

RGBCCT COB LED Spectrum Test Report

Sample : FCOB-24V-RGBCCT
 Specification : 840-24v-12mm R
 Sample No. : 2946
 Manufacturer : EVERFINE

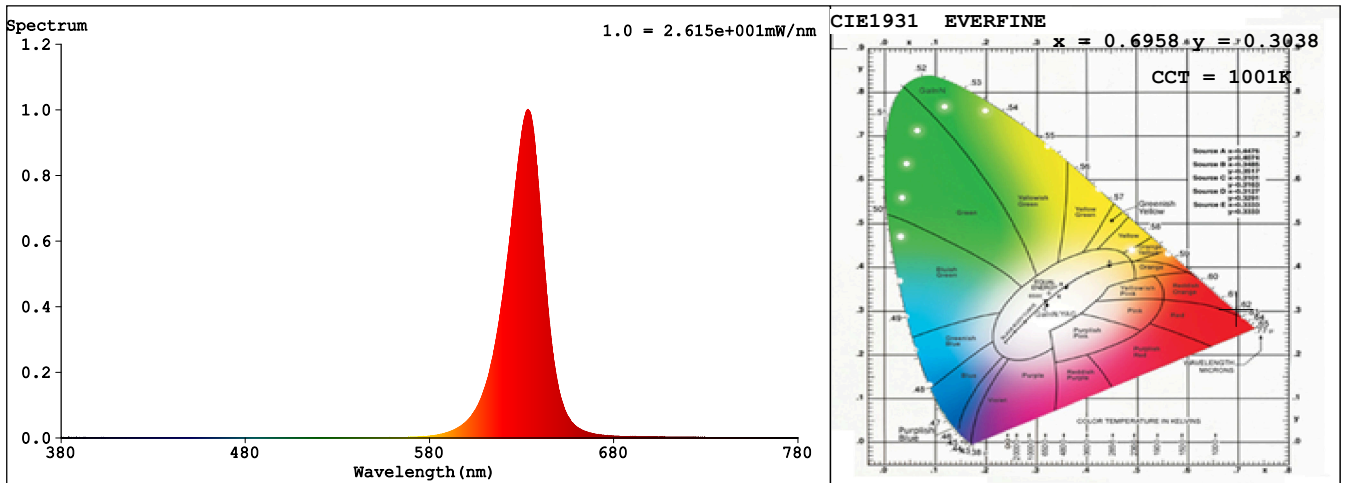
Date : 2024-08-12 15:16:40
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 52672 (80%)
 T : 86 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6958$ $y = 0.3038$ / $u' = 0.5297$ $v' = 0.5204$ ($duv = -8.22e-02$)
 CCT= 1001K Prcp WL: $L_d = 622.4nm$ Purity=99.9%
 Peak WL: $L_p = 634nm$ FWHM: $=21.4nm$ Ratio:R=95.4% G=4.6% B=0.0%

Render Index: $R_a = 18.1$

R1 =9 R2 =78 R3 =35 R4 =-23 R5 =5 R6 =88 R7 =12
 R8 =-59 R9 =-205 R10=72 R11=-12 R12=80 R13=31 R14=62 R15=-28

Photometric & Radiometric Parameters

Flux = 121.83 lm Eff. : 25.23 lm/W Fe = 657.32 mW

Electrical parameters

V = 24.00 V I = 0.2012 A P = 4.829 W PF = 1.000 F=0.00 Hz

RGBCCT COB LED Spectrum Test Report

Sample :
 Specification : 840-24v-12mm G
 Sample No. : 2947
 Manufacturer : EVERFINE

