



SL-RGB-30-12V LED Strip

Product Details

Code	SL-RGB-30-12V
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	2mm
Cut Points	100mm

Electrical Data

Voltage	12V
Power Consumption	7.2W/m
Dimmable	Yes (PWM)

Light Data

Colour Temperature

RGB

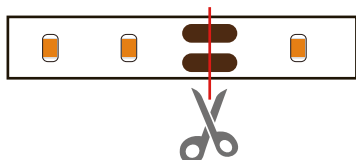
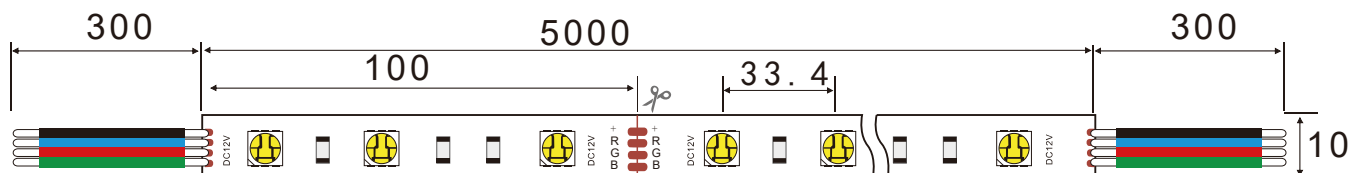
Lumens per Metre	R:56 G:126 B:31.78 RGB:212
LEDs per Metre	30
Beam Angle	120°
Colour Rendering Index(CRI)	/
LED Type	5050
LED Manufacturer	Epistar

Environment

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

SL-RGB-30-12V LED Strip

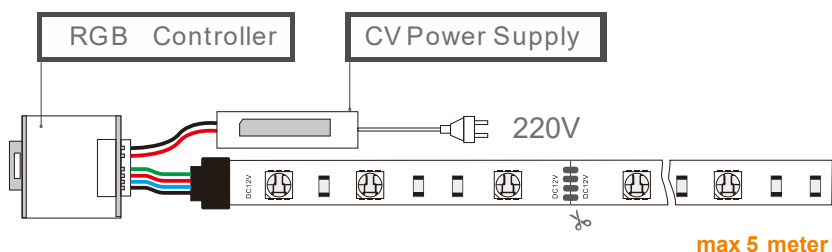
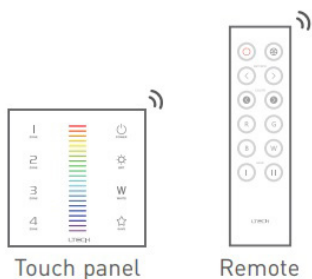
5050 30LEDs/m DC 12V Unit:mm



Cut in the centre of the copper or soldered points

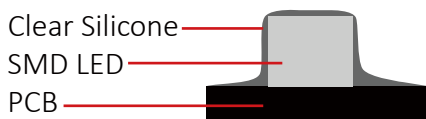


Peel off paper backing to reveal 3m self adhesive



- 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 : 1m LED strip
Specification : SL-RGB-30-12V (Red chip)
Sample No. : 5
LED type : Epistar RGB

