

Spectrum Test Report UP-02-12V-YYY

Sample : LT9101-3 BT&WIFI
 Specification : LT9101-3 BT&WIFI
 Sample No. : 2700K
 Manufacturer :

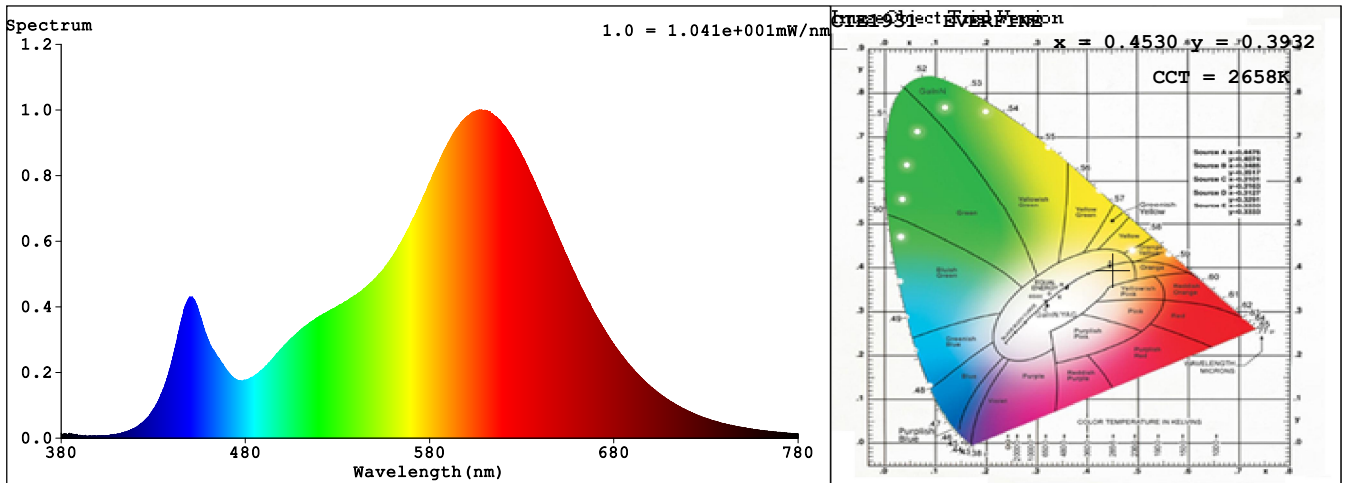
Date : 2023-10-26 16:25:30
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 54811 (84%)
 T : 375 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4530$ $y = 0.3932$ / $u' = 0.2660$ $v' = 0.5195$ ($duv = -6.01e-03$)
 CCT= 2658K Prcp WL: $L_d = 586.7nm$ Purity=54.0%
 Peak WL: $L_p = 607nm$ FWHM: =106.2nm Ratio:R=26.2% G=71.2% B=2.6%

Render Index: $R_a = 83.9$

R1 =85 R2 =96 R3 =91 R4 =82 R5 =86 R6 =95 R7 =79
 R8 =58 R9 =13 R10=91 R11=84 R12=88 R13=88 R14=96 R15=77
 LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 489.28 lm Eff. : 61.04 lm/W $F_e = 1.5641$ W

Electrical parameters

V = 11.98 V I = 1.008 A P = 8.016 W PF = 0.6641

Spectrum Test Report

Sample : LT9101-3 BT&WIFI
 Specification : LT9101-3 BT&WIFI
 Sample No. : 4000K
 Manufacturer :

