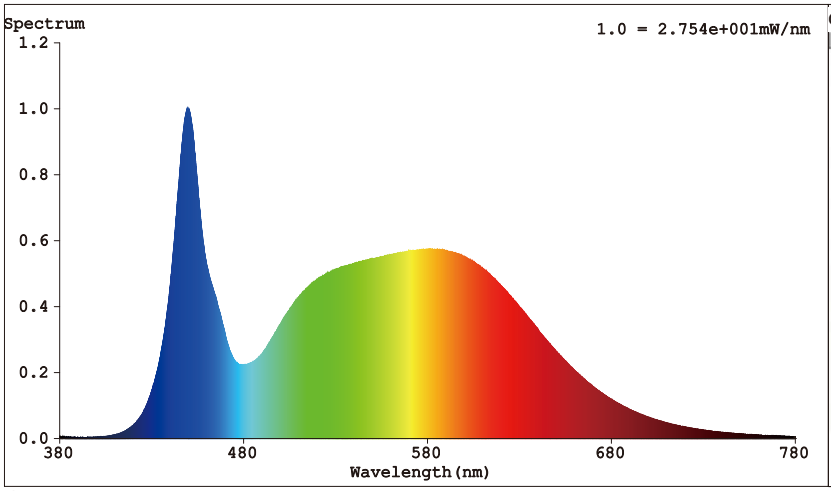
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-05-11 10:26:06
Specification	: SL10-12V-5000K	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

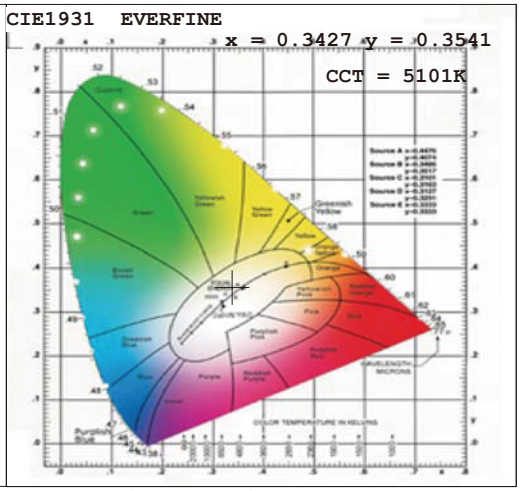
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 51485 (79%)
Test Mode	: Accuracy Test	T	: 127 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3427 y = 0.3541 / u' = 0.2088 v' = 0.4855 (duv=2.23e-03)

CCT= 5101K Prcp WL: Ld=568.9nm Purity=9.1%

Peak WL: Lp=450nm FWHM: =20.4nm Ratio:R=15.5% G=80.1% B=4.4%

Render Index: Ra = 82.7

R1 =81	R2 =87	R3 =91	R4 =83	R5 =82	R6 =82	R7 =87	
R8 =68	R9 =7	R10=69	R11=83	R12=61	R13=82	R14=95	R15=76

Photometric & Radiometric Parameters

Flux = 1012.9 lm Eff. : 97.20 lm/W Fe = 3.1384 W

Electrical parameters

V = 12.00 V I = 0.8682 A P = 10.42 W PF = 1.000 F=0.00 Hz

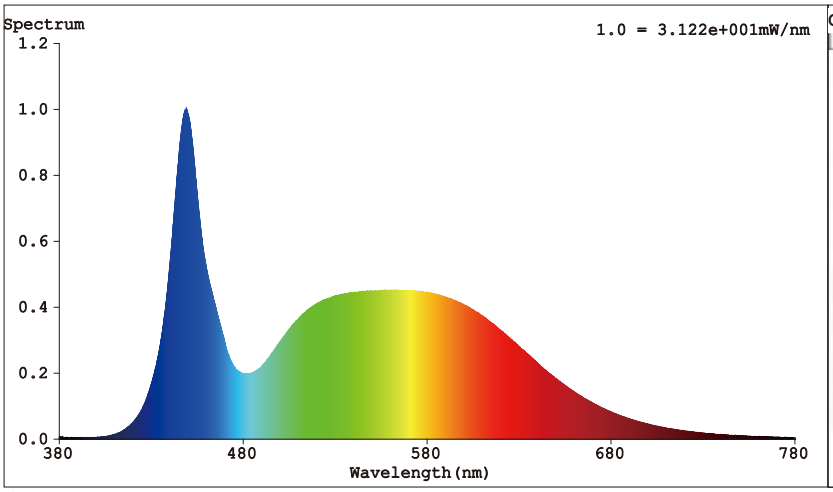
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-05-11 10:29:21
Specification	: SL10-12V-6000K	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

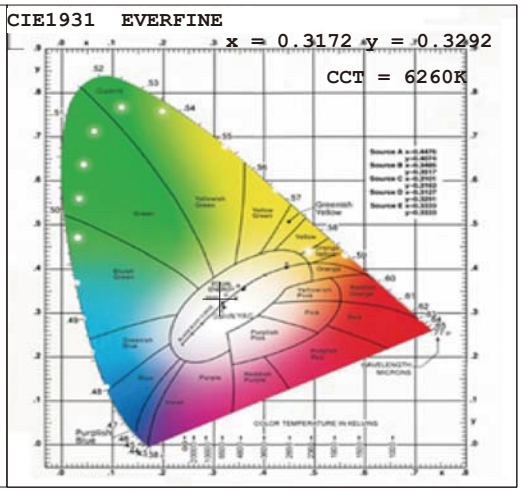
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49092 (75%)
Test Mode	: Accuracy Test	T	: 127 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3172 y = 0.3292 / u' = 0.2009 v' = 0.4691 (duv=1.03e-03)

CCT= 6260K Prcp WL: Ld=488.4nm Purity=5.7%

Peak WL: Lp=449nm FWHM: =21.0nm Ratio:R=13.9% G=81.0% B=5.1%

Render Index: Ra = 82.7

R1 =82	R2 =86	R3 =88	R4 =84	R5 =83	R6 =80	R7 =88	
R8 =71	R9 =11	R10=66	R11=83	R12=59	R13=83	R14=93	R15=78

Photometric & Radiometric Parameters

Flux = 920.65 lm Eff. : 89.557 lm/W Fe = 2.9602 W

Electrical parameters

V = 12.00 V I = 0.857 A P = 10.28 W PF = 1.000 F=0.00 Hz