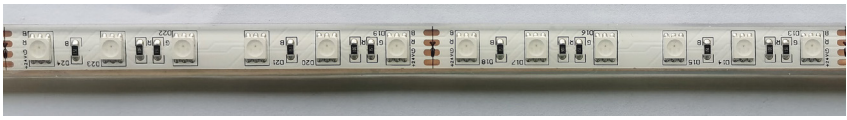
LED lighthouse

Simply Quality LED Lighting



SL-RGB-60-24V-IP68 LED Strip

Product Details

Code	SL-RGB-60-24V-IP68
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	4.5mm
Cut Points	100mm

Electrical Data

Voltage	24V
Power Consumption	14.4W/m
Dimmable	Yes (PWM)

Light Data

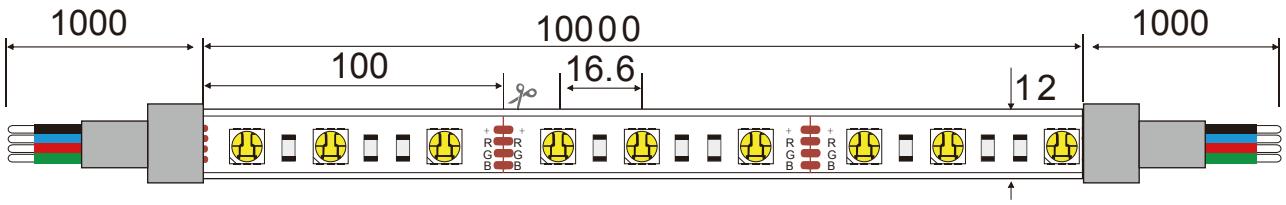
Colour Temperature	**RGB**
Lumens per Metre	R:148 G:282 B:72 RGB:471
LEDs per Metre	60
Beam Angle	120°
Colour Rendering Index(CRI)	/
LED Type	5050
LED Manufacturer	Epistar

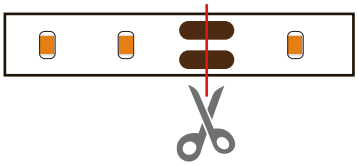
Environment

Operating Temperature	-30 ~ 60°C
Ingress Protection (IP) Rating	68

SL-RGB-60-24V-IP68 LED Strip

5050 60LEDs/m DC 24V Unit:mm



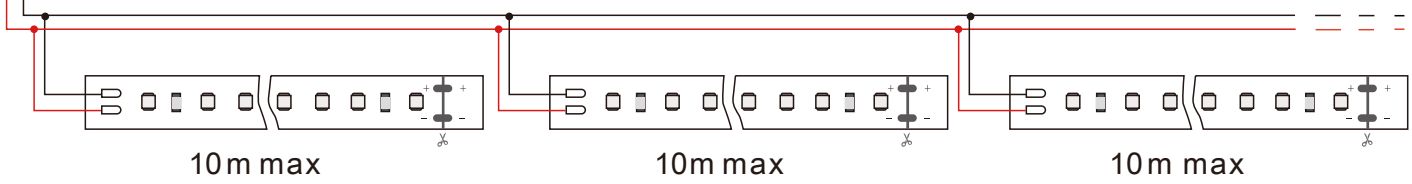


Cut in the centre of the copper or soldered points

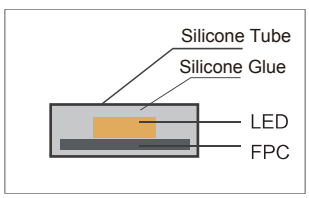
Peel off paper backing to reveal 3m self adhesive

24V Power Supply

Connect up to 10m of LED Strip in series, additional strips must be connected in parallel



