



SL15-24V-180 LED Strip

Product Details

Code	SL15-24V-180
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	33.33mm

Electrical Data

Voltage	24V
Power Consumption	15W/m
Dimmable	Yes (PWM)

Light Data

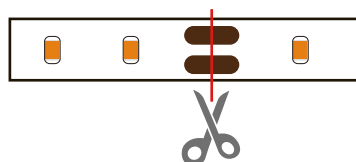
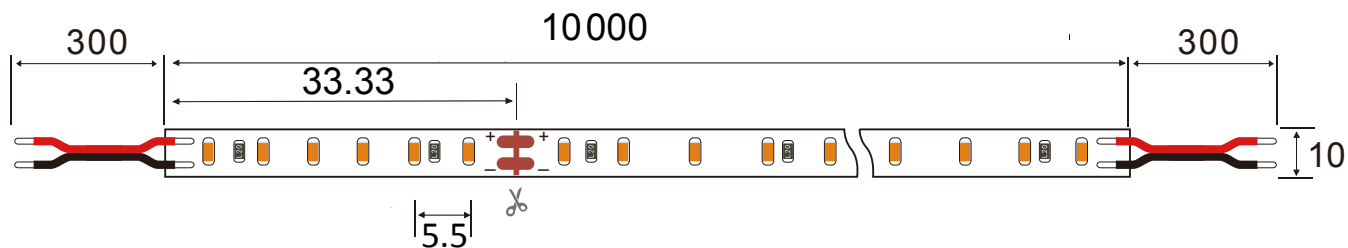
Colour Temperature	3000K	4000K	5000K	6000K
Lumens per Metre	1233	1292	1228	1175
LEDs per Metre	180			
Beam Angle	120°			
Colour Rendering Index(CRI)	>80			
LED Type	3014			
LED Manufacturer	Epistar			

Environment

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

SL15-24V-180 LED Strip

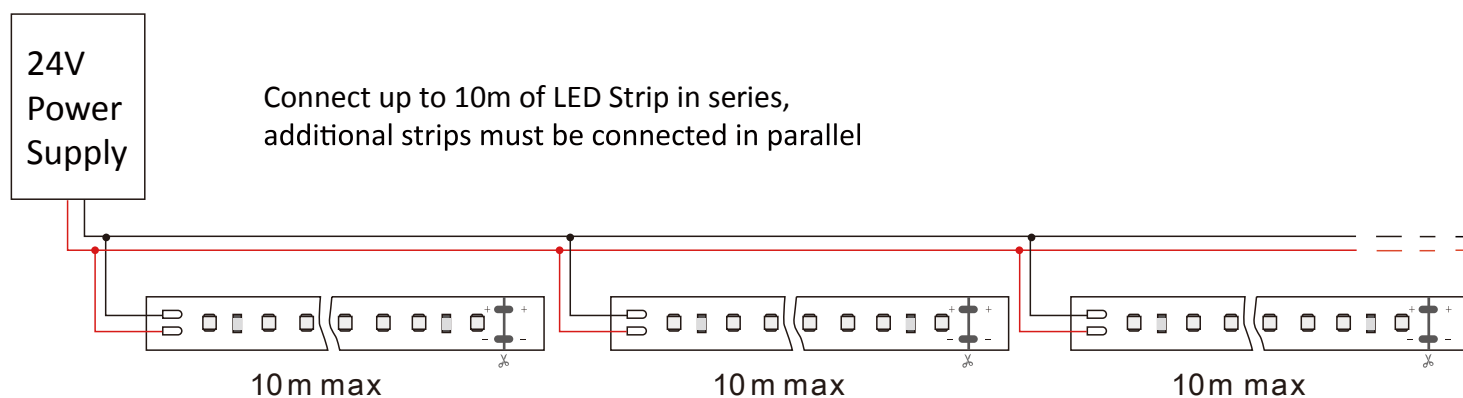
3014 180LEDs/m DC 24V Unit:mm



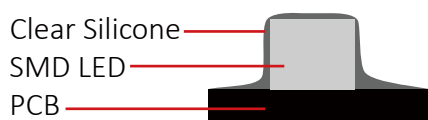
Cut in the
centre of the
copper or
soldered points



