



SL-RGB-60-24V LED Strip

Product Details

Code	SL-RGB-60-24V
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	2.5mm
Cut Points	100mm

Electrical Data

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

Light Data

Colour Temperature

RGB

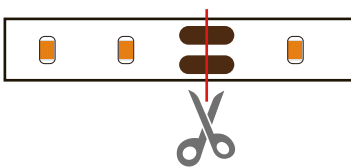
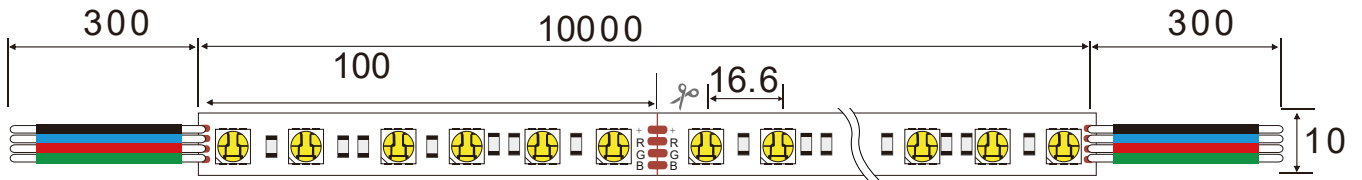
Lumens per Metre	R:148 G:282 B:68 RGB:486
LEDs per Metre	60
Beam Angle	120°
Colour Rendering Index(CRI)	/
LED Type	5050
LED Manufacturer	Epistar

Environment

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

SL-RGB-60-24V LED Strip

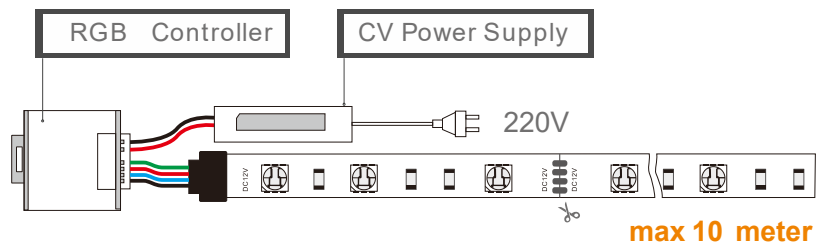
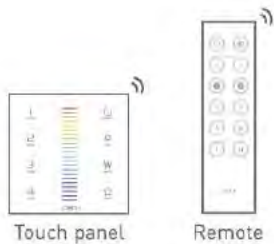
5050 60LEDs/m DC 24V Unit:mm



Cut in the centre of the copper or soldered points

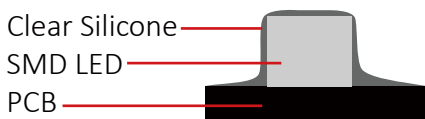


Peel off paper backing to reveal 3m self adhesive



- 1.The voltage out from the power supply must be the same as the voltage requirement of the LED Strip
- 2.The power capacity of the power supply must be equal to or greater than the power requirement of the LED Strip
- 3.Some of our control systems allow multiple RGB controllers to be used in one installation

IP65 Silicone Spray Coating



Spectrum Test Report

Sample : 1m LED strip
 Specification : SL-RGB-60-24V (Red chip)
 Sample No. : 1
 LED type : Epistar RGB