Silicone tube filled with silicone glue waterproof



IP68

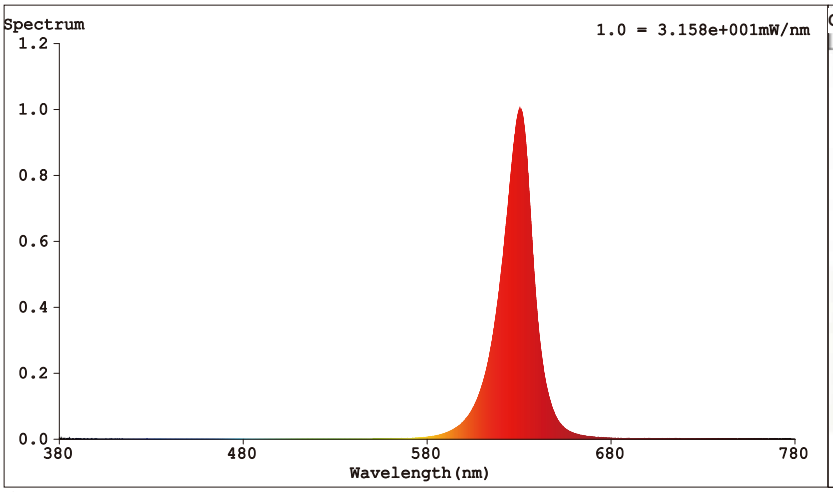
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:10:39
Specification	: SL-RGB-60-24V-IP68(Red)	Sam. Status	: Red
Sample No.	: 1M	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar 5050	Test by	: DAMIN
		Assessor	: damin

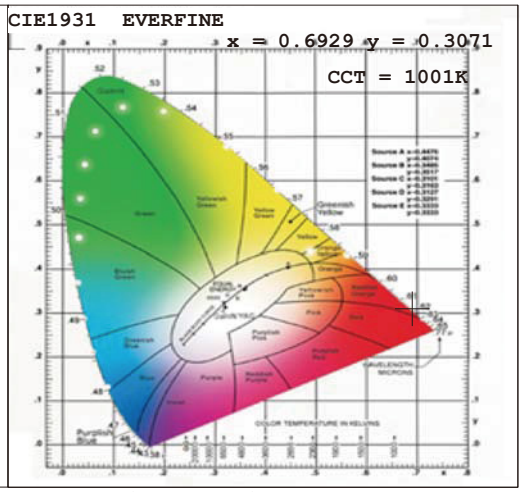
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 51016 (78%)
Test Mode	: Accuracy Test	T	: 80 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.6929 y = 0.3071 / u' = 0.5230 v' = 0.5215 (duv=-7.54e-02)

CCT= 1001K Prcp WL: Ld=620.6nm Purity=100.0%

Peak WL: Lp=630nm FWHM: =17.9nm Ratio:R=94.9% G=5.1% B=0.0%

Render Index: Ra = 16.3

R1 =8	R2 =77	R3 =34	R4 =-24	R5 =2	R6 =87	R7 =10	
R8 =-63	R9 =-212	R10=69	R11=-14	R12=77	R13=29	R14=62	R15=-30

Photometric & Radiometric Parameters

Flux = 141.11 lm Eff. : 31.33 lm/W Fe = 688.83 mW

Electrical parameters

V = 24.00 V I = 0.1877 A P = 4.504 W PF = 1.000 F=0.00 Hz

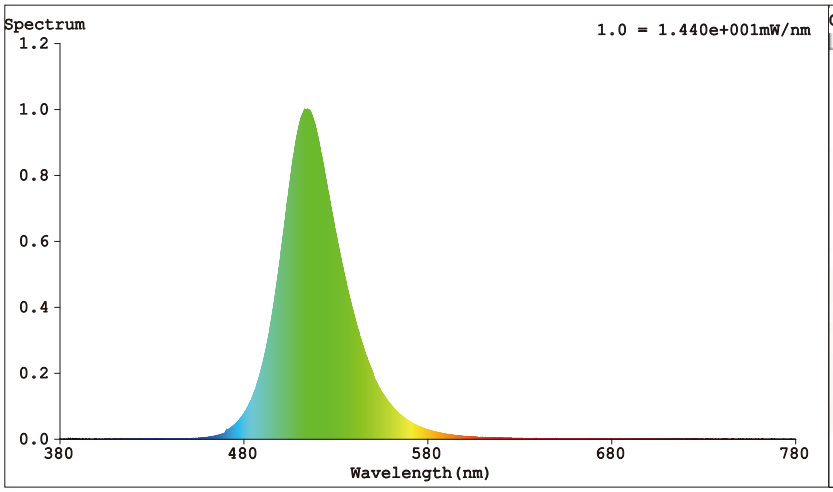
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:11:36
Specification	: : SL-RGB-60-24V-IP68(Green)	Sam. Status	: Green
Sample No.	: 1M	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar 5050	Test by	: DAMIN
		Assessor	: damin

