



SL-RGB-60-12V LED Strip

Product Details

Code	SL-RGB-60-12V
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	2.5mm
Cut Points	50mm

Electrical Data

Voltage	12V
Power Consumption	14.4W/m
Dimmable	Yes (PWM)

Light Data

Colour Temperature

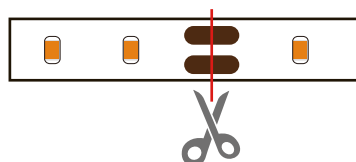
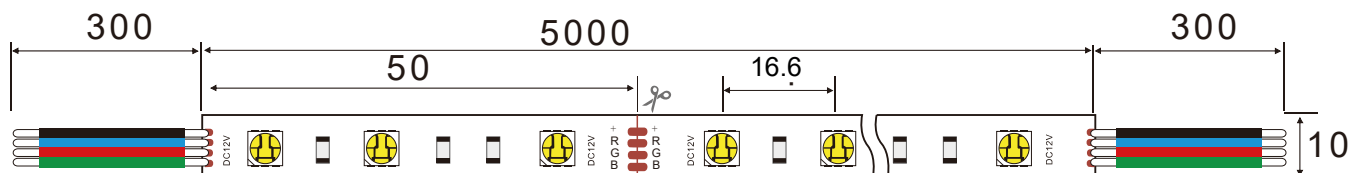
Lumens per Metre	RGB R:152 G:290 B:71 RGB:513
LEDs per Metre	60
Beam Angle	120°
Colour Rendering Index(CRI)	/
LED Type	5050
LED Manufacturer	Epistar

Environment

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

SL-RGB-60-12V LED Strip

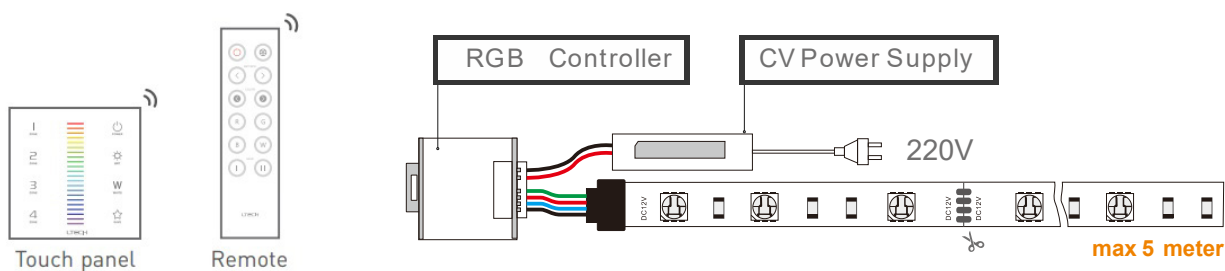
5050 60LEDs/m DC 12V Unit:mm



Cut in the
centre of the
copper or
soldered points

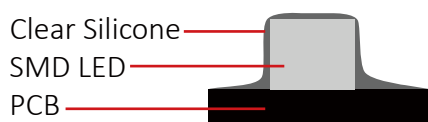


Peel off paper backing to
reveal 3m self adhesive



- 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 :
Specification : SL-RGB-60-12V-R
Sample No. :
Manufacturer :

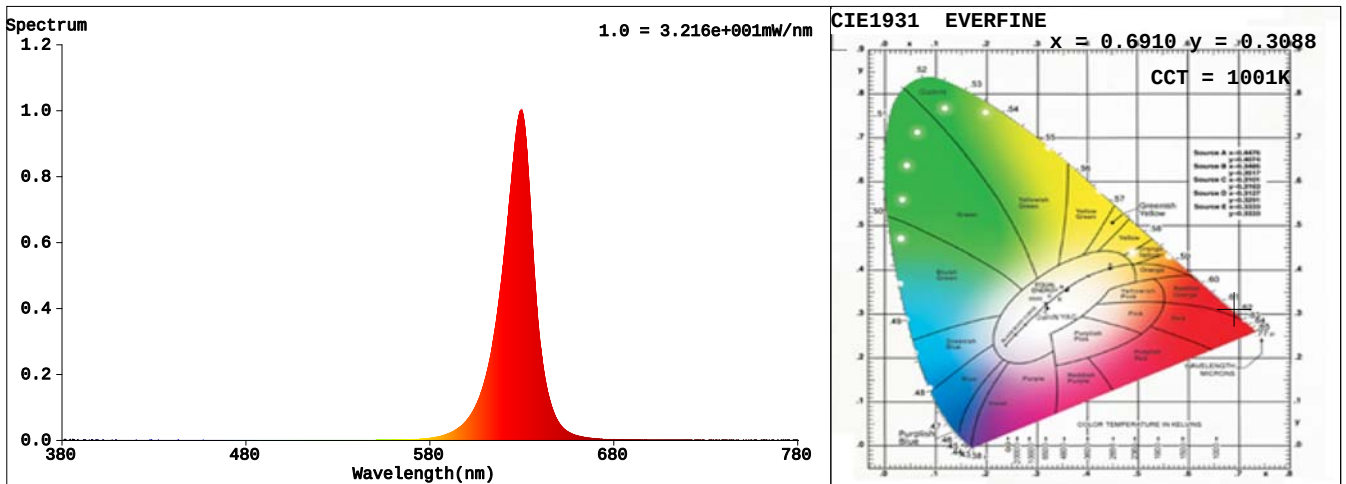
Date :
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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 = 152.06 lm Eff. : 33.346 lm/W $\Phi_e = 694.17\text{ mW}$

