



SL12-24V LED Strip

Product Details

Code	SL12-24V
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	10mm
Thickness Including LED	2mm
Cut Points	100mm

Electrical Data

Voltage	24V
Power Consumption	12W/m
Dimmable	Yes (PWM)

Light Data

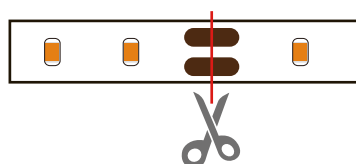
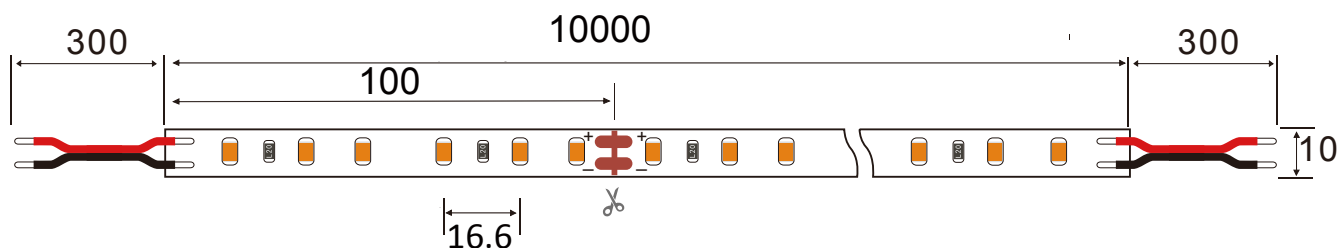
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	1159	1183	1222	1175
LEDs per Metre	60			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	2835			
LED Manufacturer	Epistar			

Environment

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

SL12-24V LED Strip

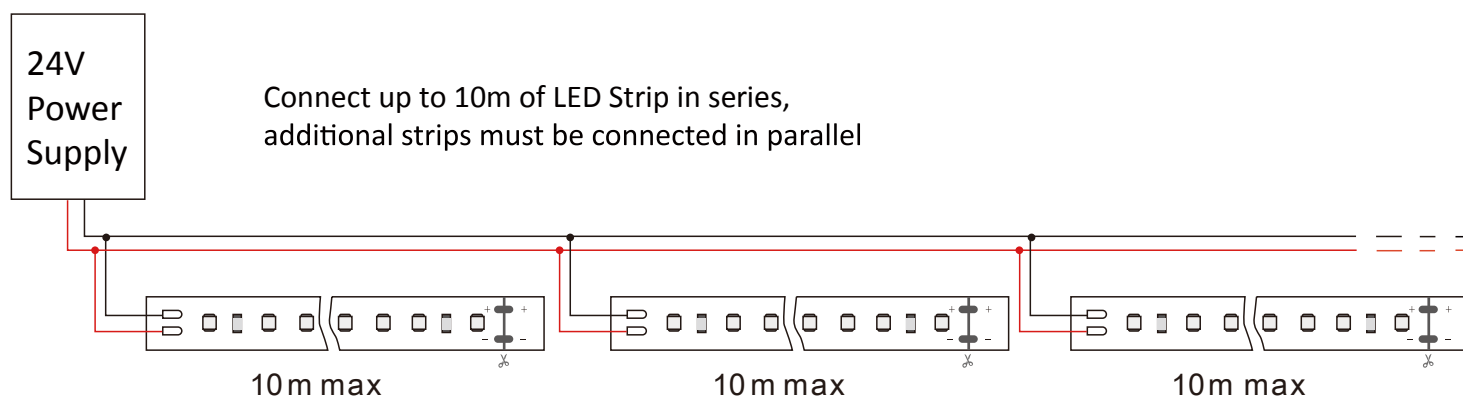
2835 60LEDs/m DC 24V Unit:mm



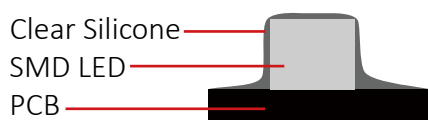
Cut in the centre of the copper or soldered points