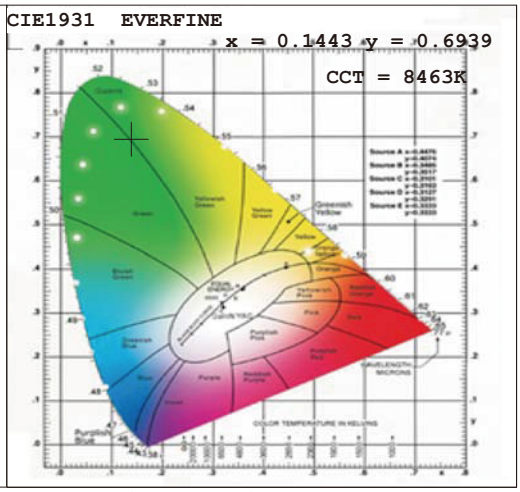
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48369 (74%)
Test Mode	: Accuracy Test	T	: 170 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.1443 y = 0.6939 / u' = 0.0523 v' = 0.5658 (duv=1.61e-01)

CCT= 8463K Prcp WL: Ld=519.6nm Purity=72.1%

Peak WL: Lp=514nm FWHM: =35.9nm Ratio:R=0.3% G=95.1% B=4.6%

Render Index: Ra = -21.0

R1 =-34	R2 =-4	R3 =-16	R4 =-61	R5 =-7	R6 =-13	R7 =-4	
R8 =-29	R9 =-351	R10=-96	R11=-87	R12=-24	R13=-39	R14=42	R15=-31

Photometric & Radiometric Parameters

Flux = 261.57 lm Eff. : 61.17 lm/W Fe = 601.43 mW

Electrical parameters

V = 24.00 V I = 0.1782 A P = 4.276 W PF = 1.000 F=0.00 Hz

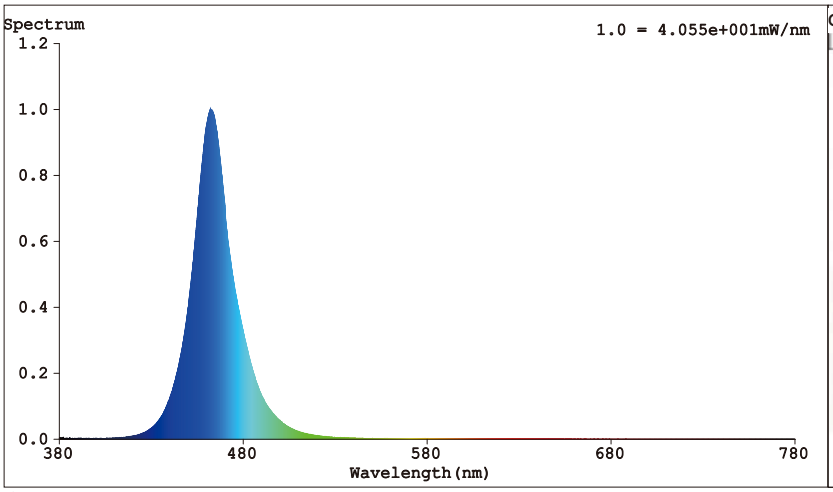
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:12:08
Specification	: SL-RGB-60-24V-IP68(Blue)	Sam. Status	: Blue
Sample No.	: 1M	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar 5050	Test by	: DAMIN
		Assessor	: damin

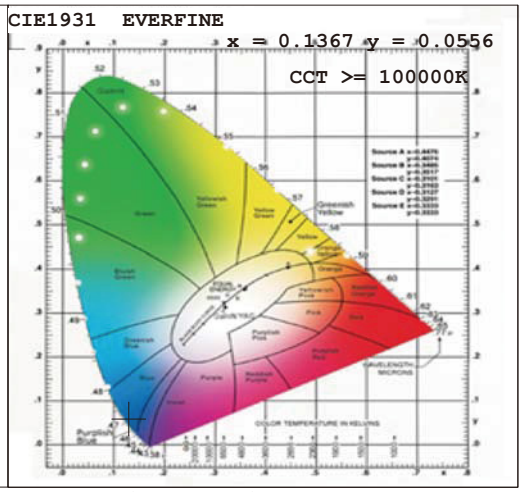
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49514 (76%)
Test Mode	: Accuracy Test	T	: 92 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.1367 y = 0.0556 / u' = 0.1611 v' = 0.1475 (duv=1.69e-01)