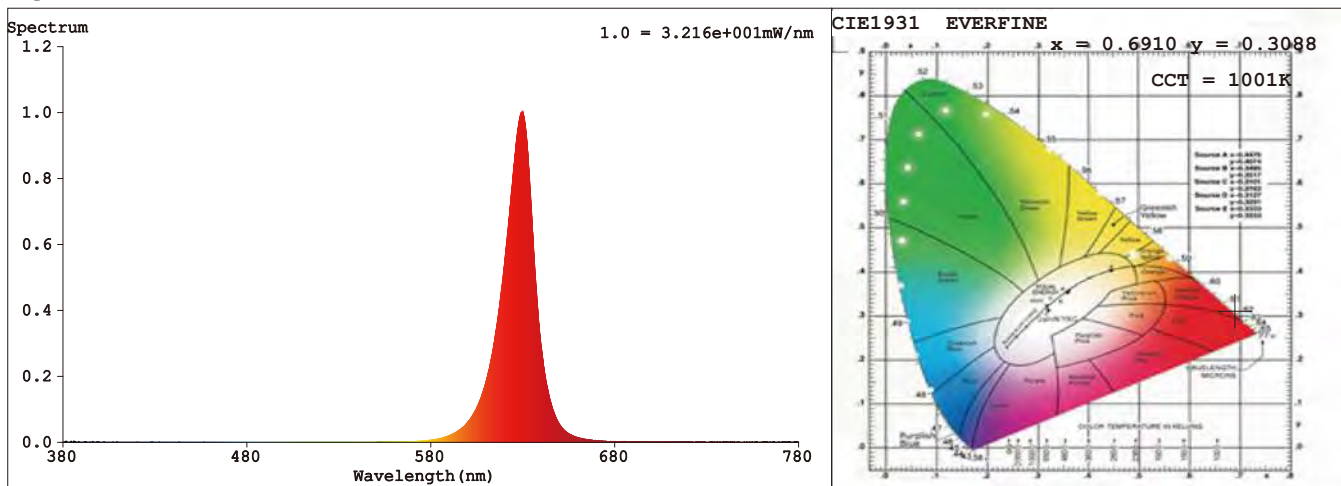
Date : 2019-03-21 14:21:26
 Sam. Status : Red
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 49163 (75%)
 T : 72 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6910$ $y = 0.3088$ / $u' = 0.5192$ $v' = 0.5220$ ($duv = -7.16e-02$)

CCT= 1001K Prcp WL: $L_d = 619.7\text{nm}$ Purity=100.0%

Peak WL: $L_p = 630\text{nm}$ FWHM: $= 17.7\text{nm}$ Ratio: R=94.5% G=5.5% B=0.0%

Render Index: $R_a = 16.5$

R1 =9 R2 =78 R3 =33 R4 =-24 R5 =3 R6 =89 R7 =9
 R8 =-64 R9 =-212 R10=71 R11=-14 R12=79 R13=30 R14=61 R15=-30

Photometric & Radiometric Parameters

Flux = 148.03 lm Eff. : 32.47 lm/W Fe = 694.17 mW

Electrical parameters

V = 24.00 V I = 0.1900 A P = 4.560 W PF = 1.000 F=0.00 Hz

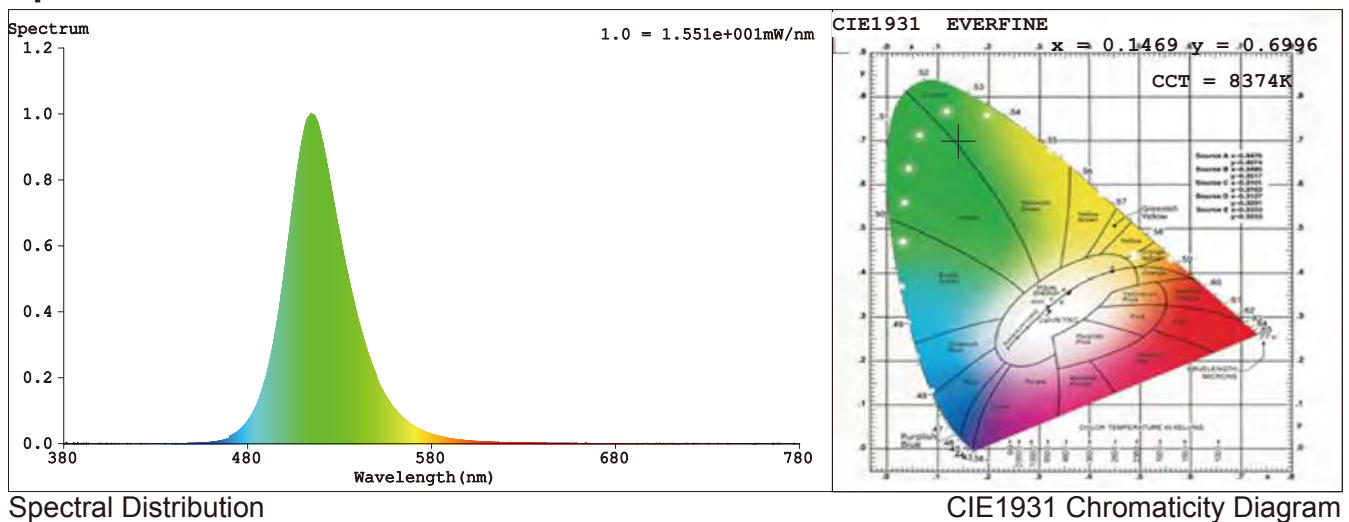
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 14:22:38
Specification	: SL-RGB-60-24V (Green chip)	Sam. Status	: Green
Sample No.	: 2	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar RGB	Test by	: DAMIN
		Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48585 (74%)
Test Mode	: Accuracy Test	T	: 149 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1469$ $y = 0.6996$ / $u' = 0.0529$ $v' = 0.5672$ ($duv=1.61e-01$)
 CCT= 8374K Prcp WL: $L_d=520.5nm$ Purity=73.2%
 Peak WL: $L_p=515nm$ FWHM: $=35.6nm$ Ratio:R=0.3% G=95.5% B=4.2%

