



SL-RGB-60-12V-IP68 LED Strip

Product Details

Code	SL-RGB-60-12V-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	50mm

Electrical Data

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

Light Data

Colour Temperature

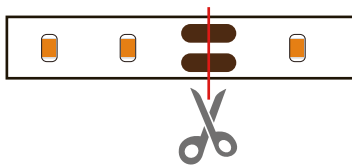
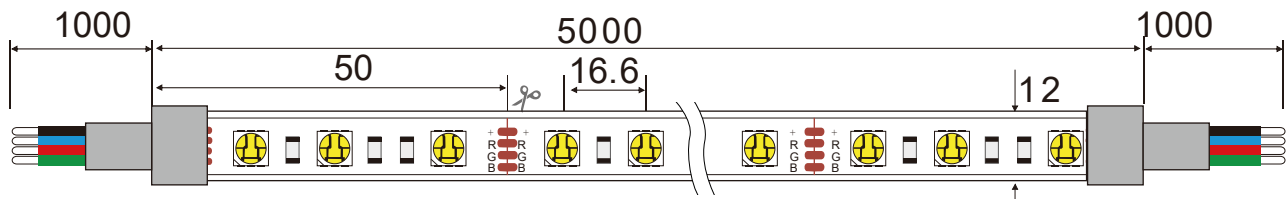
Lumens per Metre	RGB R:145 G:266 B:75 RGB:486
LEDs per Metre	60
Beam Angle	120°
Colour Rendering Index(CRI)	/
LED Type	5050
LED Manufacturer	Epistar

Environment

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

SL-RGB-60-12V-IP68 LED Strip

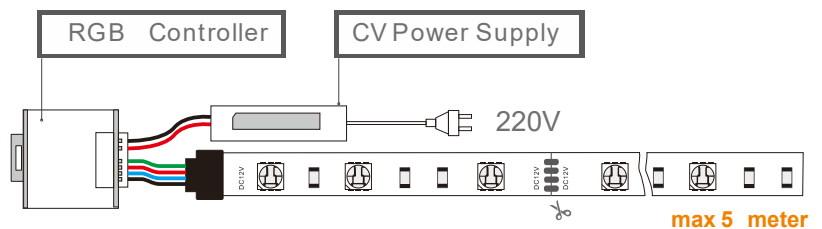
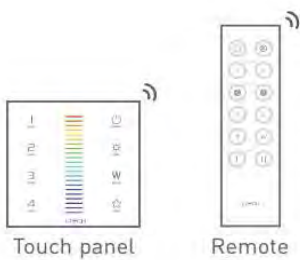
5050 60LEDs/m DC 12V Unit:mm



Cut in the centre of the copper or soldered points

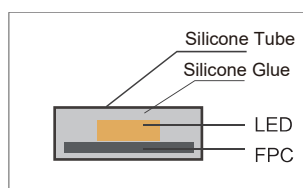


Peel off paper backing to reveal 3m self adhesive



- 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

Silicone tube filled with silicone glue waterproof



Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-60-12V-IP68(Red)
Sample No. : 1M
LED type : Epistar 5050