Peel off paper backing to
reveal 3m self adhesive



IP65 Silicone Spray Coating



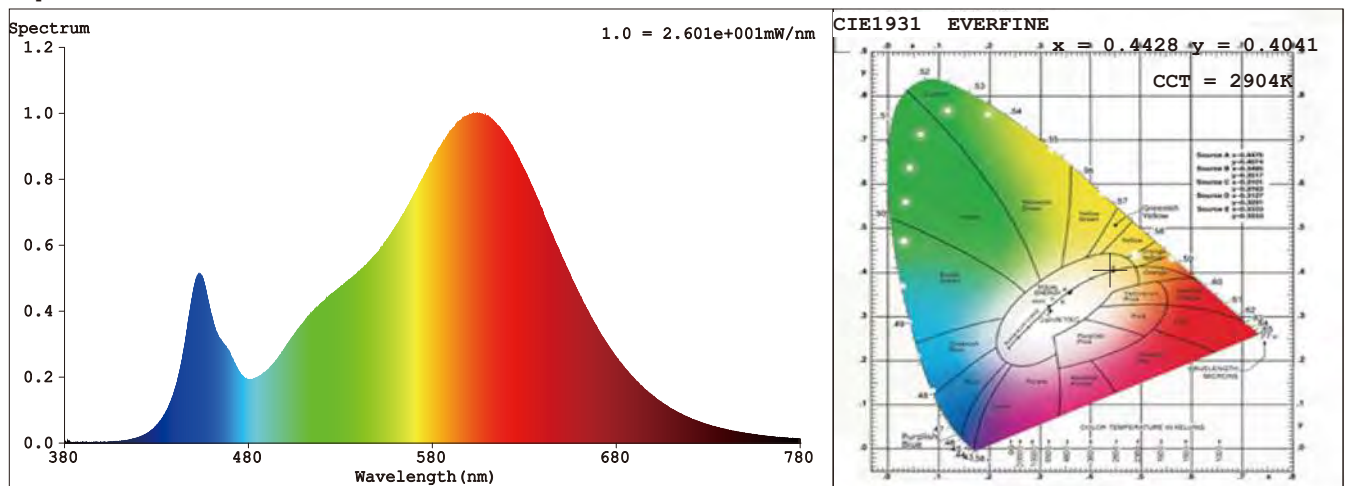
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 15:02:37
Specification	: SL15-180-24V-3000K (3014 type)	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 43	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50059 (76%)
Test Mode	: Accuracy Test	T	: 82 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4428$ $y = 0.4041$ / $u' = 0.2544$ $v' = 0.5223$ ($duv = -7.56e-04$)

CCT= 2904K Prcp WL: $L_d = 583.5nm$ Purity=54.2%

Peak WL: $L_p = 605nm$ FWHM: $= 119.5nm$ Ratio: R=23.6% G=73.9% B=2.6%

Render Index: $R_a = 81.8$

R1 =80 R2 =92 R3 =95 R4 =79 R5 =81 R6 =90 R7 =81

R8 =56 R9 =4 R10=81 R11=78 R12=72 R13=83 R14=98 R15=73

Photometric & Radiometric Parameters

Flux = 1233.2 lm Eff. : 91.13 lm/W $F_e = 3.7289 W$

Electrical parameters

V = 24.00 V I = 0.5639 A P = 13.53 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL15-180-24V-4000K (3014 type)
Sample No. : 48
LED type : Epistar 3014

