LED lighthouse

Simply Quality LED Lighting

5 YEARS WARRANTY | CE | RoHS | IP65

SL5-12V-ZZ(ZigZag) LED Strip

Product Details

Code	SL5-12V-ZZ
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	6mm
Thickness Including LED	2mm
Cut Points	50mm

Electrical Data

Voltage	12V
Power Consumption	4.8W/m
Dimmable	Yes (PWM)

Light Data

Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	480	520	502	500
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

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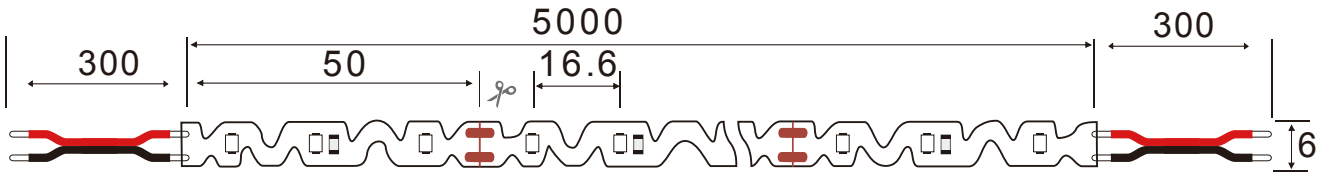
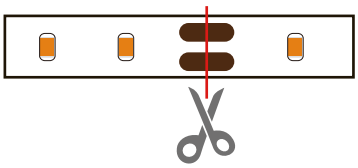
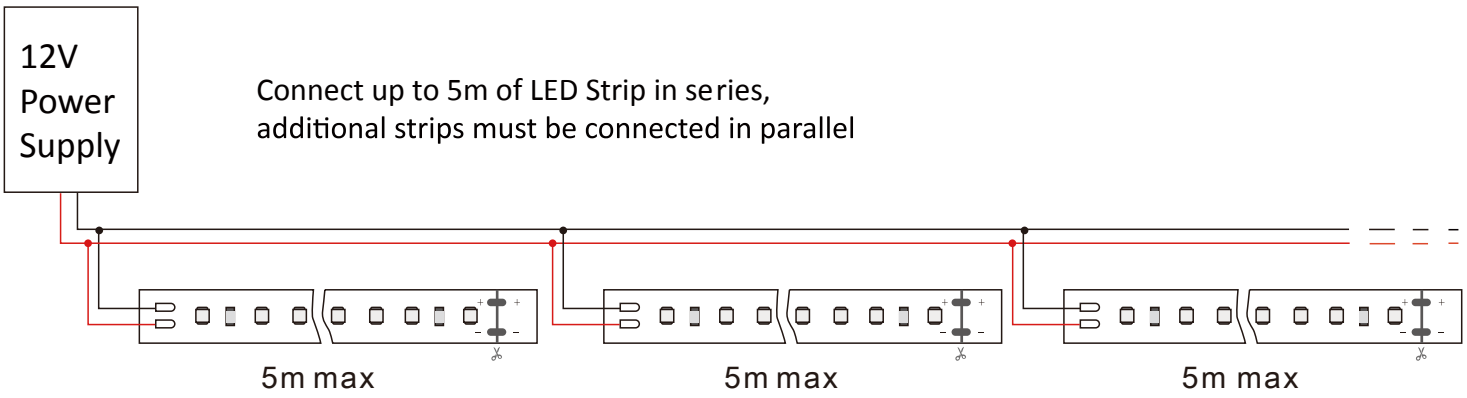
2835 60LEDs/m DC 12V Unit:mm