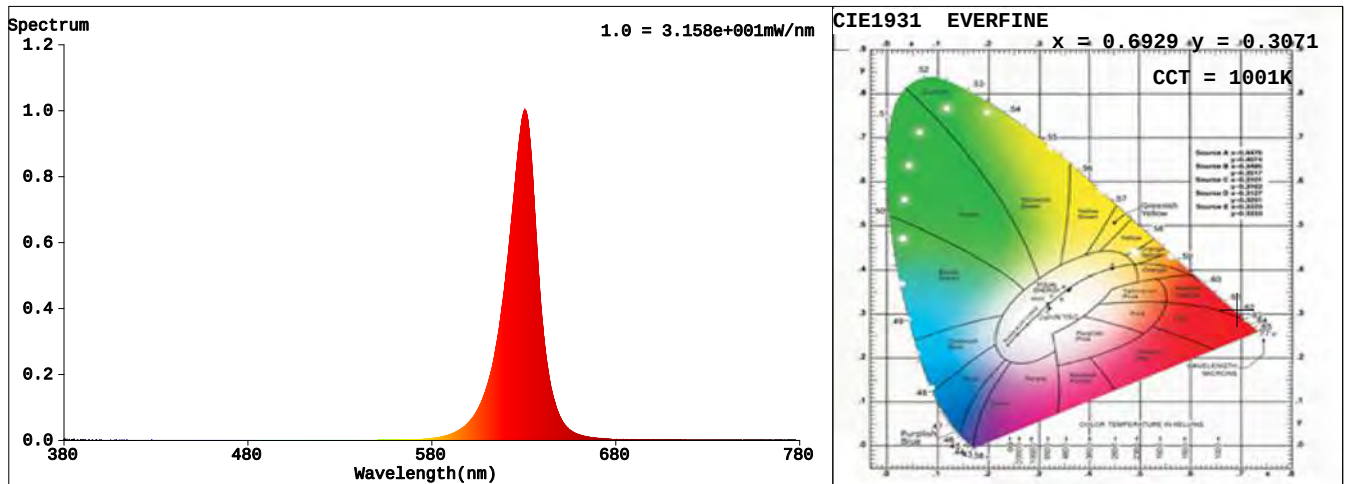
Date :
Sam. Status : Red
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51016 (78%)
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: $L_d = 620.6nm$ Purity=100.0%

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

Render Index: $R_a = 16.3$

$R_1 = 8$ $R_2 = 77$ $R_3 = 34$ $R_4 = -24$ $R_5 = 2$ $R_6 = 87$ $R_7 = 10$

$R_8 = -63$ $R_9 = -212$ $R_{10} = 69$ $R_{11} = -14$ $R_{12} = 77$ $R_{13} = 29$ $R_{14} = 62$ $R_{15} = -30$

Photometric & Radiometric Parameters

Flux = 145.11 lm Eff. : 32.22 lm/W $F_e = 688.83 mW$

Electrical parameters

V = 12.00 V I = 0.3754 A P = 4.504 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-60-12V-IP68(Green)
Sample No. : 1M
LED type : Epistar 5050

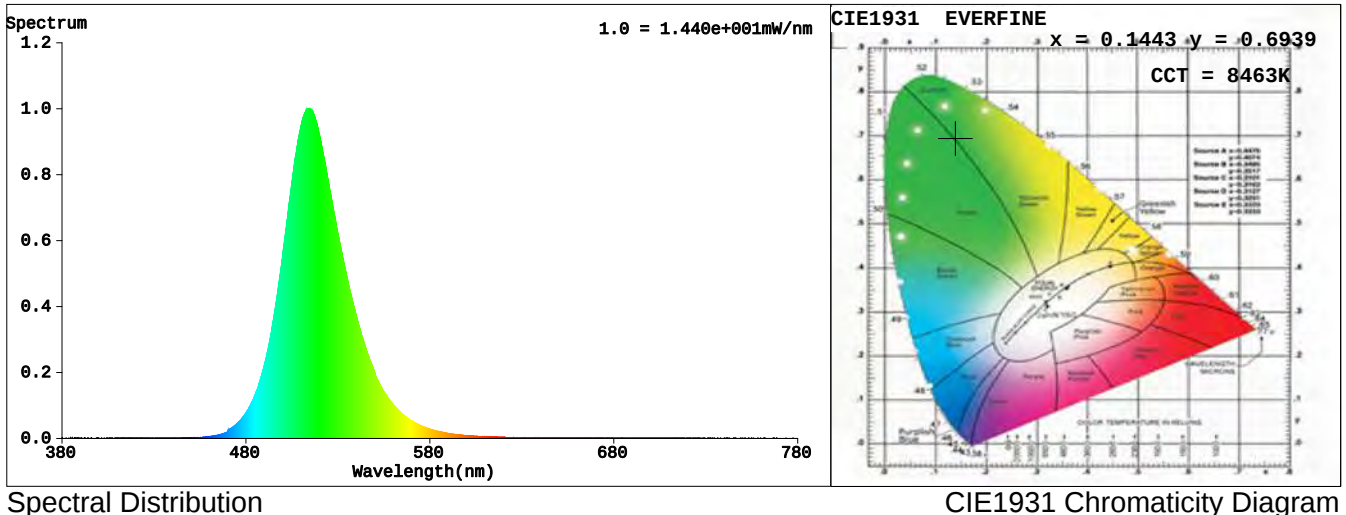
Date :
Sam. Status : Green
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 48369 (74%)
T : 170 ms
Sensitivity : High