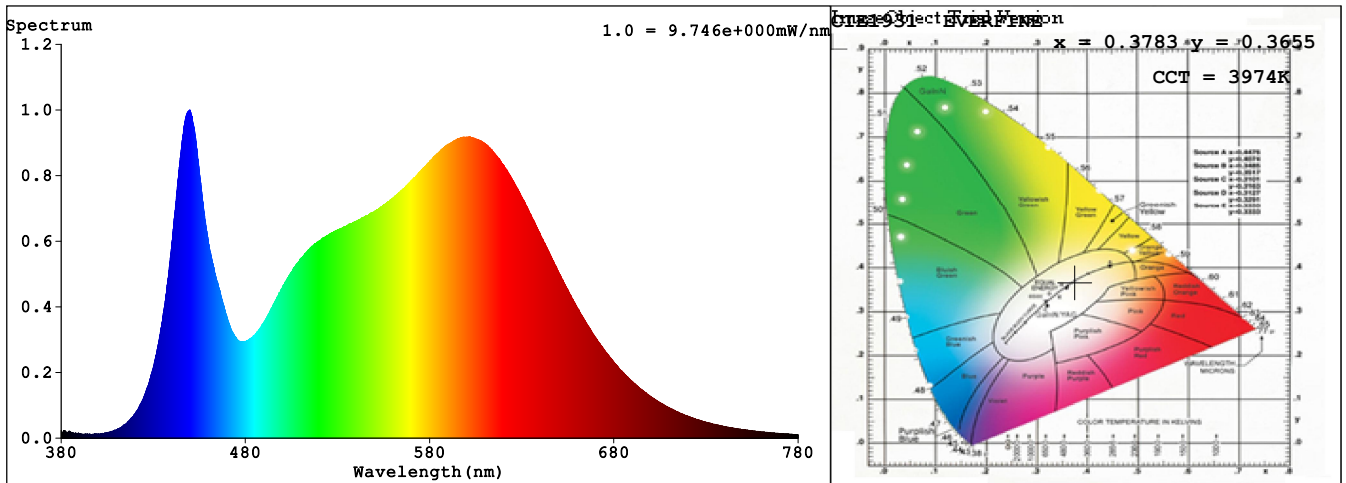
Date : 2023-10-26 16:26:31
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 46782 (71%)
 T : 375 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3783$ $y = 0.3655$ / $u' = 0.2283$ $v' = 0.4962$ ($duv = -4.75e-03$)
 CCT= 3974K Prcp WL: $L_d = 582.2nm$ Purity=23.2%
 Peak WL: $L_p = 450nm$ FWHM: $=25.3nm$ Ratio: R=19.5% G=76.6% B=3.9%

Render Index: $R_a = 87.6$

R1 =88 R2 =93 R3 =96 R4 =88 R5 =88 R6 =90 R7 =87
 R8 =71 R9 =28 R10=83 R11=88 R12=74 R13=89 R14=98 R15=83
 LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 544.79 lm Eff. : 68.87 lm/W $F_e = 1.7293 W$

Electrical parameters

V = 11.98 V I = 0.9913 A P = 7.910 W PF = 0.6662

Spectrum Test Report

Sample : LT9101-3 BT&WIFI
 Specification : LT9101-3 BT&WIFI
 Sample No. : 6000K
 Manufacturer :