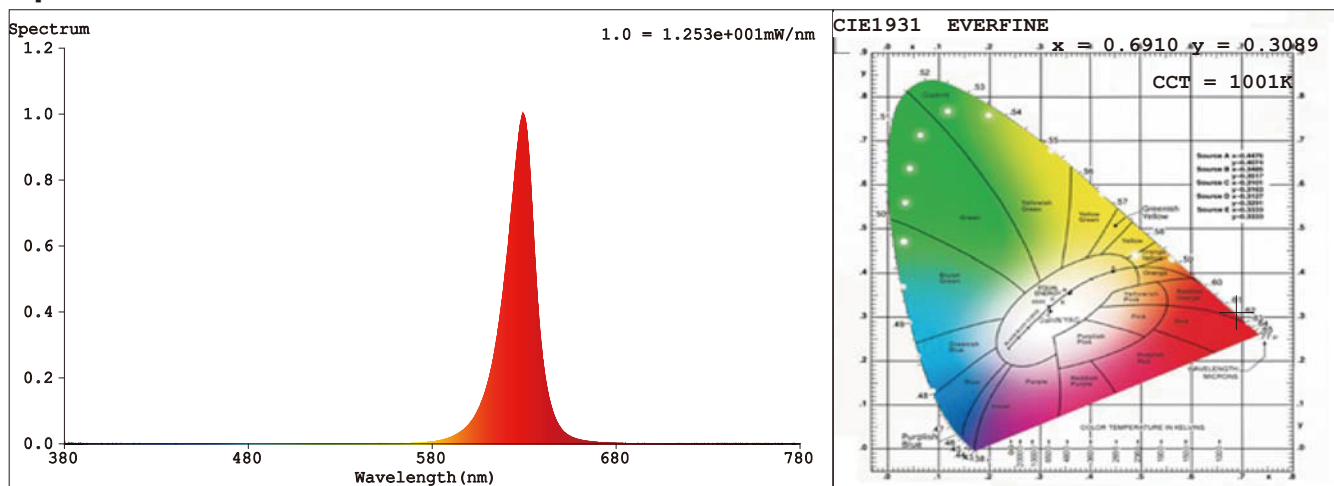
Date : 2019-03-21 14:26:39
Sam. Status : Red
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50079 (76%)
T : 188 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6910$ $y = 0.3089$ / $u' = 0.5191$ $v' = 0.5221$ ($duv = -7.15e-02$)

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

Peak WL: $L_p = 630\text{nm}$ FWHM: $\approx 17.2\text{nm}$ Ratio: R=94.6% G=5.4% B=0.0%

Render Index: $R_a = 15.8$

R1 =8 R2 =77 R3 =32 R4 =-25 R5 =2 R6 =89 R7 =8
R8 =-65 R9 =-214 R10=70 R11=-15 R12=79 R13=30 R14=61 R15=-31

Photometric & Radiometric Parameters

Flux = 56.509 lm Eff. : 25.07 lm/W Fe = 262.98 mW

Electrical parameters

V = 12.00 V I = 0.1879 A P = 2.254 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-30-12V (Green chip)
Sample No. : 6
LED type : Epistar RGB

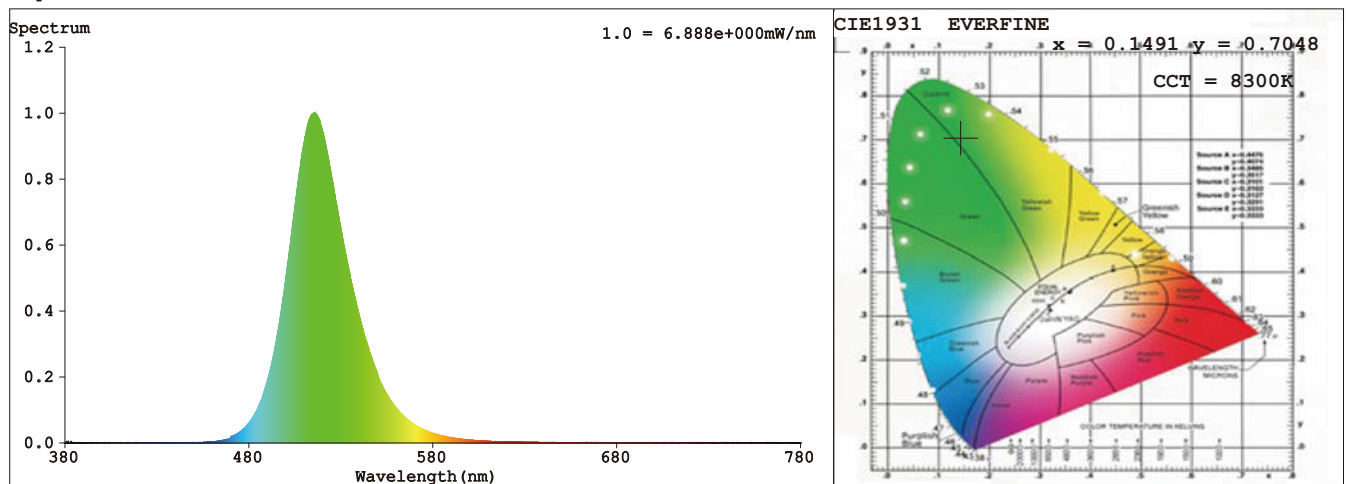
Date : 2019-03-21 14:27:28
Sam. Status : Green
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 48540 (74%)
T : 334 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1491$ $y = 0.7048$ / $u' = 0.0534$ $v' = 0.5684$ ($duv=1.61e-01$)

