

SL10-24V LED Strip

Product Details

Code	SL10-24V
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	2mm
Cut Points	50mm

Electrical Data

Voltage	24V
Power Consumption	9.6W/m
Dimmable	Yes (PWM)

Light Data

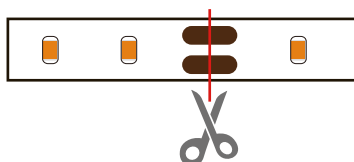
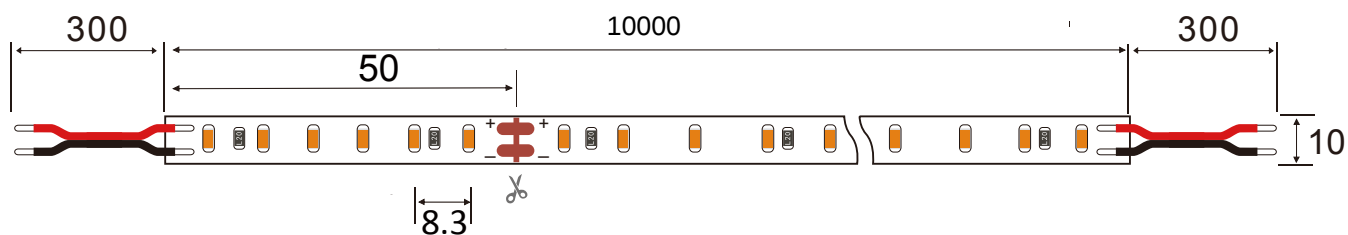
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	936	948	1010	916
LEDs per Metre	120			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	3014			
LED Manufacturer	Epistar			

Environment

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

SL10-24V LED Strip

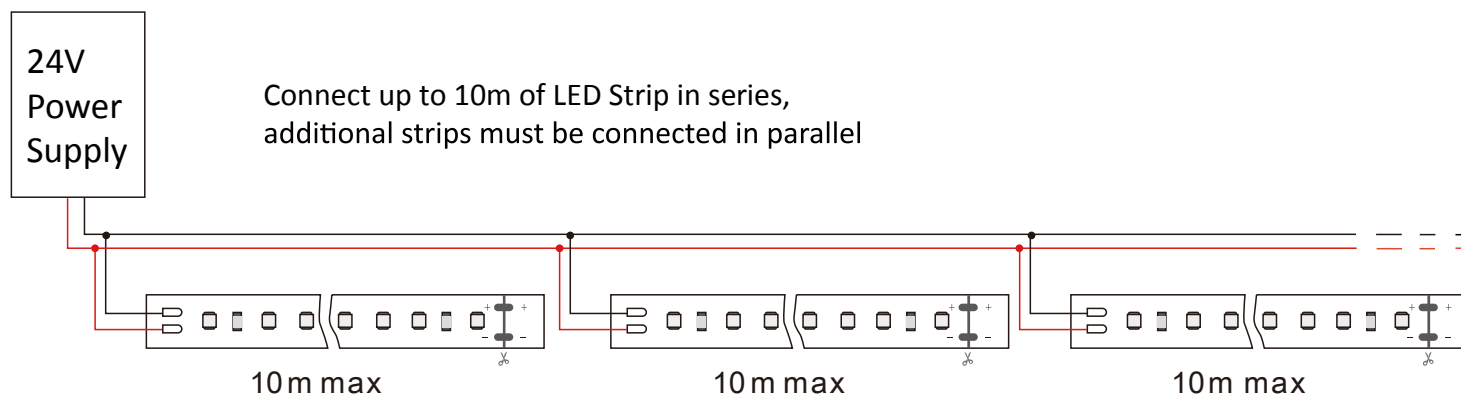
3014 120LEDs/m DC 24V Unit:mm



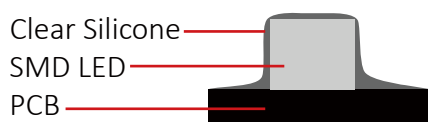
Cut in the
centre of the
copper or
soldered points



Peel off paper backing to
reveal 3m self adhesive



IP65 Silicone Spray Coating



Spectrum Test Report

Sample : 1m LED strip
Specification : SL10-24V-3000K
Sample No. : 50
LED type : Epistar 3014