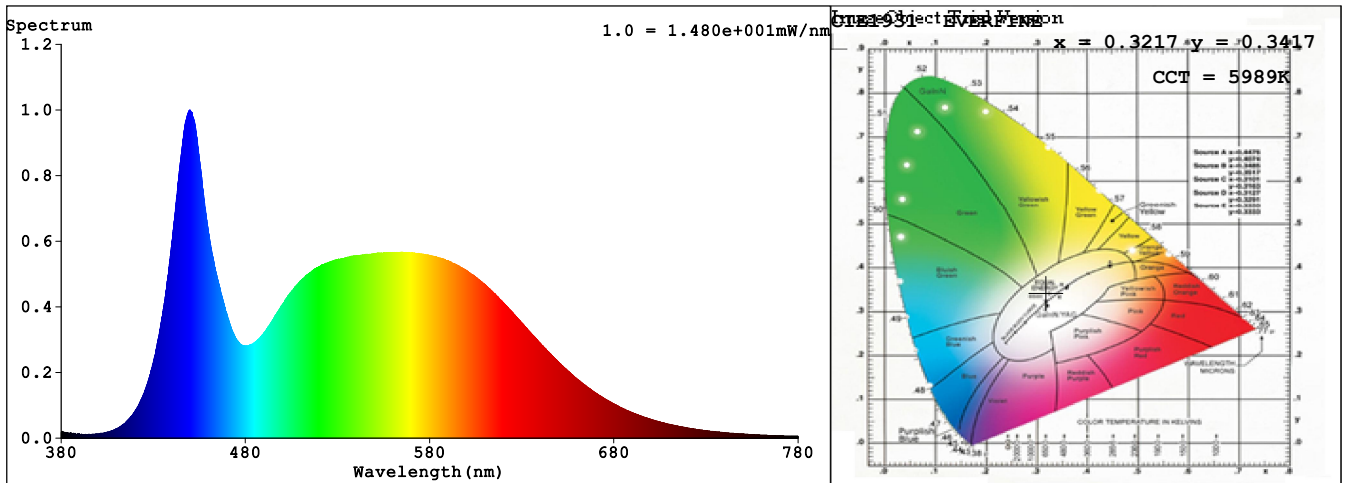
Date : 2023-10-26 16:27:00
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 52952 (81%)
 T : 452 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3217$ $y = 0.3417$ / $u' = 0.1993$ $v' = 0.4763$ ($duv=5.28e-03$)