CCT= 8300K Prcp WL: $L_d=521.4nm$ Purity=74.2%

Peak WL: $L_p=516nm$ FWHM: $\approx 35.3nm$ Ratio: R=0.3% G=95.9% B=3.9%

Render Index: $R_a = -22.7$

$R_1 = -34$ $R_2 = -6$ $R_3 = -19$ $R_4 = -63$ $R_5 = -8$ $R_6 = -14$ $R_7 = -7$

$R_8 = -31$ $R_9 = -353$ $R_{10} = -100$ $R_{11} = -90$ $R_{12} = -27$ $R_{13} = -40$ $R_{14} = 41$ $R_{15} = -31$

Photometric & Radiometric Parameters

Flux = 126.26 lm Eff. : 58.49 lm/W $F_e = 282.28$ mW

Electrical parameters

V = 12.00 V I = 0.1799 A P = 2.158 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-30-12V (Blue chip)
Sample No. : 7
LED type : Epistar RGB

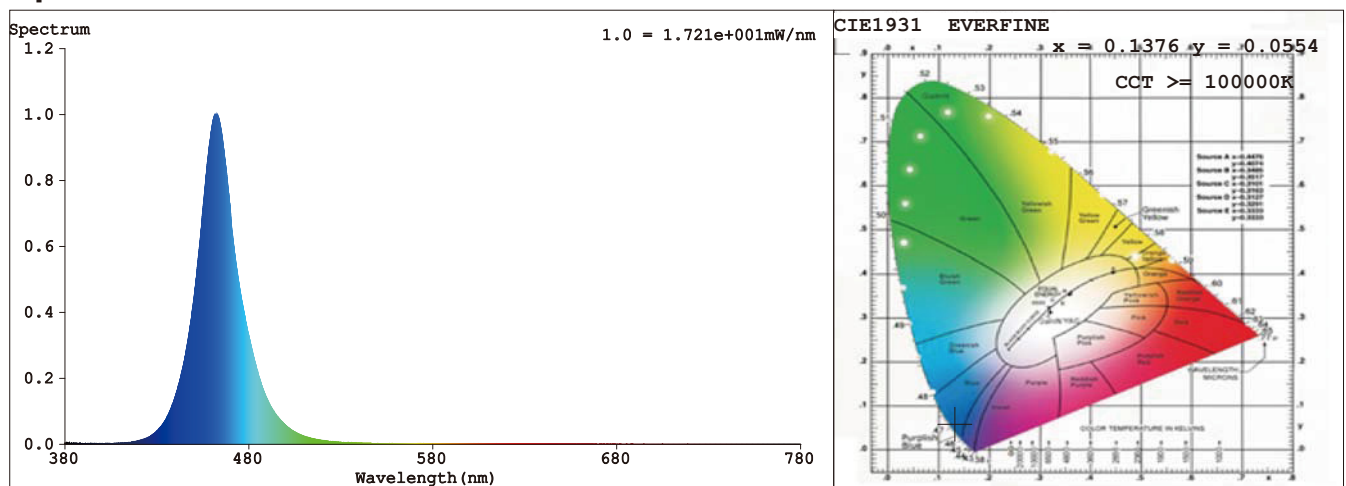
Date : 2019-03-21 14:28:00
Sam. Status : Blue
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 49300 (75%)
T : 202 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1376$ $y = 0.0554$ / $u' = 0.1624$ $v' = 0.1471$ ($duv=1.69e-01$)