Spectrum



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 = 266.57 lm Eff. : 62.34 lm/W Fe = 601.43 mW

Electrical parameters

V = 12.00 V I = 0.3564 A P = 4.276 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-60-12V-IP68(Blue)
Sample No. : 1M
LED type : Epistar 5050

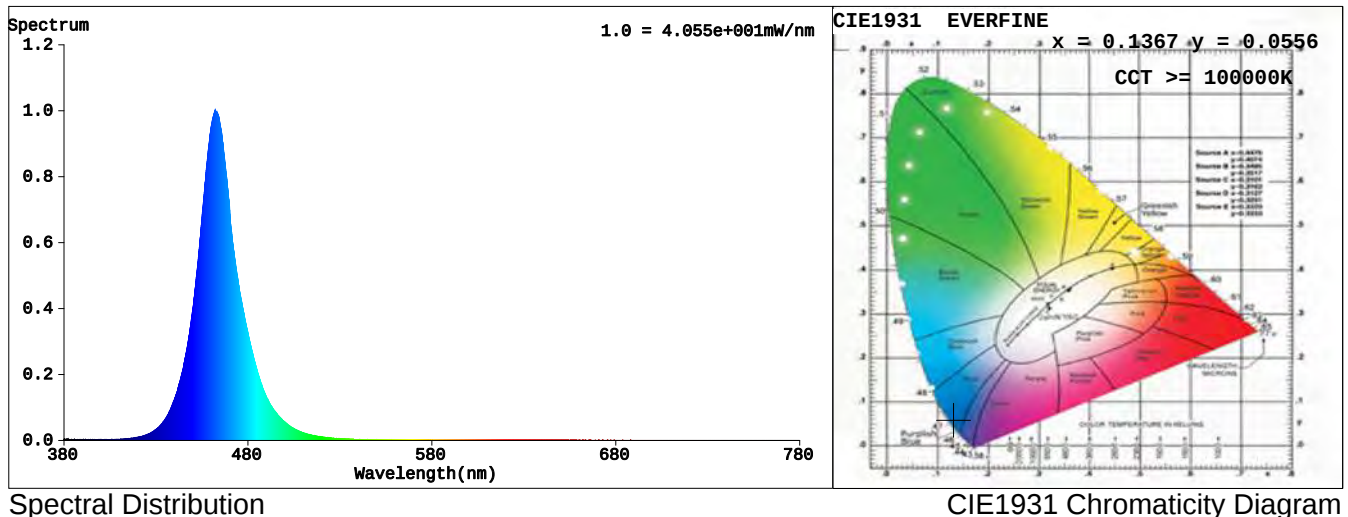
Date :
Sam. Status : Blue
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 49514 (76%)
T : 92 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1367$ $y = 0.0556$ / $u' = 0.1611$ $v' = 0.1475$ ($duv=1.69e-01$)
CCT $\geq$ 1000000K Prcp WL: $L_d=467.3nm$ Purity=97.0%
Peak WL: $L_p=462nm$ FWHM: $=22.2nm$ Ratio:R=0.3% G=15.2% B=84.4%