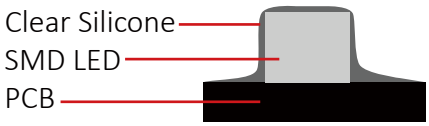


Cut in the centre of the copper or soldered points

Peel off paper backing to reveal 3m self adhesive



IP65 Silicone Spray Coating



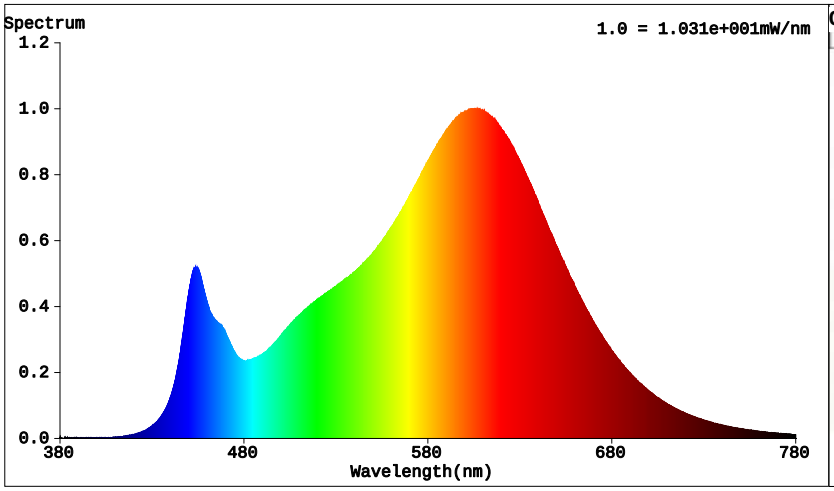
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:20:05
Specification	: SL5-ZZ-12V-3000K (S type)	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 2835	Assessor	: damin

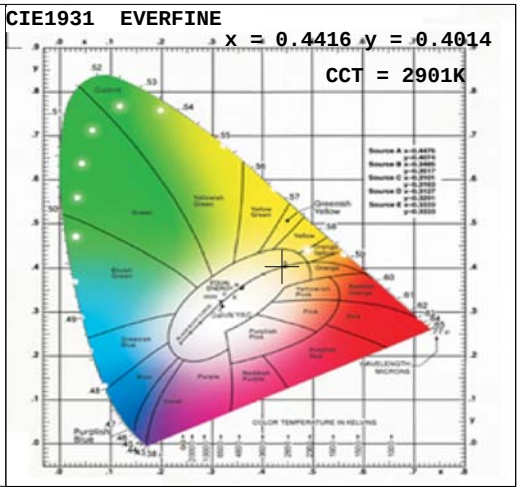
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49907 (76%)
Test Mode	: Accuracy Test	T	: 207 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.4416 y = 0.4014 / u' = 0.2547 v' = 0.5210 (duv=-1.66e-03)

CCT= 2901K Prcp WL: Ld=583.8nm Purity=53.0%

Peak WL: Lp=607nm FWHM: =117.5nm Ratio:R=23.9% G=73.2% B=2.9%

Render Index: Ra = 83.3

R1 =83	R2 =95	R3 =93	R4 =80	R5 =84	R6 =94	R7 =81	
R8 =58	R9 =11	R10=87	R11=80	R12=76	R13=86	R14=97	R15=75

Photometric & Radiometric Parameters

Flux = 480.28 lm Eff. : 97.242 lm/W Fe = 1.4901 W

Electrical parameters

V = 12.00 V I = 0.4115 A P = 4.939 W PF = 1.000 F=0.00 Hz

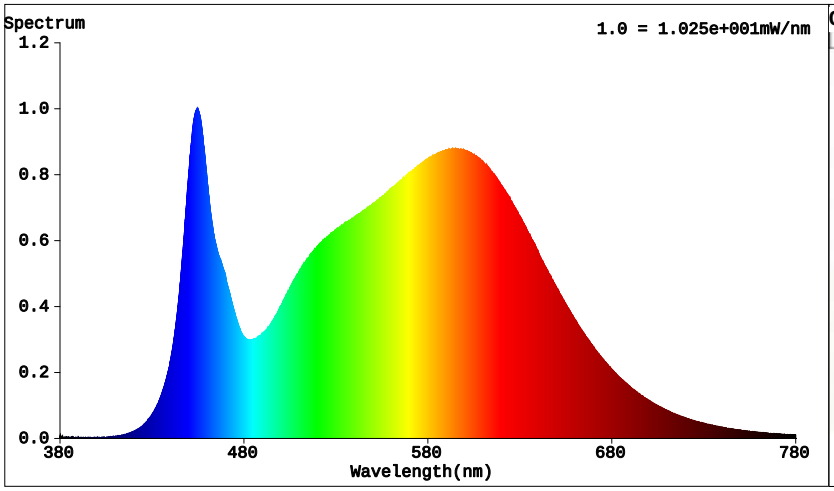
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:22:28
Specification	: SL5-ZZ-12V-4000K (S type)	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 2835	Assessor	: damin