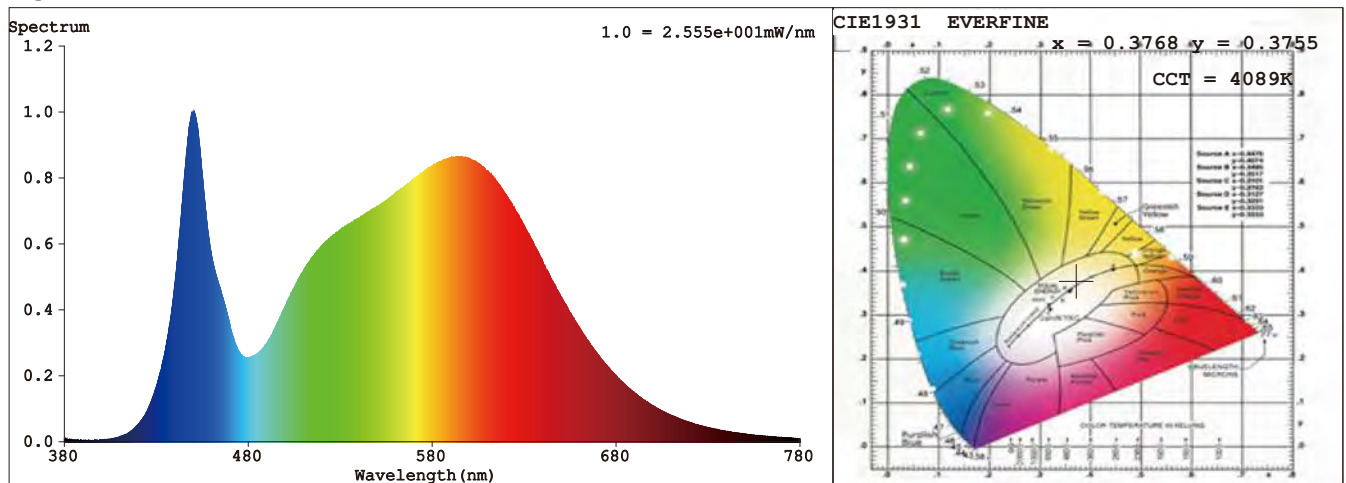
Date : 2019-03-21 15:06:43
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50077 (76%)
T : 92 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3768$ $y = 0.3755$ / $u' = 0.2232$ $v' = 0.5005$ ($duv=4.72e-04$)

CCT= 4089K Prcp WL: $L_d=578.5nm$ Purity=25.8%

Peak WL: $L_p=451nm$ FWHM: $=22.3nm$ Ratio: R=18.0% G=78.4% B=3.6%

Render Index: $R_a = 83.0$

R1 =81 R2 =89 R3 =94 R4 =82 R5 =81 R6 =84 R7 =87
R8 =66 R9 =10 R10=72 R11=81 R12=62 R13=83 R14=97 R15=76

Photometric & Radiometric Parameters

Flux = 1292.9 lm Eff. : 96.52 lm/W Fe = 3.9276 W

Electrical parameters

V = 24.00 V I = 0.5582 A P = 13.40 W PF = 1.000 F=0.00 Hz

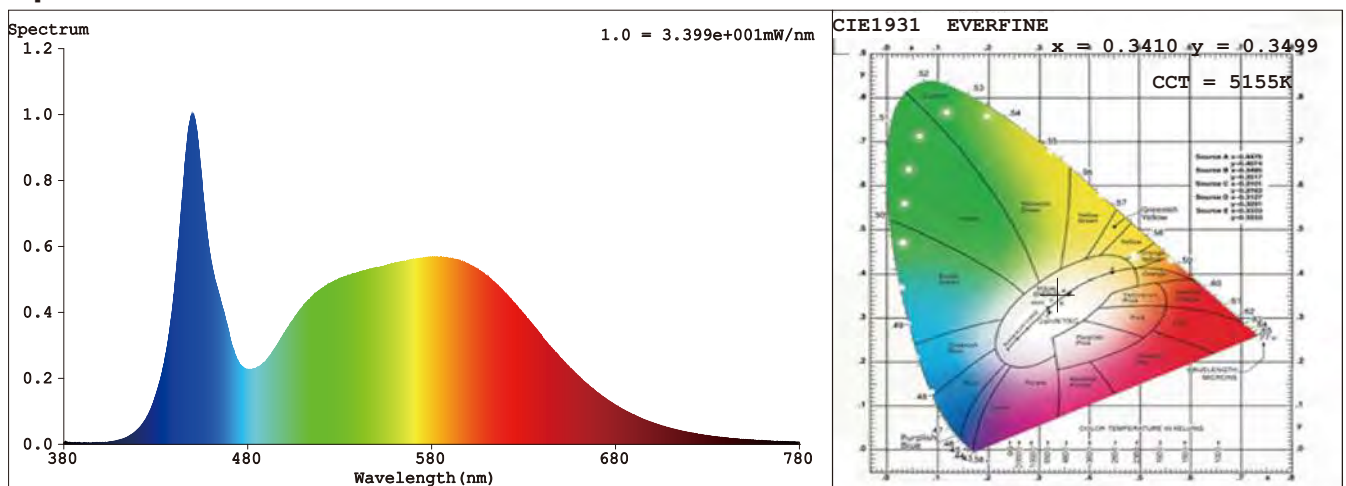
Spectrum Test Report

Sample	: 1m LED strip	Date	: 2019-03-21 15:01:49
Specification	: SL15-180-24V-5000K (3014 type)	Instrument	: HaasSuite(EVERFINE)
Sample No.	: 42	Test by	: DAMIN
LED type	: Epistar 3014	Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 50405 (77%)
Test Mode	: Accuracy Test	T	: 102 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3410$ $y = 0.3499$ / $u' = 0.2093$ $v' = 0.4832$ ($duv=8.25e-04$)
 CCT= 5155K Prcp WL: $L_d=569.2nm$ Purity=7.3%
 Peak WL: $L_p=450nm$ FWHM: $=21.4nm$ Ratio:R=15.6% G=79.9% B=4.5%