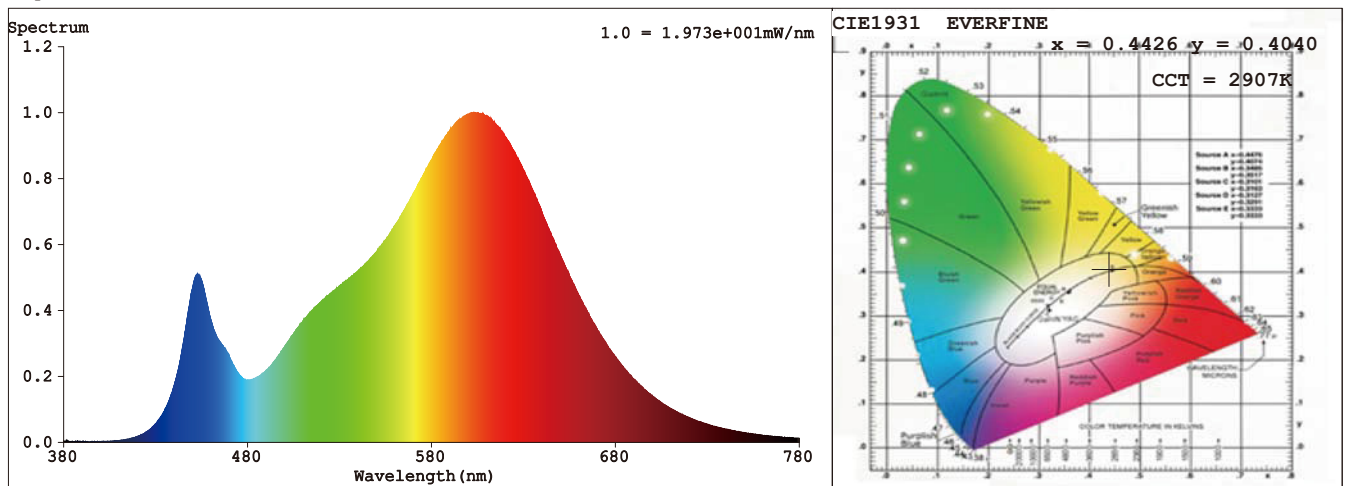
Date : 2019-03-21 15:09:26
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 47765 (73%)
T : 103 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4426$ $y = 0.4040$ / $u' = 0.2542$ $v' = 0.5222$ ($duv = -7.46e-04$)

CCT= 2907K Prcp WL: $L_d = 583.5nm$ Purity=54.1%

Peak WL: $L_p = 603nm$ FWHM: $\approx 119.4nm$ Ratio: R=23.5% G=74.0% B=2.5%

Render Index: $R_a = 81.7$

R1 =80 R2 =92 R3 =95 R4 =79 R5 =81 R6 =90 R7 =81
R8 =56 R9 =3 R10=81 R11=78 R12=72 R13=83 R14=98 R15=73

Photometric & Radiometric Parameters

Flux = 936.31 lm Eff. : 89.30 lm/W $F_e = 2.8286 W$

Electrical parameters

V = 24.00 V I = 0.4369 A P = 10.48 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL10-24V-4000K
Sample No. : 61
LED type : Epistar 3014