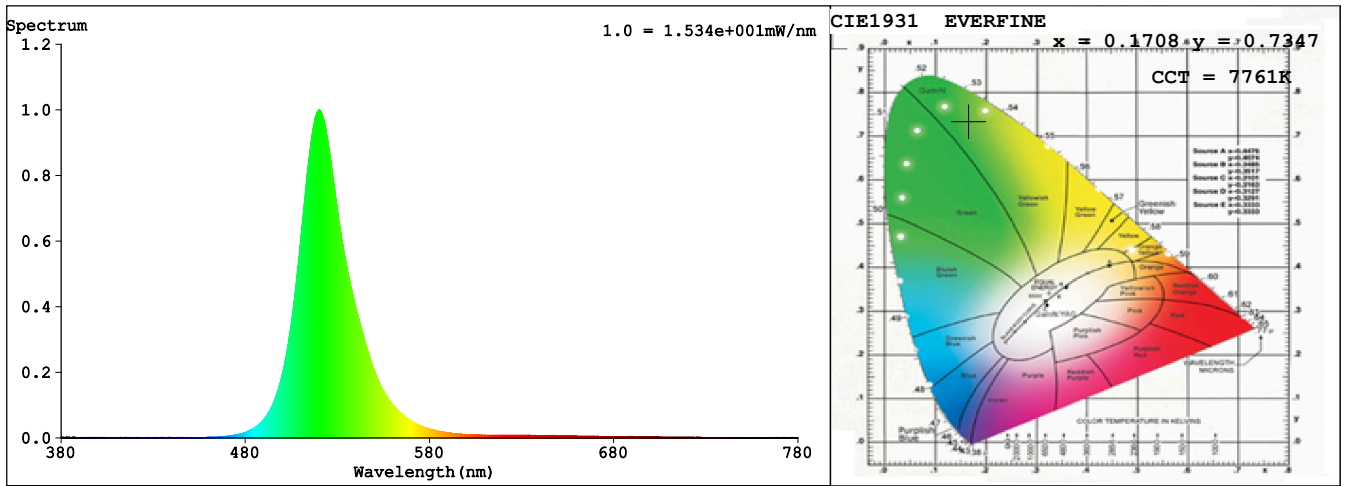
Date : 2024-08-12 15:23:24
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 52535 (80%)
 T : 139 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1708, y = 0.7347 / u' = 0.0595, v' = 0.5762$ ($\text{duv} = 1.58e-01$)
 CCT= 7761K Prcp WL: $\text{Ld} = 527.9\text{nm}$ Purity=83.3%
 Peak WL: $\text{Lp} = 520\text{nm}$ FWHM: $\approx 27.8\text{nm}$ Ratio: R=0.6% G=98.0% B=1.4%

Render Index: $\text{Ra} = -26.9$

R1 = -33 R2 = -12 R3 = -30 R4 = -66 R5 = -8 R6 = -20 R7 = -13
 R8 = -33 R9 = -341 R10 = -115 R11 = -96 R12 = -38 R13 = -40 R14 = 35 R15 = -31

Photometric & Radiometric Parameters

Flux = 259.61 lm Eff. : 100.53 lm/W Fe = 529.08 mW

Electrical parameters

V = 24.00 V I = 0.1076 A P = 2.582 W PF = 1.000 F=0.00 Hz

RGBCCT COB LED Spectrum Test Report

Sample
 Specification : 840-24v-12mm B
 Sample No. : 2948
 Manufacturer : EVERFINE