Peel off paper backing to reveal 3m self adhesive



IP65 Silicone Spray Coating



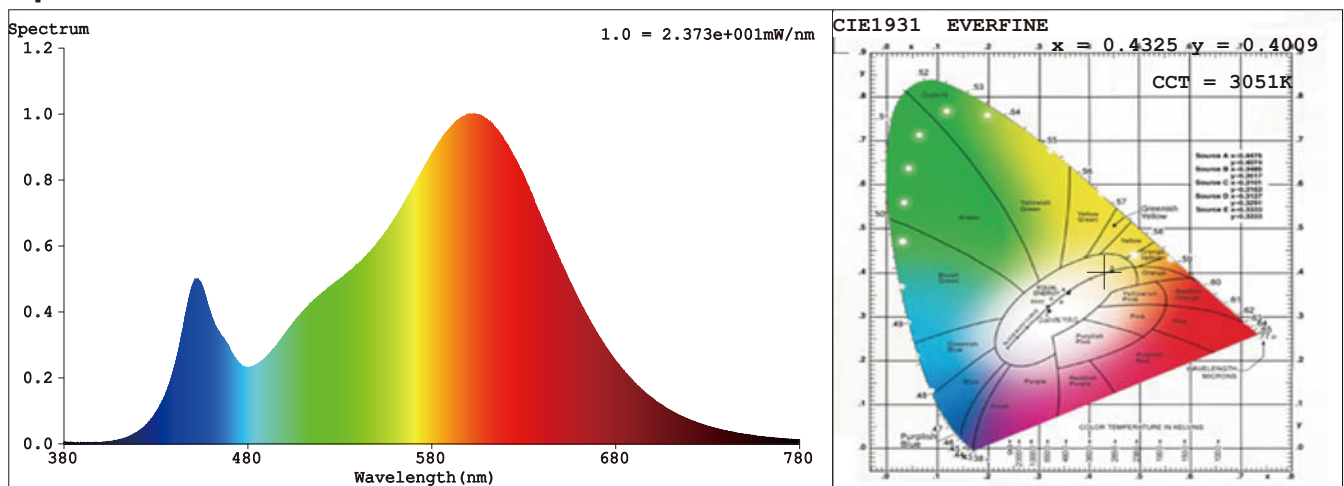
Spectrum Test Report

Sample	:		Date	:	2021-01-14 16:03:57
Specification	:	SL12-24V-3000K	Sam. Status	:	
Sample No.	:	1m	Standard	:	
Manufacturer	:		Instrument	:	HaasSuite(EVERFINE)
Assessor	:	damin			
Remark	:		Test by	:	DAMIN
Device SN	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	50224 (77%)
Test Mode	:	Accuracy Test	T	:	90 ms
Sensitivity	:	High			

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4325$ $y = 0.4009$ / $u' = 0.2490$ $v' = 0.5195$ ($duv = -6.31e-04$)
 CCT= 3051K Prcp WL: $L_d = 582.8nm$ Purity=50.1%
 Peak WL: $L_p = 604nm$ FWHM: =123.9nm Ratio:R=22.6% G=74.6% B=2.8%
 Render Index: Ra = 82.1