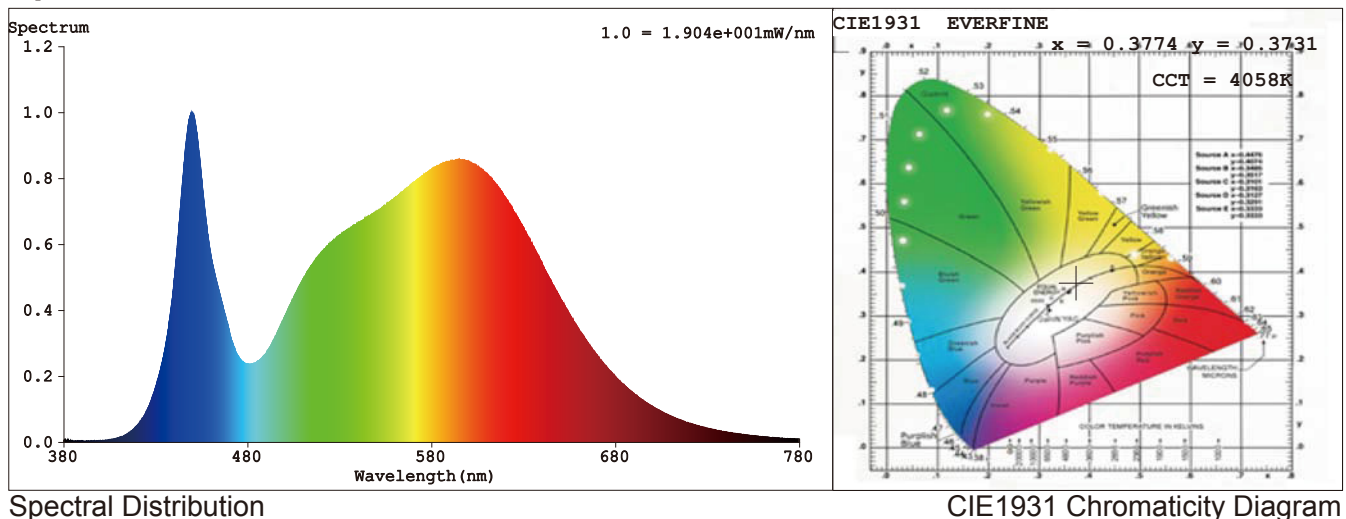
Date : 2019-03-21 15:24:23
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50330 (77%)
T : 125 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3774$ $y = 0.3731$ / $u' = 0.2245$ $v' = 0.4995$ ($duv = -8.25e-04$)

CCT= 4058K Prcp WL: $L_d = 579.3\text{nm}$ Purity=25.2%

Peak WL: $L_p = 450\text{nm}$ FWHM: $= 22.5\text{nm}$ Ratio: R=18.2% G=78.3% B=3.5%

Render Index: $R_a = 82.6$

R1 =81 R2 =88 R3 =93 R4 =82 R5 =81 R6 =83 R7 =86
R8 =65 R9 =9 R10=71 R11=81 R12=61 R13=83 R14=96 R15=76

Photometric & Radiometric Parameters

Flux = 947.90 lm Eff. : 88.86 lm/W $F_e = 2.8869\text{ W}$

Electrical parameters

V = 24.00 V I = 0.4445 A P = 10.67 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL10-24V-5000K
Sample No. : 45
LED type : Epistar 3014

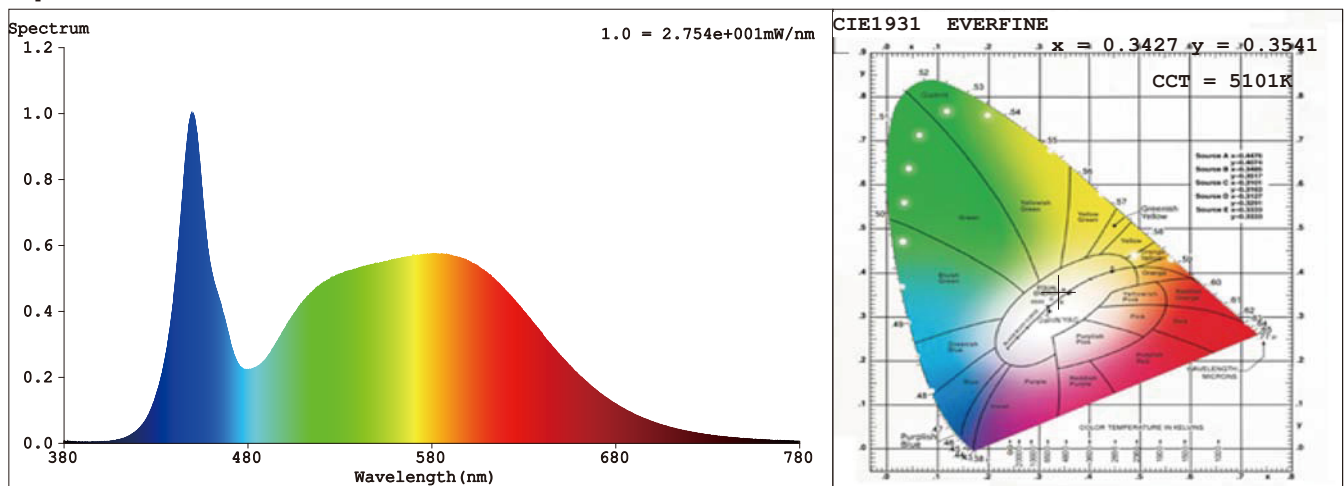
Date : 2019-03-21 15:04:11
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51485 (79%)
T : 127 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3427$ $y = 0.3541$ / $u' = 0.2088$ $v' = 0.4855$ ($duv=2.23e-03$)