Render Index: $R_a = 83.2$

R1 =82	R2 =88	R3 =91	R4 =84	R5 =83	R6 =83	R7 =87
R8 =69	R9 =10	R10=70	R11=83	R12=62	R13=83	R14=95 R15=77

Photometric & Radiometric Parameters

Flux = 1228.2 lm Eff. : 90.79 lm/W Fe = 3.8485 W

Electrical parameters

V = 24.00 V I = 0.5637 A P = 13.53 W PF = 1.000 F=0.00 Hz

Spectrum Test Report

Sample : 1m LED strip
Specification : SL15-180-24V-6000K(3014 type)
Sample No. : 40
LED type : Epistar 3014

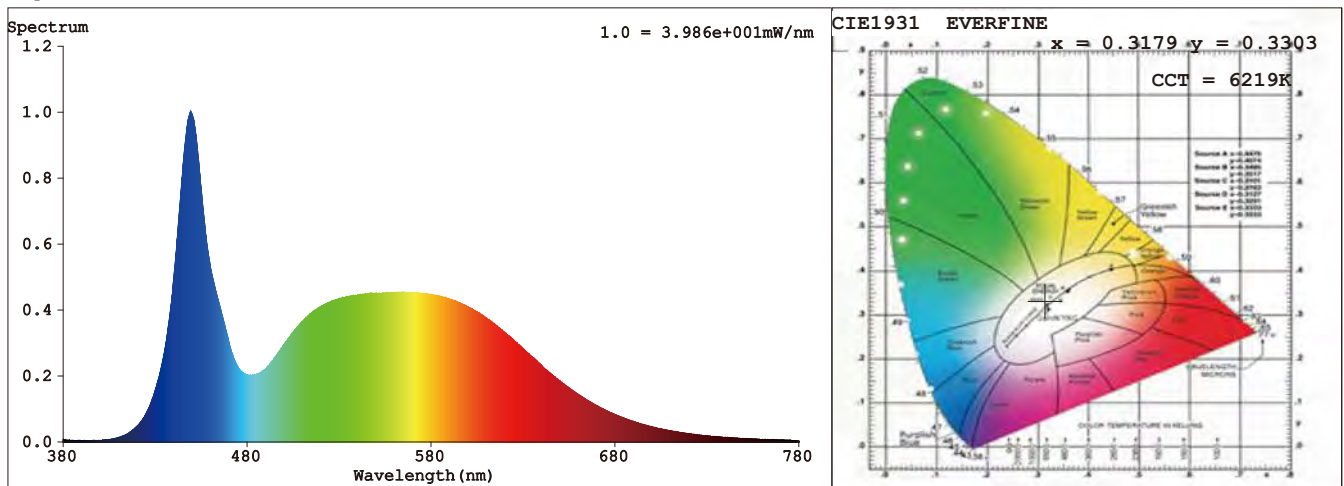
Date : 2019-03-21 14:59:46
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 47713 (73%)
T : 96 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3179$ $y = 0.3303$ / $u' = 0.2010$ $v' = 0.4698$ ($duv=1.23e-03$)

CCT= 6219K Prcp WL: $L_d=489.1nm$ Purity=5.4%

Peak WL: $L_p=449nm$ FWHM: $=21.1nm$ Ratio:R=13.9% G=80.9% B=5.1%

Render Index: $R_a = 82.9$

R1 =82	R2 =86	R3 =88	R4 =84	R5 =83	R6 =81	R7 =88
R8 =71	R9 =11	R10=67	R11=83	R12=58	R13=83	R14=94 R15=78

Photometric & Radiometric Parameters

Flux = 1175.7 lm Eff. : 88.55 lm/W $Fe = 3.7911 W$

Electrical parameters

V = 24.00 V I = 0.5533 A P = 13.28 W PF = 1.000 F=0.00 Hz