EEL: 0.14605 A+

R1 =81	R2 =92	R3 =95	R4 =79	R5 =81	R6 =90	R7 =82	
R8 =57	R9 =4	R10=81	R11=79	R12=74	R13=83	R14=98	R15=73

Photometric & Radiometric Parameters

Flux = 1159.9 lm Eff. : 91.49 lm/W Fe = 3.5033 W

Electrical parameters

V = 24.00 V I = 0.5283 A P = 12.68 W PF = 1.000 F=0.00 Hz

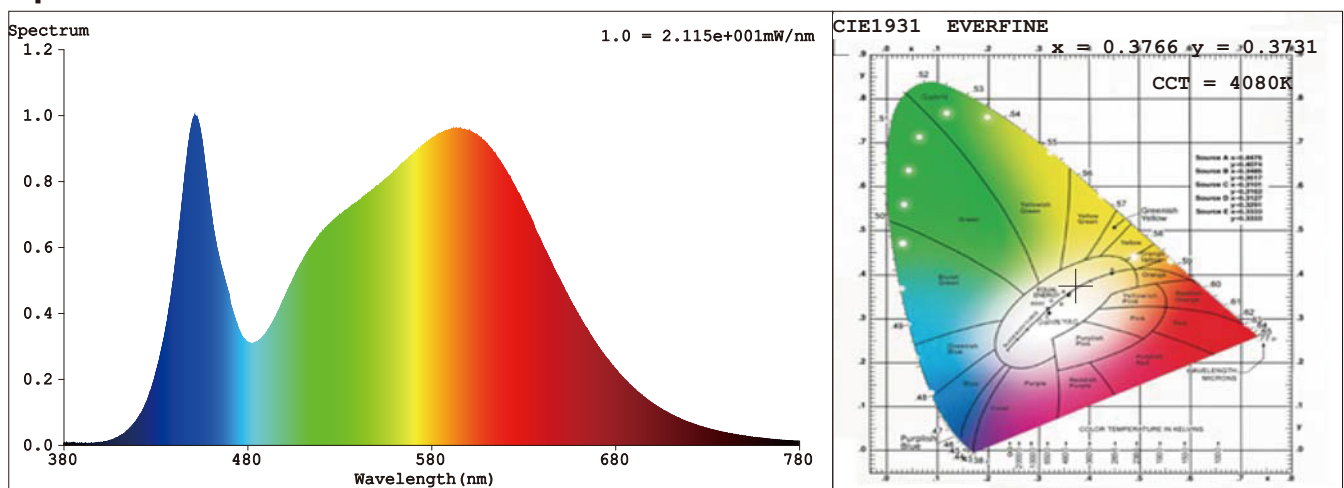
Spectrum Test Report

Sample	:		Date	:	2021-01-14 16:07:28
Specification	:	SL12-24V-4000K	Sam. Status	:	
Sample No.	:	1m	Standard	:	
Manufacturer	:		Instrument	:	HaasSuite(EVERFINE)
Assessor	:	damin			
Remark	:		Test by	:	DAMIN
Device SN	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	50946 (78%)
Test Mode	:	Accuracy Test	T	:	103 ms
Sensitivity	:	High			

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3766$ $y = 0.3731$ / $u' = 0.2240$ $v' = 0.4994$ ($duv = -5.95e-04$)

CCT= 4080K Prpc WL: $L_d = 579.1nm$ Purity=25.0%

Peak WL: $L_p = 451nm$ FWHM: =28.1nm Ratio:R=18.2% G=78.1% B=3.7%

Render Index: $R_a = 83.5$

EEL: 0.13943 A+

R1 =82	R2 =90	R3 =94	R4 =82	R5 =82	R6 =85	R7 =86	
R8 =66	R9 =12	R10=74	R11=81	R12=64	R13=84	R14=97	R15=77

Photometric & Radiometric Parameters

Flux = 1183.7 lm Eff. : 96.17 lm/W $F_e = 3.6383 W$

Electrical parameters

V = 24.00 V I = 0.5129 A P = 12.31 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample :
Specification : SL12-24V-5000K
Sample No. : 1M
Manufacturer :
Assessor : damin
Remark :
Device SN :

Date : 2021-01-14 16:13:11
Sam. Status :
Standard :
Instrument : HaasSuite(EVERFINE)

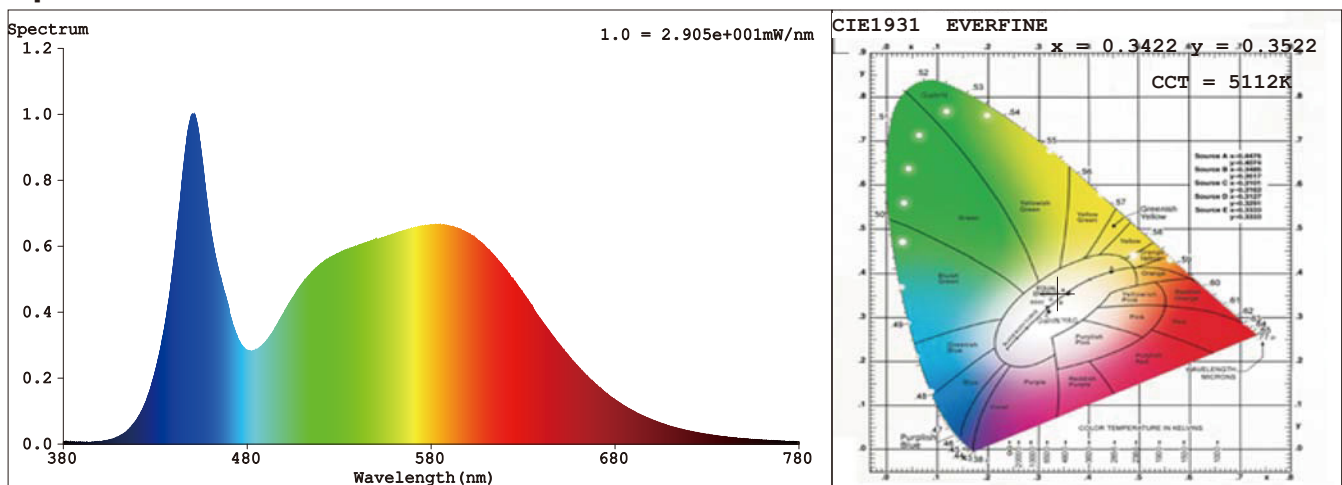
Test by : DAMIN

Test Condition

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

RH : 65.0%
IP : 50180 (77%)
T : 103 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3422$ $y = 0.3522$ / $u' = 0.2092$ $v' = 0.4845$ ($duv=1.47e-03$)

