



SL5-12V LED Strip

Product Details

Code	SL5-12V
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	8mm
Thickness Including LED	2mm
Cut Points	50mm

Electrical Data

Voltage	12V
Power Consumption	4.8W/m
Dimmable	Yes (PWM)

Light Data

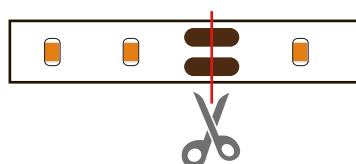
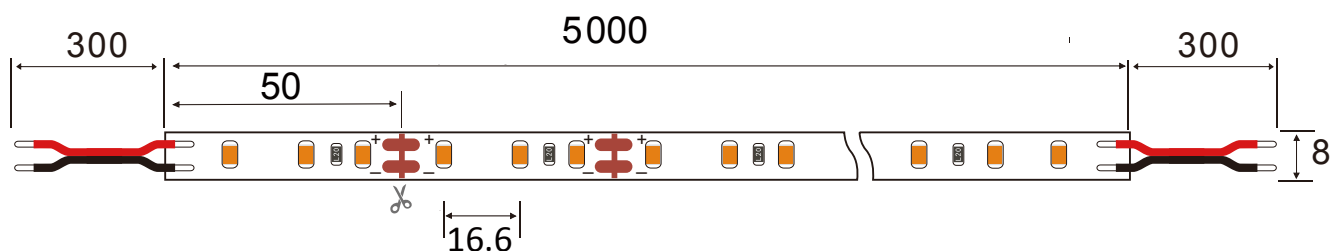
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	487	502	505	461
LEDs per Metre	60			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	3014			
LED Manufacturer	Epistar			

Environment

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

SL5-12V LED Strip

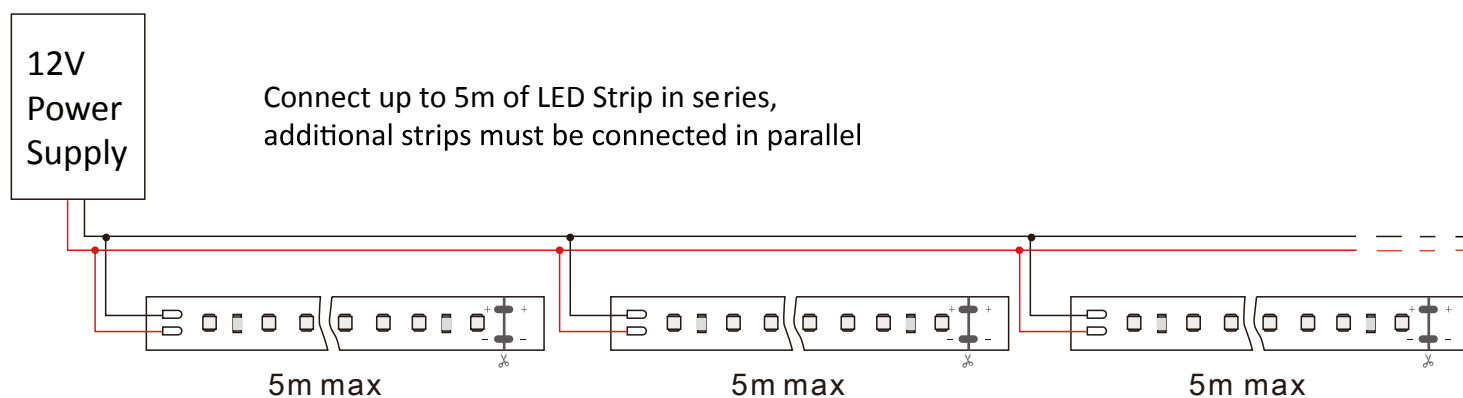
3014 60LEDs/m DC 12V Unit:mm



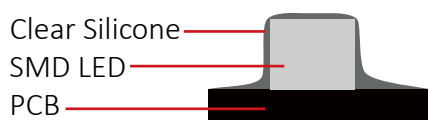
Cut in the centre of the copper or soldered points



Peel off paper backing to reveal 3m self adhesive



IP65 Silicone Spray Coating



Spectrum Test Report

Sample : 1m LED strip
Specification : SL5-12V-3000K
Sample No. :
LED type : Epistar 3014