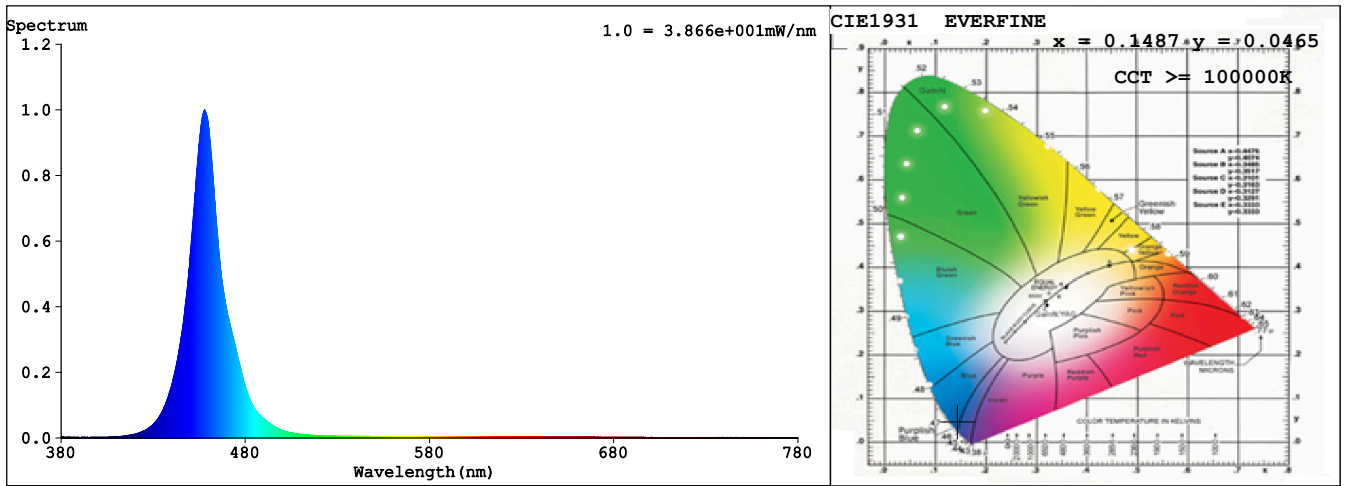
Date : 2024-08-12 15:37:52
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 53201 (81%)
 T : 95 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1487, y = 0.0465 / u' = 0.1825, v' = 0.1283$ ($duv = -1.80e-01$)
 CCT>=1000000K Prcp WL: $L_d = 462.2nm$ Purity=95.7%
 Peak WL: $L_p = 458nm$ FWHM: =17.8nm Ratio:R=3.6% G=21.0% B=75.4%

Render Index: $R_a = -39.7$

R1 =31 R2 =-32 R3 =-154 R4 =-82 R5 =37 R6 =-34 R7 =-51
 R8 =-33 R9 =-129 R10=-220 R11=-103 R12=-83 R13=8 R14=-32 R15=35

Photometric & Radiometric Parameters

Flux = 54.088 lm Eff. : 19.60 lm/W Fe = 938.50 mW

Electrical parameters

V = 24.00 V I = 0.1150 A P = 2.760 W PF = 1.000 F=0.00 Hz

RGBCCT COB LED Spectrum Test Report

Sample
 Specification : 840-24v-12mm C
 Sample No. : 2949
 Manufacturer : EVERFINE

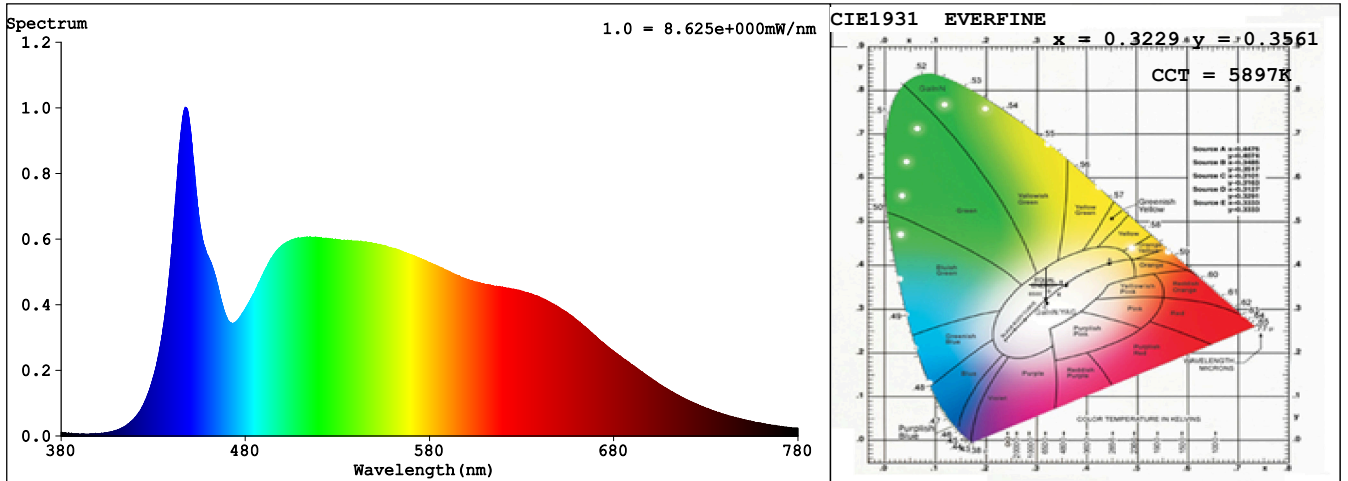
Date : 2024-08-12 15:28:29
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 51104 (78%)
 T : 375 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3229, y = 0.3561 / u' = 0.1949, v' = 0.4836$ (duv=1.18e-02)
 CCT= 5897K Prcp WL: Ld=523.9nm Purity=4.6%
 Peak WL: Lp=448nm FWHM: =24.0nm Ratio:R=14.5% G=79.5% B=6.1%