CCT>=100000K Prcp WL: Ld=467.3nm Purity=97.0%

Peak WL: Lp=462nm FWHM: =22.2nm Ratio:R=0.3% G=15.2% B=84.4%

Render Index: Ra = -50.3

R1 =-18	R2 =-43	R3 =-131	R4 =-82	R5 =0	R6 =-53	R7 =-42	
R8 =-34	R9 =-285	R10=-223	R11=-114	R12=-104	R13=-35	R14=-28	R15=-0

Photometric & Radiometric Parameters

Flux = 72.249 lm Eff. : 15.83 lm/W Fe = 1.1275 W

Electrical parameters

V = 24.00 V I = 0.1902 A P = 4.564 W PF = 1.000 F=0.00 Hz

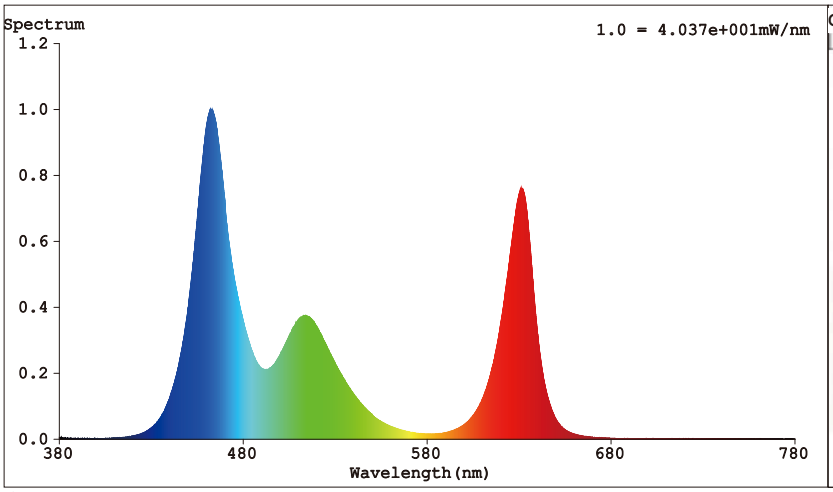
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-04-17 15:12:44
Specification	: SL-RGB-60-24V-IP68(RGB)	Sam. Status	: Red,Green,Blue
Sample No.	: 1M	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar 5050	Test by	: DAMIN
		Assessor	: damin

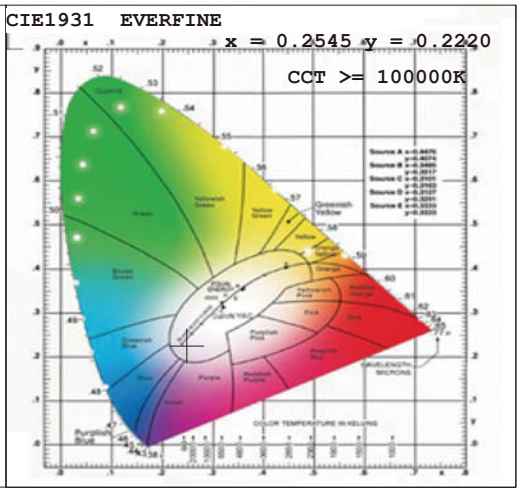
Test Condition

Temprature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50580 (77%)
Test Mode	: Accuracy Test	T	: 82 ms
		Sensitivity	: High

Spectrum



Spectral Distribution



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.2545 y = 0.2220 / u' = 0.1975 v' = 0.3876 (duv=-1.85e-02)

CCT>=100000K Prcp WL: Ld=467.3nm Purity=38.9%

Peak WL: Lp=462nm FWHM: =22.7nm Ratio:R=27.6% G=56.9% B=15.5%

Render Index: Ra = 16.5

R1 =-13	R2 =25	R3 =58	R4 =13	R5 =14	R6 =25	R7 =48	
R8 =-39	R9 =-335	R10=-79	R11=-5	R12=29	R13=-8	R14=71	R15=-35

Photometric & Radiometric Parameters

Flux = 471.71 lm Eff. : 35.08 lm/W Fe = 2.4126 W

Electrical parameters

V = 24.00 V I = 0.5604 A P = 13.45 W PF = 1.000 F=0.00 Hz