CCT= 5112K Prcp WL: Ld=569.3nm Purity=8.4%

Peak WL: Lp=451nm FWHM: =26.8nm Ratio:R=15.5% G=79.9% B=4.6%

Render Index: Ra = 83.1

EEL: 0.13867 A+

R1 =81	R2 =88	R3 =92	R4 =83	R5 =83	R6 =84	R7 =87
R8 =67	R9 =7	R10=71	R11=82	R12=65	R13=83	R14=96 R15=76

Photometric & Radiometric Parameters

Flux = 1222.6 lm Eff. : 97.23 lm/W Fe = 3.8238 W

Electrical parameters

V = 24.00 V I = 0.5240 A P = 12.57 W PF = 1.000 F=0.00 Hz

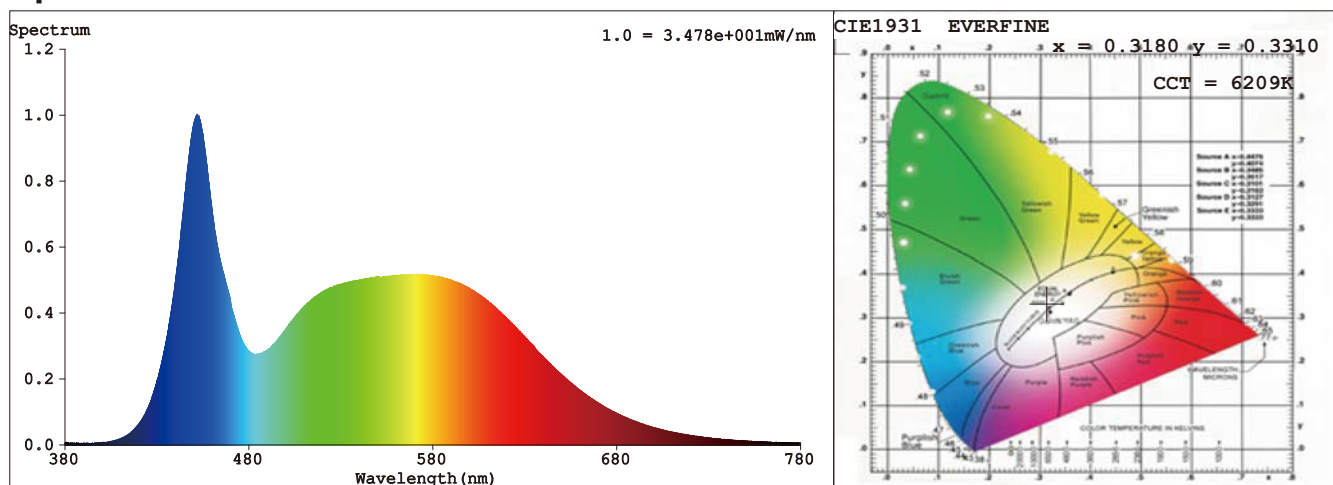
Spectrum Test Report

Sample	:	Date	: 2021-01-14 16:18:13
Specification	: SL12-24V-6000K	Sam. Status	:
Sample No.	: 1m	Standard	:
Manufacturer	:	Instrument	: HaasSuite(EVERFINE)
Assessor	: damin	Test by	: DAMIN
Remark	:		
Device SN	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50283 (77%)
Test Mode	: Accuracy Test	T	: 111 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3180$ $y = 0.3310$ / $u' = 0.2008$ $v' = 0.4702$ ($duv=1.57e-03$)
 CCT= 6209K Prcp WL: $L_d=489.8nm$ Purity=5.3%
 Peak WL: $L_p=452nm$ FWHM: $=26.9nm$ Ratio:R=14.1% G=80.3% B=5.6%
 Render Index: $R_a = 84.5$

EEL: 0.14263 A+

R1 =83	R2 =89	R3 =92	R4 =84	R5 =84	R6 =84	R7 =88
R8 =71	R9 =14	R10=73	R11=83	R12=62	R13=85	R14=96 R15=79

Photometric & Radiometric Parameters

Flux = 1175.1 lm Eff. : 93.89 lm/W Fe = 3.8157 W

Electrical parameters

V = 24.00 V I = 0.5215 A P = 12.51 W PF = 1.000 F=0.00 Hz