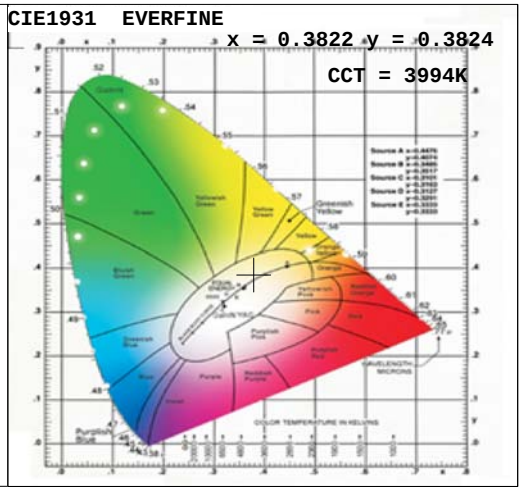
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49674 (76%)
Test Mode	: Accuracy Test	T	: 224 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3822 y = 0.3824 / u' = 0.2240 v' = 0.5043 (duv=2.11e-03)

CCT= 3994K Prcp WL: Ld=578.0nm Purity=29.5%

Peak WL: Lp=455nm FWHM: =23.9nm Ratio:R=18.3% G=77.8% B=3.9%

Render Index: Ra = 83.5

R1 =82	R2 =91	R3 =96	R4 =80	R5 =81	R6 =87	R7 =86	
R8 =65	R9 =11	R10=78	R11=79	R12=59	R13=84	R14=98	R15=76

Photometric & Radiometric Parameters

Flux = 520.30 lm Eff. : 104.226 lm/W Fe = 1.5811 W

Electrical parameters

V = 12.00 V I = 0.416 A P = 4.992 W PF = 1.000 F=0.00 Hz

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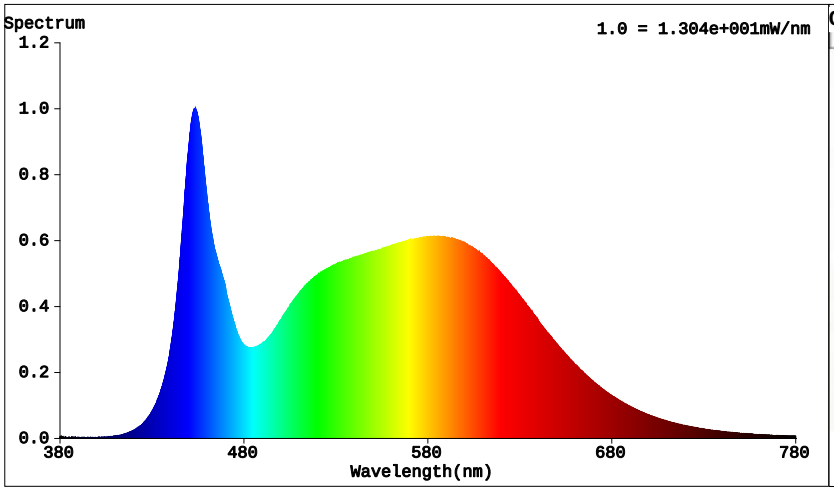
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:24:02
Specification	: SL5-ZZ-12V-5000K (S type)	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 2835	Assessor	: damin

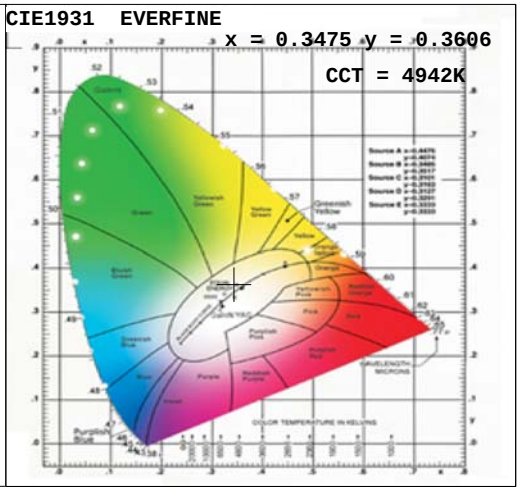
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50611 (77%)
Test Mode	: Accuracy Test	T	: 248 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3475 y = 0.3606 / u' = 0.2096 v' = 0.4893 (duv=3.50e-03)