Electrical parameters

V = 12.00 V I = 0.3800 A P = 4.560 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample :
Specification : SL-RGB-60-12V (Green)
Sample No. :
Manufacturer :

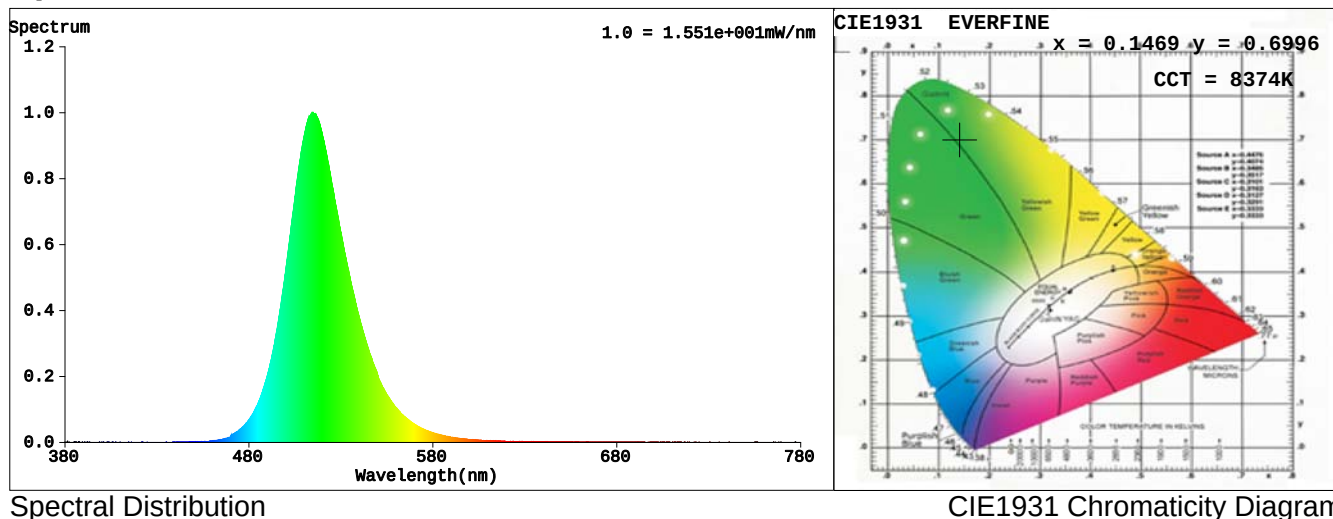
Date :
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 48585 (74%)
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: $R_a = -21.9$

$R_1 = -34$ $R_2 = -5$ $R_3 = -18$ $R_4 = -62$ $R_5 = -8$ $R_6 = -13$ $R_7 = -5$

$R_8 = -30$ $R_9 = -353$ $R_{10} = -98$ $R_{11} = -88$ $R_{12} = -25$ $R_{13} = -39$ $R_{14} = 41$ $R_{15} = -31$

Photometric & Radiometric Parameters

Flux = 290.08 lm Eff. : 60.32 lm/W $P_e = 640.20 mW$

Electrical parameters

V = 12.00 V I = 0.4008 A P = 4.809 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample :
Specification : SL-RGB-60-12V(Blue)
Sample No. :
Manufacturer :