CCT= 5101K Prcp WL: $L_d=568.9nm$ Purity=9.1%

Peak WL: $L_p=450nm$ FWHM: $=20.4nm$ Ratio:R=15.5% G=80.1% B=4.4%

Render Index: $R_a = 82.7$

R1 =81 R2 =87 R3 =91 R4 =83 R5 =82 R6 =82 R7 =87
R8 =68 R9 =7 R10=69 R11=83 R12=61 R13=82 R14=95 R15=76

Photometric & Radiometric Parameters

Flux = 1010.7 lm Eff. : 97.02 lm/W $F_e = 3.1384 W$

Electrical parameters

V = 24.00 V I = 0.4341 A P = 10.42 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL10-24V-6000K
Sample No. : 44
LED type : Epistar 3014

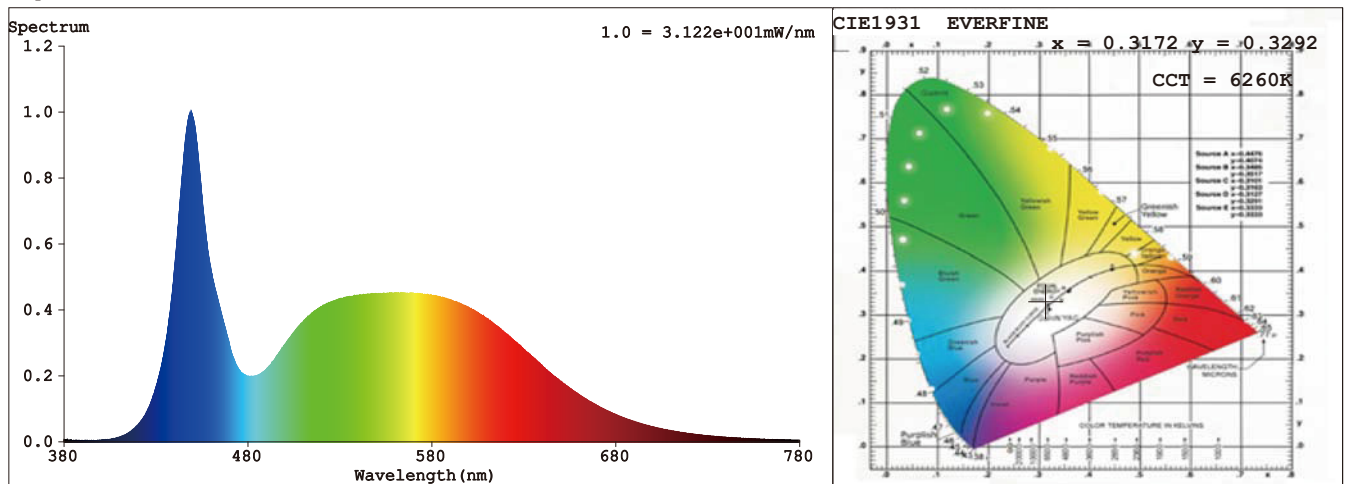
Date : 2019-03-21 15:03:21
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 49092 (75%)
T : 127 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3172$ $y = 0.3292$ / $u' = 0.2009$ $v' = 0.4691$ ($duv=1.03e-03$)

CCT= 6260K Prcp WL: $L_d=488.4nm$ Purity=5.7%

Peak WL: $L_p=449nm$ FWHM: $=21.0nm$ Ratio: R=13.9% G=81.0% B=5.1%

Render Index: $R_a = 82.7$

R1 =82 R2 =86 R3 =88 R4 =84 R5 =83 R6 =80 R7 =88
R8 =71 R9 =11 R10=66 R11=83 R12=59 R13=83 R14=93 R15=78

Photometric & Radiometric Parameters

Flux = 916.45 lm Eff. : 89.12 lm/W $F_e = 2.9602 W$

Electrical parameters

V = 24.00 V I = 0.4285 A P = 10.28 W PF = 1.000 F=0.00 Hz