Render Index: Ra = 90.9

R1 =88 R2 =92 R3 =97 R4 =91 R5 =89 R6 =90 R7 =96
 R8 =85 R9 =55 R10=83 R11=90 R12=74 R13=88 R14=99 R15=85

Photometric & Radiometric Parameters

Flux = 339.71 lm Eff. : 67.09 lm/W Fe = 1.1858 W

Electrical parameters

V = 24.00 V I = 0.2110 A P = 5.064 W PF = 1.000 F=0.00 Hz

RGBCCT COB LED Spectrum Test Report

Sample
 Specification : 840-24v-12mm W
 Sample No. : 2950
 Manufacturer : EVERFINE

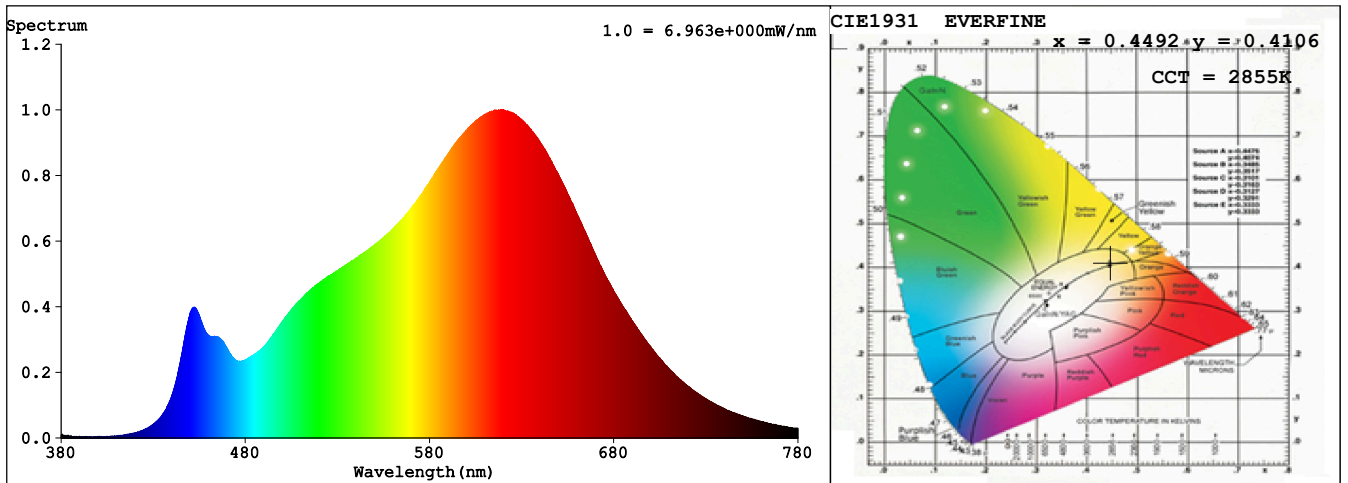
Date : 2024-08-12 15:39:10
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 52655 (80%)
 T : 304 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4492$ $y = 0.4106$ / $u' = 0.2557$ $v' = 0.5257$ ($duv=1.01e-03$)
 CCT= 2855K Prcp WL: $L_d=583.1nm$ Purity=58.1%
 Peak WL: $L_p=620nm$ FWHM: =147.6nm Ratio:R=25.1% G=72.1% B=2.8%