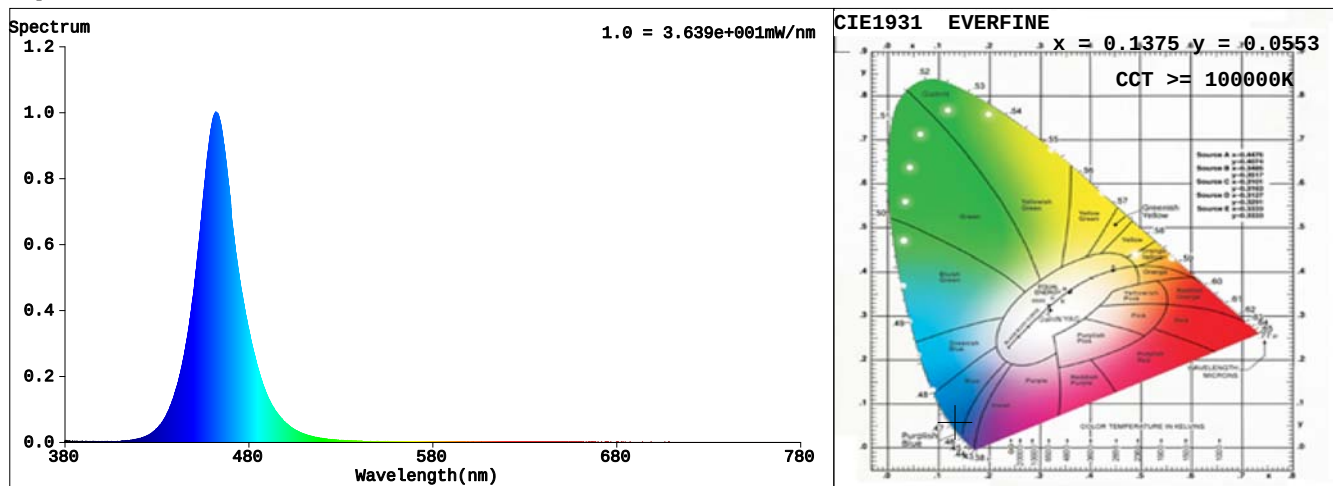
Date :
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 49556 (76%)
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 $\geq$ 1000000K Prcp WL: $L_d=467.1nm$ Purity=96.9%

Peak WL: $L_p=462nm$ FWHM: $\approx 23.9nm$ Ratio: R=0.4% G=16.2% B=83.4%

Render Index: $R_a = -48.8$

$R_1 = -16$ $R_2 = -40$ $R_3 = -129$ $R_4 = -81$ $R_5 = 1$ $R_6 = -51$ $R_7 = -41$

$R_8 = -34$ $R_9 = -282$ $R_{10} = -216$ $R_{11} = -114$ $R_{12} = -102$ $R_{13} = -33$ $R_{14} = -27$ $R_{15} = 1$

Photometric & Radiometric Parameters

Flux = 70.889 lm Eff. : 14.397 lm/W $F_e = 1.0737 W$

Electrical parameters

V = 12.00 V I = 0.4104 A P = 4.924 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample :
Specification : SL-RGB-60-12V(RGB)
Sample No. :
Manufacturer :

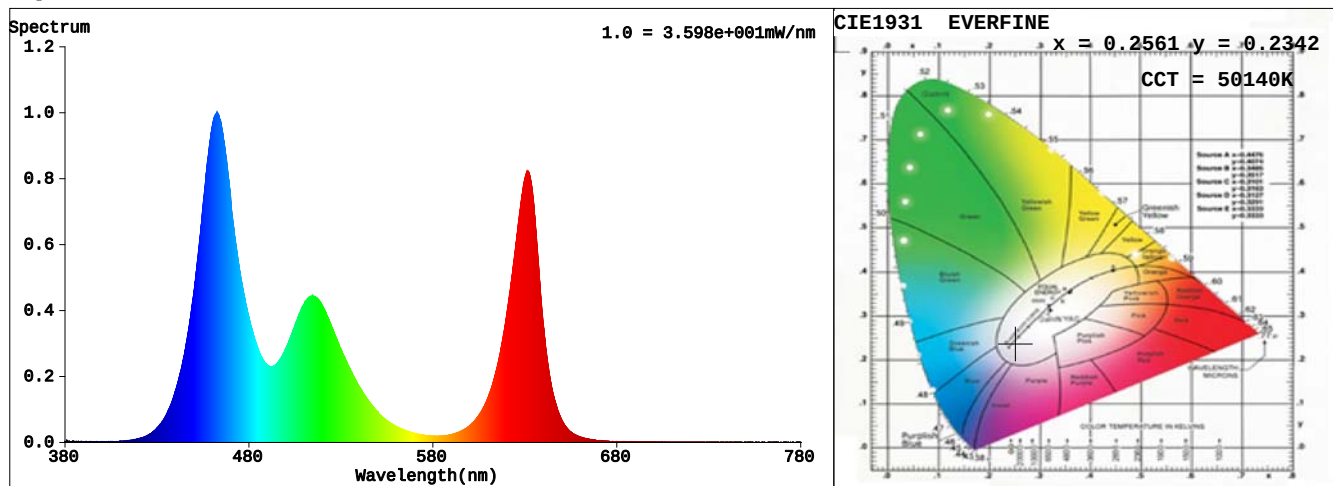
Date :
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 47191 (72%)
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: Ld=470.9nm Purity=36.5%

Peak WL: Lp=463nm FWHM: =24.8nm Ratio:R=26.2% G=59.5% B=14.3%

Render Index: Ra = 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 = 513.029 lm Eff. : 35.31 lm/W Fe = 2.3734 W

Electrical parameters

V = 12.00 V I = 1.2112 A P = 14.53 W PF = 1.000 F=0.00 Hz