Render Index: $R_a = -21.9$

R1 =-34 R2 =-5 R3 =-18 R4 =-62 R5 =-8 R6 =-13 R7 =-5
 R8 =-30 R9 =-353 R10=-98 R11=-88 R12=-25 R13=-39 R14=41 R15=-31

Photometric & Radiometric Parameters

Flux = 282.75 lm Eff. : 58.79 lm/W Fe = 640.20 mW

Electrical parameters

V = 24.00 V I = 0.2004 A P = 4.809 W PF = 1.000 F=0.00 Hz

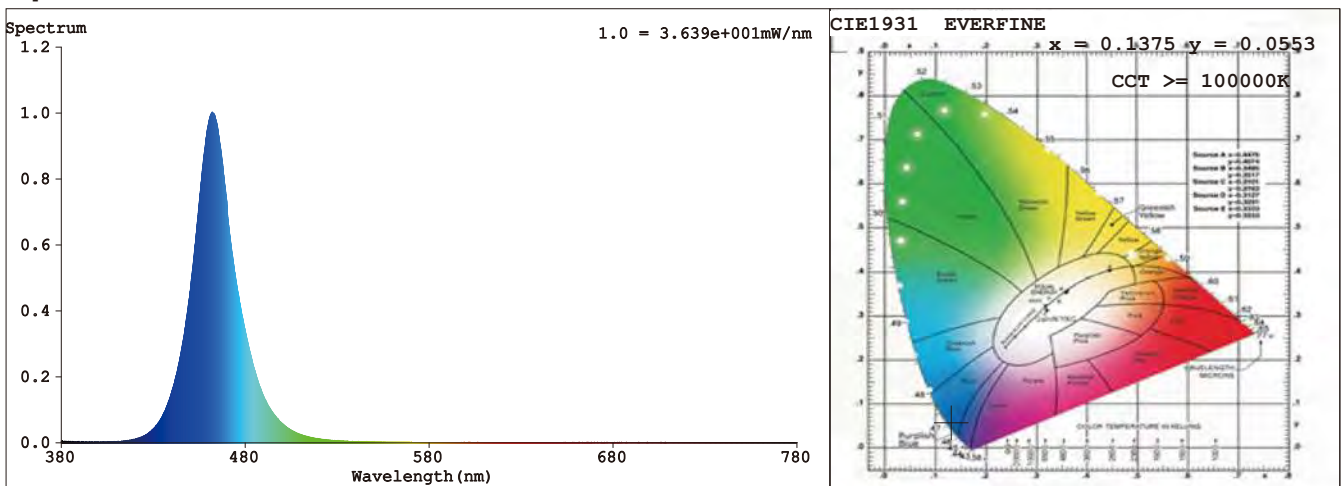
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 14:23:15
Specification	: SL-RGB-60-24V (Blue chip)	Sam. Status	: Blue
Sample No.	: 3	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar RGB	Test by	: DAMIN
		Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49556 (76%)
Test Mode	: Accuracy Test	T	: 96 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1375$ $y = 0.0553$ / $u' = 0.1624$ $v' = 0.1469$ ($duv=1.69e-01$)
 CCT ≥ 100000 K Prcp WL: $L_d=467.1$ nm Purity=96.9%
 Peak WL: $L_p=462$ nm FWHM: =23.9nm Ratio:R=0.4% G=16.2% B=83.4%