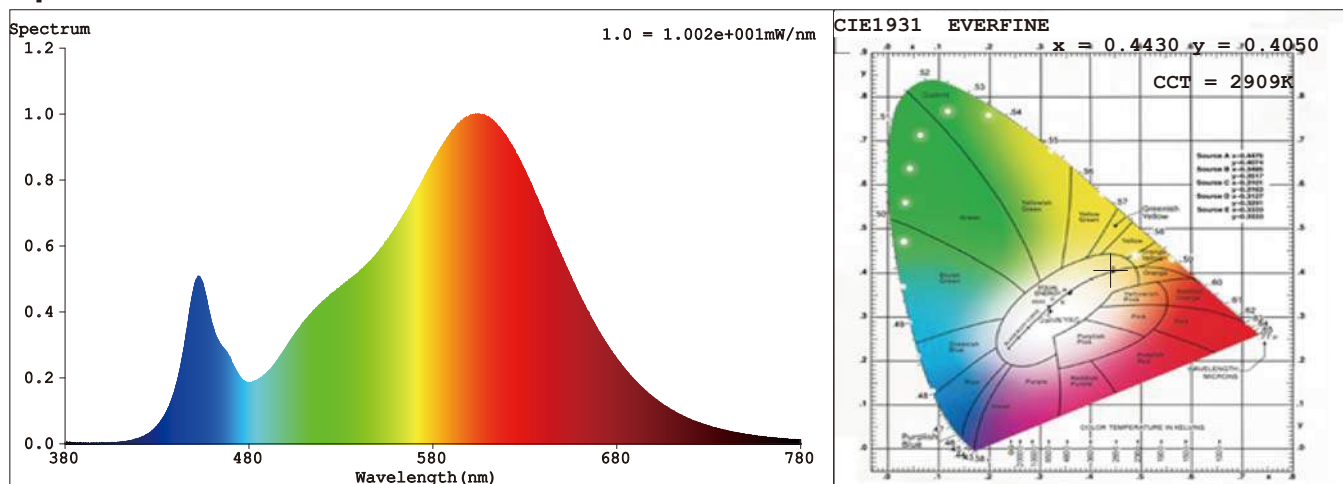
Date : 2019-05-11 14:52:53
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 49855 (76%)
T : 212 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4430$ $y = 0.4050$ / $u' = 0.2541$ $v' = 0.5227$ ($duv = -4.08e-04$)

CCT= 2909K Prpc WL: $L_d = 583.4nm$ Purity=54.5%

Peak WL: $L_p = 603nm$ FWHM: $= 120.3nm$ Ratio: R=23.5% G=74.0% B=2.5%

Render Index: $R_a = 81.9$

R1 =80 R2 =91 R3 =96 R4 =79 R5 =81 R6 =90 R7 =81
R8 =57 R9 =4 R10=80 R11=78 R12=71 R13=83 R14=98 R15=73

Photometric & Radiometric Parameters

Flux = 486.99 lm Eff. : 93.724 lm/W $F_e = 1.4352 W$

Electrical parameters

V = 12.00 V I = 0.433 A P = 5.196 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL5-12V-4000K
Sample No. :
LED type : Epistar 3014