CCT= 5989K Prcp WL: $L_d=501.2nm$ Purity=3.6%

Peak WL: $L_p=450nm$ FWHM: $=26.1nm$ Ratio:R=13.8% G=81.0% B=5.2%

Render Index: $R_a = 82.8$

R1 =80 R2 =87 R3 =91 R4 =83 R5 =82 R6 =82 R7 =88

R8 =69 R9 =4 R10=68 R11=82 R12=63 R13=82 R14=95 R15=75

LEVEL:OUT WHITE:ANSI_5700K

Photometric & Radiometric Parameters

Flux = 592.35 lm Eff. : 70.52 lm/W $F_e = 1.8887 W$

Electrical parameters

V = 11.97 V I = 1.059 A P = 8.400 W PF = 0.6624

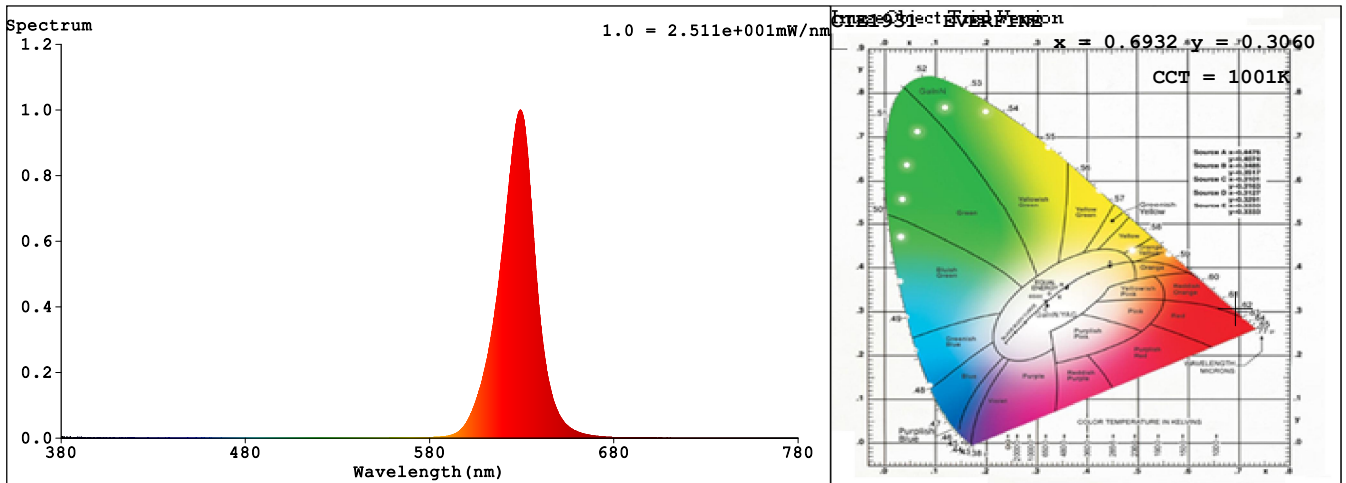
Spectrum Test Report

Sample	: LT9101-3 BT&WIFI	Date	: 2023-10-26 16:27:25
Specification	: LT9101-3 BT&WIFI	Sam. Status	:
Sample No.	: RED	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: simei
		Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53400 (81%)
Test Mode	: Fast Test	T	: 152 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6932$ $y = 0.3060$ / $u' = 0.5247$ $v' = 0.5210$ ($duv = -7.71e-02$)

CCT= 1001K Prcp WL: $L_d = 621.2\text{nm}$ Purity=99.8%

Peak WL: $L_p = 629\text{nm}$ FWHM: =19.7nm Ratio:R=97.5% G=2.5% B=0.0%

Render Index: $R_a = 11.4$

R1 =4 R2 =78 R3 =27 R4 =-31 R5 =-2 R6 =90 R7 =1
R8 =-78 R9 =-236 R10=72 R11=-16 R12=79 R13=29 R14=58 R15=-40
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 130.48 lm Eff. : 31.20 lm/W $F_e = 629.07$ mW

Electrical parameters

V = 12.01 V I = 0.5367 A P = 4.182 W PF = 0.6485

Spectrum Test Report

Sample : LT9101-3 BT&WIFI
 Specification : LT9101-3 BT&WIFI
 Sample No. : GREEN
 Manufacturer :

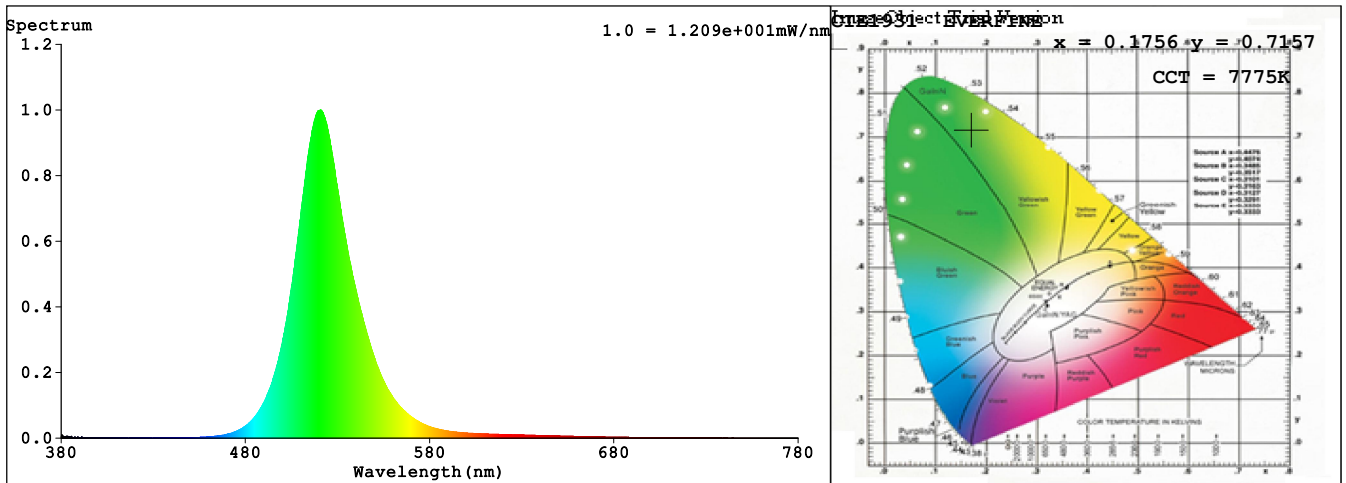
Date : 2023-10-26 16:28:35
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 51851 (79%)
 T : 408 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1756$ $y = 0.7157$ / $u' = 0.0625$ $v' = 0.5732$ ($duv=1.55e-01$)