Render Index: $R_a = -48.8$

R1 =-16 R2 =-40 R3 =-129 R4 =-81 R5 =1 R6 =-51 R7 =-41
 R8 =-34 R9 =-282 R10=-216 R11=-114 R12=-102 R13=-33 R14=-27 R15=1

Photometric & Radiometric Parameters

Flux = 68.647 lm Eff. : 13.94 lm/W Fe = 1.0737 W

Electrical parameters

V = 24.00 V I = 0.2052 A P = 4.924 W PF = 1.000 F=0.00 Hz

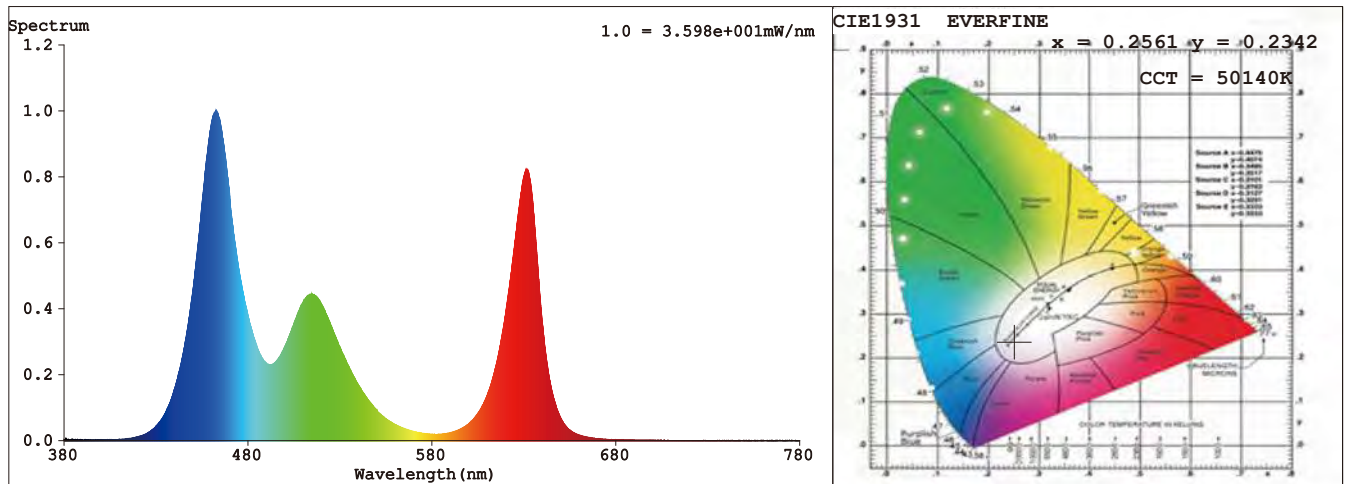
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 14:23:50
Specification	: SL-RGB-60-24V (RGB)	Sam. Status	: Red,Green,Blue
Sample No.	: 4	Instrument	: HaasSuite(EVERFINE)
LED type	: Epistar RGB	Test by	: DAMIN
		Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47191 (72%)
Test Mode	: Accuracy Test	T	: 76 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2561$ $y = 0.2342$ / $u' = 0.1934$ $v' = 0.3979$ ($duv = -1.25e-02$)
 CCT= 50140K Prcp WL: $L_d = 470.9 \text{ nm}$ Purity=36.5%
 Peak WL: $L_p = 463 \text{ nm}$ FWHM: $= 24.8 \text{ nm}$ Ratio: R=26.2% G=59.5% B=14.3%

Render Index: $R_a = 24.5$

R1 = -2 R2 = 36 R3 = 65 R4 = 19 R5 = 23 R6 = 35 R7 = 51
 R8 = -31 R9 = -305 R10 = -52 R11 = 1 R12 = 41 R13 = 3 R14 = 74 R15 = -23

Photometric & Radiometric Parameters

Flux = 485.93 lm Eff. : 33.44 lm/W $F_e = 2.3734 \text{ W}$

Electrical parameters

$V = 24.00 \text{ V}$ $I = 0.6056 \text{ A}$ $P = 14.53 \text{ W}$ PF = 1.000 F=0.00 Hz