Render Index: $R_a = -50.3$

$R_1 = -18$ $R_2 = -43$ $R_3 = -131$ $R_4 = -82$ $R_5 = 0$ $R_6 = -53$ $R_7 = -42$
 $R_8 = -34$ $R_9 = -285$ $R_{10} = -223$ $R_{11} = -114$ $R_{12} = -104$ $R_{13} = -35$ $R_{14} = -28$ $R_{15} = -0$

Photometric & Radiometric Parameters

Flux = 75.28 lm Eff. : 16.50 lm/W Fe = 1.1275 W

Electrical parameters

V = 12.00 V I = 0.3804 A P = 4.564 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-60-12V-IP68(RGB)
Sample No. : 1M
LED type : Epistar 5050

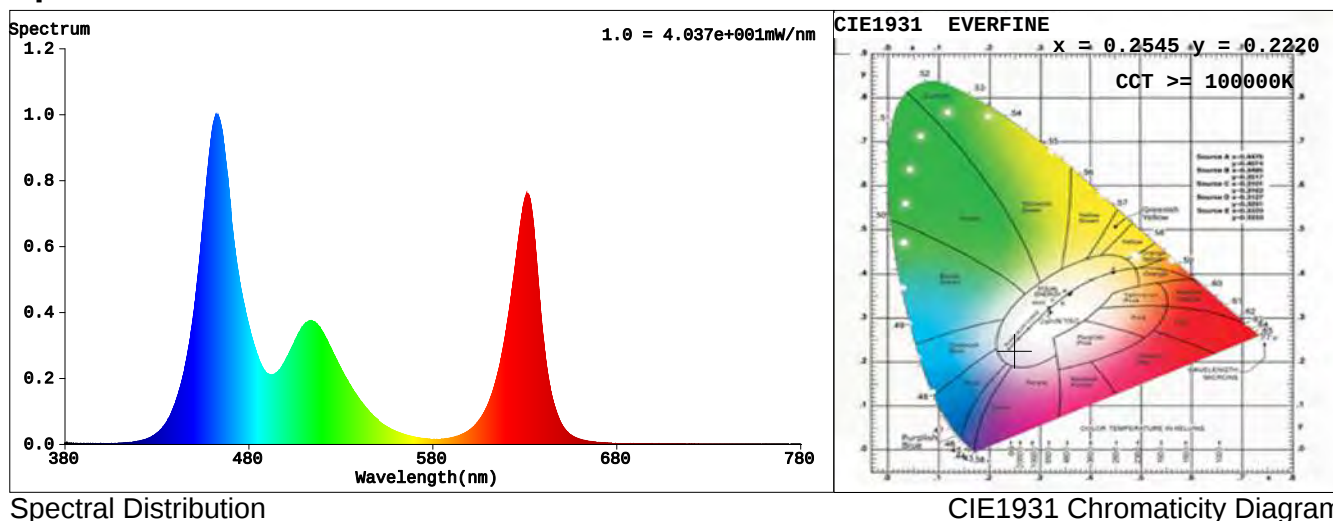
Date :
Sam. Status : Red,Green,Blue
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50580 (77%)
T : 82 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2545$ $y = 0.2220$ / $u' = 0.1975$ $v' = 0.3876$ ($duv = -1.85e-02$)
CCT $\geq 1000000 \text{ K}$ Prcp WL: $L_d = 467.3 \text{ nm}$ Purity = 38.9%
Peak WL: $L_p = 462 \text{ nm}$ FWHM: $= 22.7 \text{ nm}$ Ratio: R=27.6% G=56.9% B=15.5%

Render Index: $R_a = 16.5$

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 = 486.96 lm Eff. : 36.503 lm/W $F_e = 2.4126 \text{ W}$

Electrical parameters

V = 12.00 V I = 1.1122 A P = 13.34 W PF = 1.000 F = 0.00 Hz