CCT= 7775K Prcp WL: $L_d=527.4nm$ Purity=79.0%

Peak WL: $L_p=521nm$ FWHM: $=32.0nm$ Ratio:R=0.7% G=97.1% B=2.2%

Render Index: $R_a = -20.0$

R1 =-31 R2 =-5 R3 =-16 R4 =-59 R5 =-6 R6 =-12 R7 =-3

R8 =-28 R9 =-335 R10=-98 R11=-87 R12=-27 R13=-36 R14=42 R15=-29

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 246.37 lm Eff. : 55.53 lm/W Fe = 512.70 mW

Electrical parameters

V = 12.01 V I = 0.5645 A P = 4.437 W PF = 0.6543

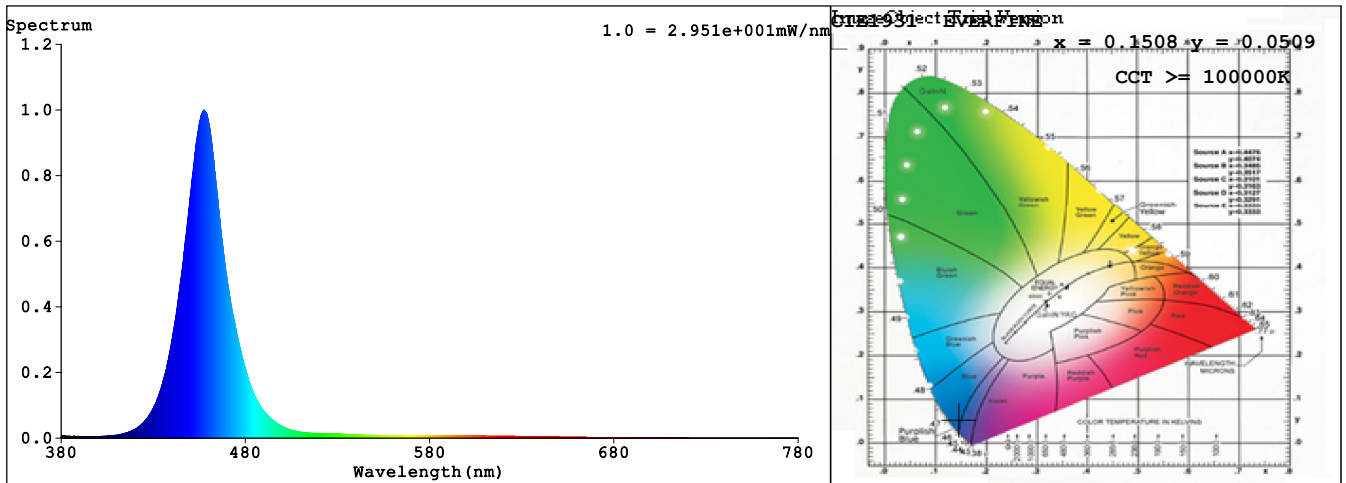
Spectrum Test Report

Sample	: LT9101-3 BT&WIFI	Date	: 2023-10-26 16:28:59
Specification	: LT9101-3 BT&WIFI	Sam. Status	:
Sample No.	: BLUE	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: simei
		Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52672 (80%)
Test Mode	: Fast Test	T	: 340 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1508$ $y = 0.0509$ / $u' = 0.1823$ $v' = 0.1385$ ($duv = -1.74e-01$)

CCT>=100000K Prcp WL: Ld=462.5nm Purity=94.4%

Peak WL: Lp=458nm FWHM: =24.4nm Ratio:R=3.7% G=28.7% B=67.6%

Render Index: Ra = -32.2

R1 =35 R2 =-20 R3 =-142 R4 =-76 R5 =41 R6 =-22 R7 =-43

R8 =-31 R9 =-135 R10=-196 R11=-96 R12=-70 R13=18 R14=-26 R15=40

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 61.038 lm Eff. : 12.29 lm/W Fe = 979.49 mW

Electrical parameters

V = 12.01 V I = 0.6369 A P = 4.965 W PF = 0.6492