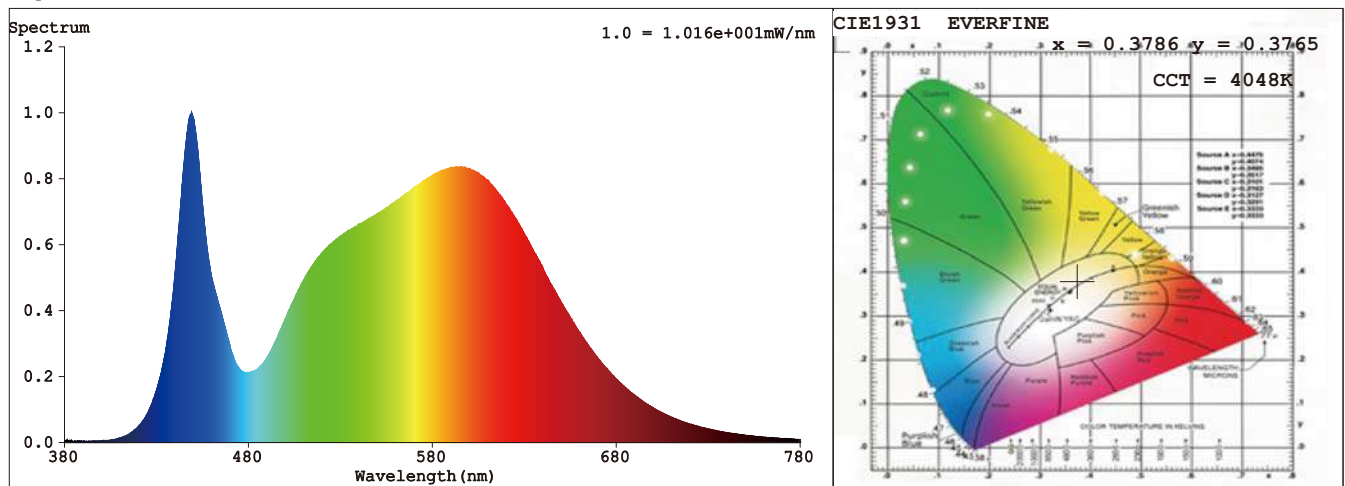
Date : 2019-05-11 14:54:08
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50304 (77%)
T : 240 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3786$ $y = 0.3765$ / $u' = 0.2240$ $v' = 0.5012$ ($duv=4.07e-04$)

CCT= 4048K Prcp WL: $\lambda_d=578.7\text{nm}$ Purity=26.6%

Peak WL: $\lambda_p=449\text{nm}$ FWHM: $\approx 20.3\text{nm}$ Ratio: R=18.1% G=78.6% B=3.3%

Render Index: $R_a = 81.9$

R1 =80 R2 =87 R3 =92 R4 =82 R5 =80 R6 =82 R7 =86
R8 =65 R9 =7 R10=69 R11=81 R12=59 R13=82 R14=95 R15=75

Photometric & Radiometric Parameters

Flux = 502.60 lm Eff. : 96.59 lm/W $\Phi_e = 1.4982\text{ W}$

Electrical parameters

V = 12.00 V I = 0.4336 A P = 5.203 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL5-12V-5000K
Sample No. :
LED type : Epistar 3014

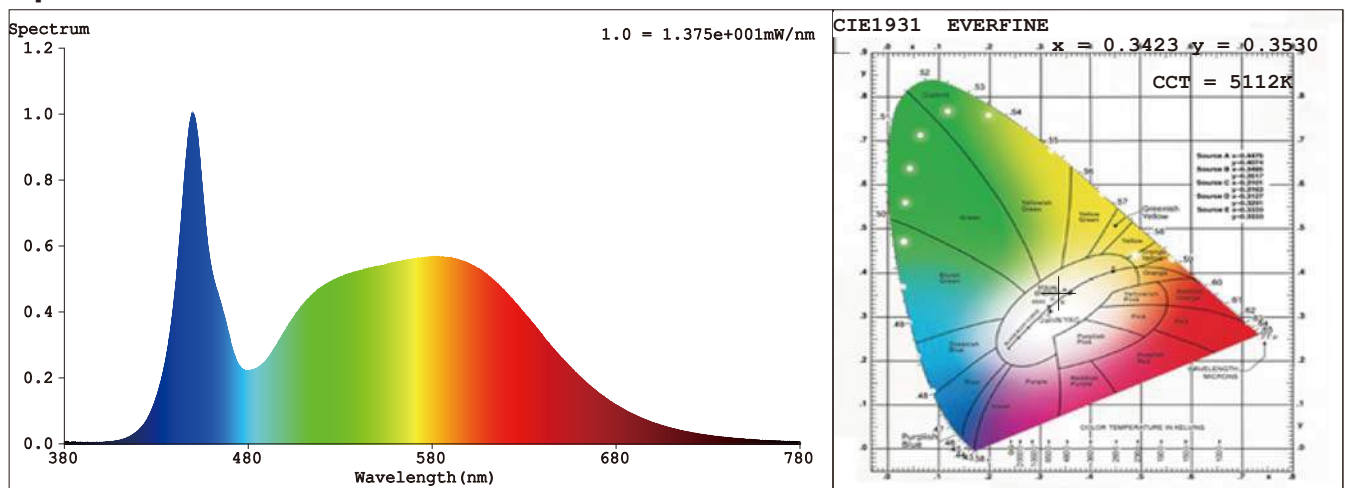
Date : 2019-05-11 14:56:10
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50101 (76%)
T : 251 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3423$ $y = 0.3530$ / $u' = 0.2090$ $v' = 0.4849$ ($duv=1.81e-03$)
CCT= 5112K Prcp WL: Ld=569.1nm Purity=8.6%
Peak WL: Lp=450nm FWHM: =20.3nm Ratio:R=15.5% G=80.0% B=4.5%