CCT= 4942K Prcp WL: Ld=570.4nm Purity=12.5%

Peak WL: Lp=454nm FWHM: =23.3nm Ratio:R=15.8% G=79.4% B=4.8%

Render Index: Ra = 83.4

R1 =82	R2 =90	R3 =95	R4 =80	R5 =81	R6 =85	R7 =87	
R8 =67	R9 =10	R10=76	R11=79	R12=55	R13=84	R14=98	R15=76

Photometric & Radiometric Parameters

Flux = 502.35 lm Eff. : 102.961 lm/W Fe = 1.5601 W

Electrical parameters

V = 12.00 V I = 0.4066 A P = 4.879 W PF = 1.000 F=0.00 Hz

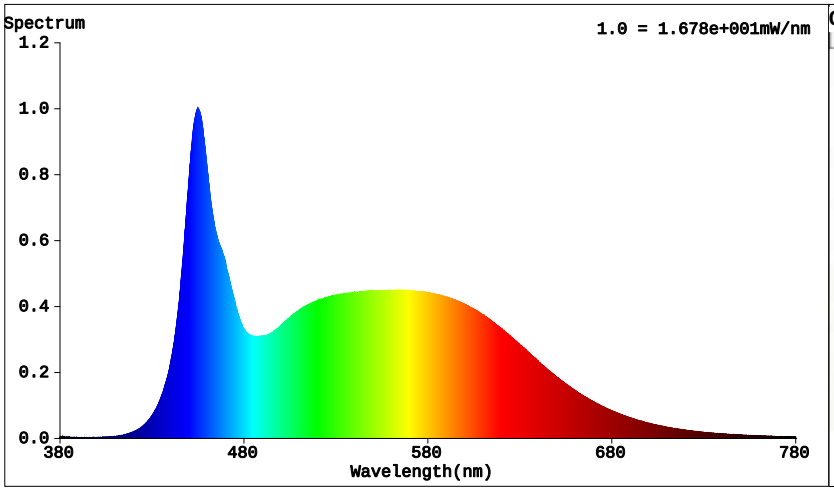
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:25:20
Specification	: SL5-ZZ-12V-6000K (S type)	Instrument	: HaasSuite(EVERFINE)
Sample No.	:	Test by	: DAMIN
LED type	: Epistar 2835	Assessor	: damin

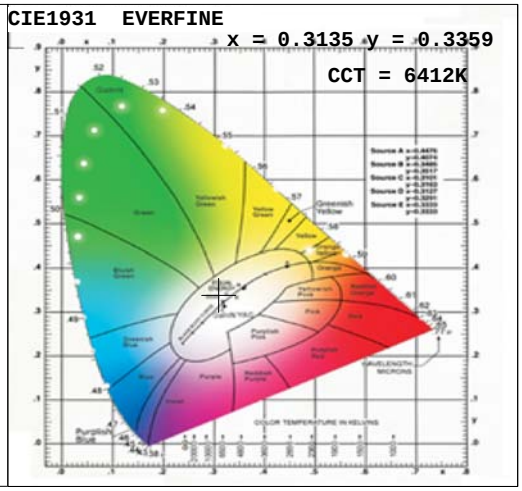
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49023 (75%)
Test Mode	: Accuracy Test	T	: 218 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.3135 y = 0.3359 / u' = 0.1958 v' = 0.4721 (duv=6.30e-03)

CCT= 6412K Prcp WL: Ld=493.4nm Purity=6.5%

Peak WL: Lp=455nm FWHM: =25.1nm Ratio:R=13.7% G=79.8% B=6.6%

Render Index: Ra = 85.1

R1 =84	R2 =94	R3 =95	R4 =80	R5 =83	R6 =89	R7 =86	
R8 =70	R9 =16	R10=83	R11=80	R12=59	R13=88	R14=98	R15=79

Photometric & Radiometric Parameters

Flux = 500.55 lm Eff. : 100.8175 lm/W Fe = 1.6292 W

Electrical parameters

V = 12.00 V I = 0.4138 A P = 4.965 W PF = 1.000 F=0.00 Hz