CCT>=100000K Prcp WL: $L_d=467.1nm$ Purity=96.8%

Peak WL: $L_p=463nm$ FWHM: $=23.0nm$ Ratio:R=0.4% G=16.5% B=83.1%

Render Index: $R_a = -48.6$

$R_1 = -15$ $R_2 = -39$ $R_3 = -129$ $R_4 = -81$ $R_5 = 2$ $R_6 = -50$ $R_7 = -41$

$R_8 = -34$ $R_9 = -281$ $R_{10} = -214$ $R_{11} = -114$ $R_{12} = -101$ $R_{13} = -32$ $R_{14} = -27$ $R_{15} = 2$

Photometric & Radiometric Parameters

Flux = 31.782 lm Eff. : 14.04 lm/W $F_e = 495.96 mW$

Electrical parameters

V = 12.00 V I = 0.1887 A P = 2.264 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL-RGB-30-12V (RGB)
Sample No. : 8
LED type : Epistar RGB

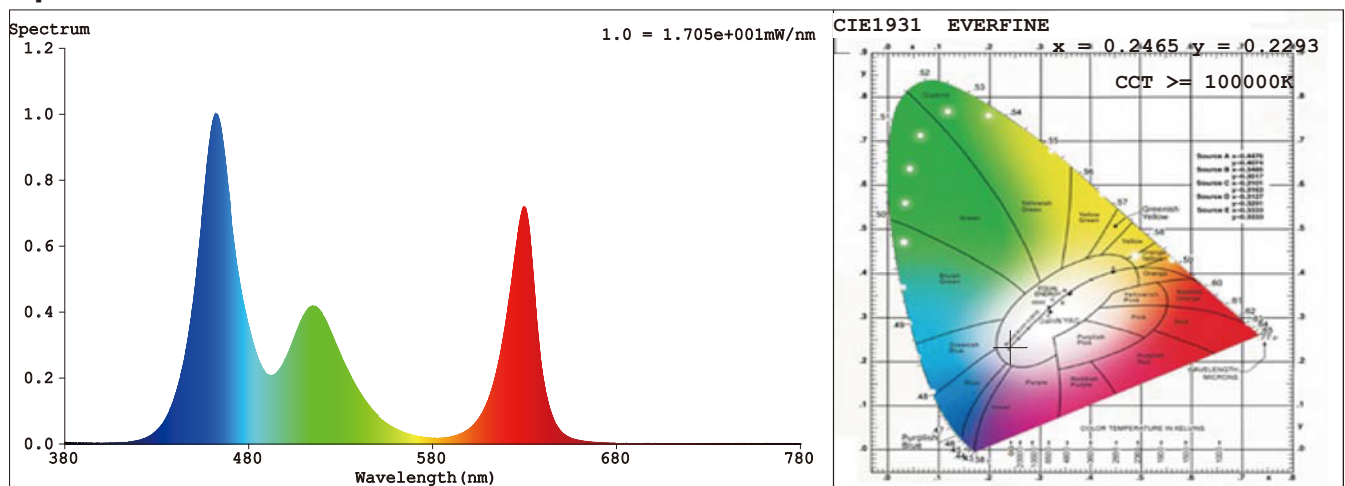
Date : 2019-03-21 14:28:26
Sam. Status : Red,Green,Blue
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52485 (80%)
T : 202 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2465$ $y = 0.2293$ / $u' = 0.1875$ $v' = 0.3924$ ($duv = -8.13e-03$)

CCT $\geq 100000K$ Prcp WL: $L_d = 472.9nm$ Purity=40.0%

Peak WL: $L_p = 462nm$ FWHM: $\approx 23.4nm$ Ratio: R=24.7% G=60.6% B=14.7%

Render Index: $R_a = 32.9$

R1 =9 R2 =41 R3 =65 R4 =32 R5 =34 R6 =41 R7 =55

R8 =-13 R9 =-265 R10 =-40 R11 =17 R12 =47 R13 =13 R14 =75 R15 =-10

Photometric & Radiometric Parameters

Flux = 212.25 lm Eff. : 31.82 lm/W Fe = 1.0309 W

Electrical parameters

V = 12.00 V I = 0.5560 A P = 6.671 W PF = 1.000 F=0.00 Hz