Render Index: Ra = 82.9

R1 =81 R2 =87 R3 =91 R4 =83 R5 =82 R6 =83 R7 =87
R8 =68 R9 =9 R10=70 R11=83 R12=62 R13=83 R14=95 R15=76

Photometric & Radiometric Parameters

Flux = 505.85 lm Eff. : 97.278 lm/W Fe = 1.5508 W

Electrical parameters

V = 12.00 V I = 0.4336 A P = 5.203 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL5-12V-6000K
Sample No. :
LED type : Epistar 3014

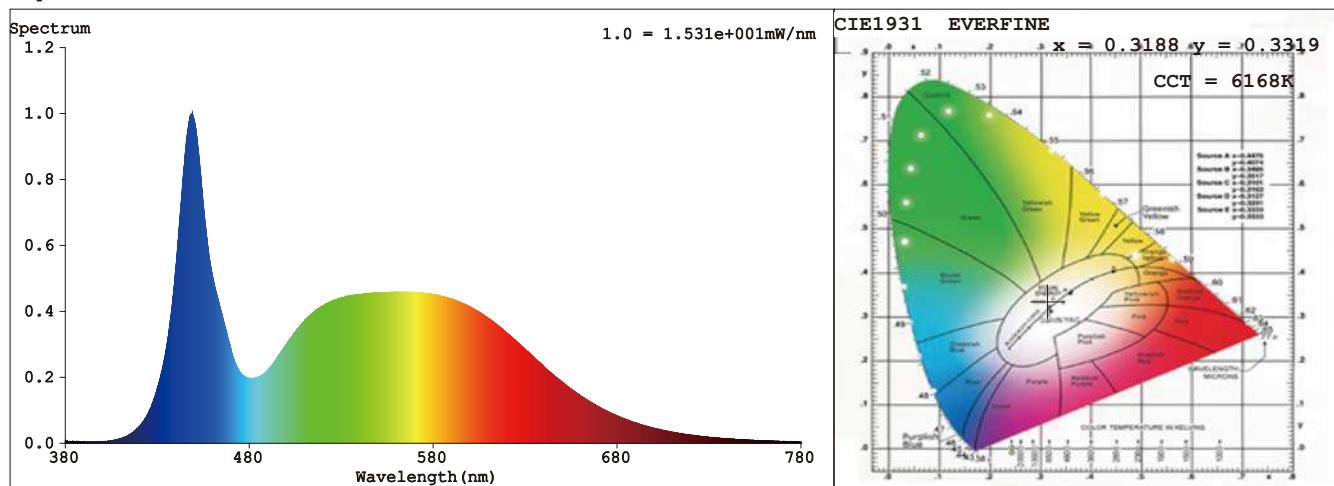
Date : 2019-05-11 14:59:06
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 48337 (74%)
T : 256 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3188$ $y = 0.3319$ / $u' = 0.2009$ $v' = 0.4708$ ($duv=1.67e-03$)

CCT= 6168K Prcp WL: $L_d=490.4nm$ Purity=5.0%

Peak WL: $L_p=449nm$ FWHM: $\approx 20.7nm$ Ratio: R=13.9% G=81.1% B=5.0%

Render Index: $R_a = 82.3$

R1 =81 R2 =86 R3 =88 R4 =84 R5 =82 R6 =80 R7 =87
R8 =71 R9 =9 R10=65 R11=83 R12=58 R13=82 R14=93 R15=77

Photometric & Radiometric Parameters

Flux = 460.98 lm Eff. : 90.352 lm/W $F_e = 1.4633 W$

Electrical parameters

V = 12.00 V I = 0.4250 A P = 5.102 W PF = 1.000 F=0.00 Hz