Render Index: $R_a = 92.0$

R1 =92 R2 =97 R3 =98 R4 =92 R5 =92 R6 =97 R7 =90
 R8 =78 R9 =51 R10=93 R11=94 R12=84 R13=94 R14=100 R15=86

Photometric & Radiometric Parameters

Flux = 334.32 lm Eff. : 64.82 lm/W $F_e = 1.1287 W$

Electrical parameters

$V = 24.00 V$ $I = 0.2149 A$ $P = 5.157 W$ PF = 1.000 F=0.00 Hz

RGBCCT COB LED Spectrum Test Report

Sample
 Specification : 840-24v-12mm RGBCW
 Sample No. : 2951
 Manufacturer : EVERFINE

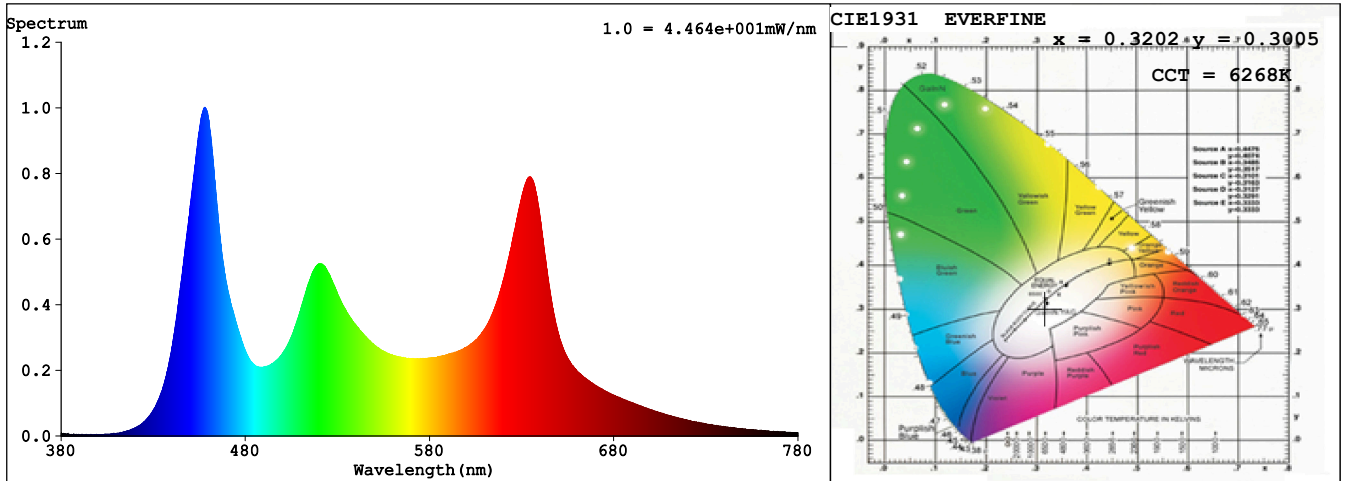
Date : 2024-08-12 15:49:59
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : DAMIN
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 49396 (75%)
 T : 60 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3202, y = 0.3005 / u' = 0.2147, v' = 0.4534$ (duv=-1.63e-02)
 CCT= 6268K Prcp WL: Ld=-567.8nm Purity=13.8%
 Peak WL: Lp=458nm FWHM: =22.9nm Ratio:R=22.4% G=70.8% B=6.8%

Render Index: Ra = 66.3

R1 =54 R2 =78 R3 =87 R4 =58 R5 =61 R6 =73 R7 =81
 R8 =38 R9 =-65 R10=57 R11=46 R12=69 R13=58 R14=89 R15=43

Photometric & Radiometric Parameters

Flux = 1087.9 lm Eff. : 53.53 lm/W Fe = 4.3685 W

Electrical parameters

V = 24.00 V I = 0.8468 A P = 20.32 W PF = 1.000 F=0.00 Hz