

Spectrum Test Report

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

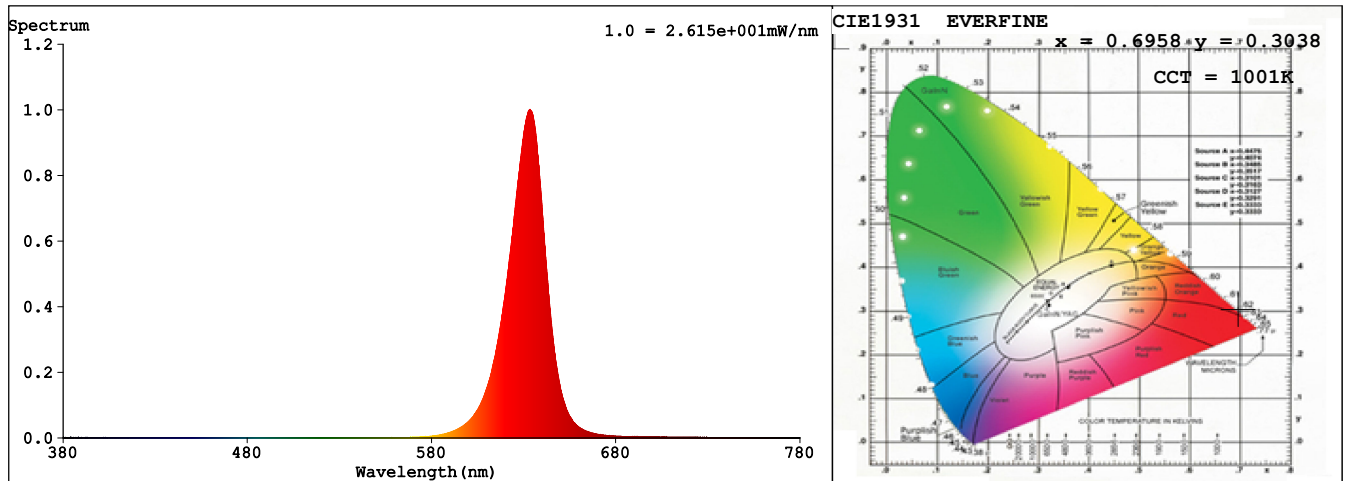
Date : 2025-05-10 17:06:40
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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: $L_d = 622.4\text{nm}$ Purity=99.9%

Peak WL: $L_p = 634\text{nm}$ FWHM: $\approx 21.4\text{nm}$ Ratio: R=95.4% G=4.6% B=0.0%

Render Index: $R_a = 18.1$

$R_1 = 9$ $R_2 = 78$ $R_3 = 35$ $R_4 = -23$ $R_5 = 5$ $R_6 = 88$ $R_7 = 12$
 $R_8 = -59$ $R_9 = -205$ $R_{10} = 72$ $R_{11} = -12$ $R_{12} = 80$ $R_{13} = 31$ $R_{14} = 62$ $R_{15} = -28$

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

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Spectrum Test Report

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

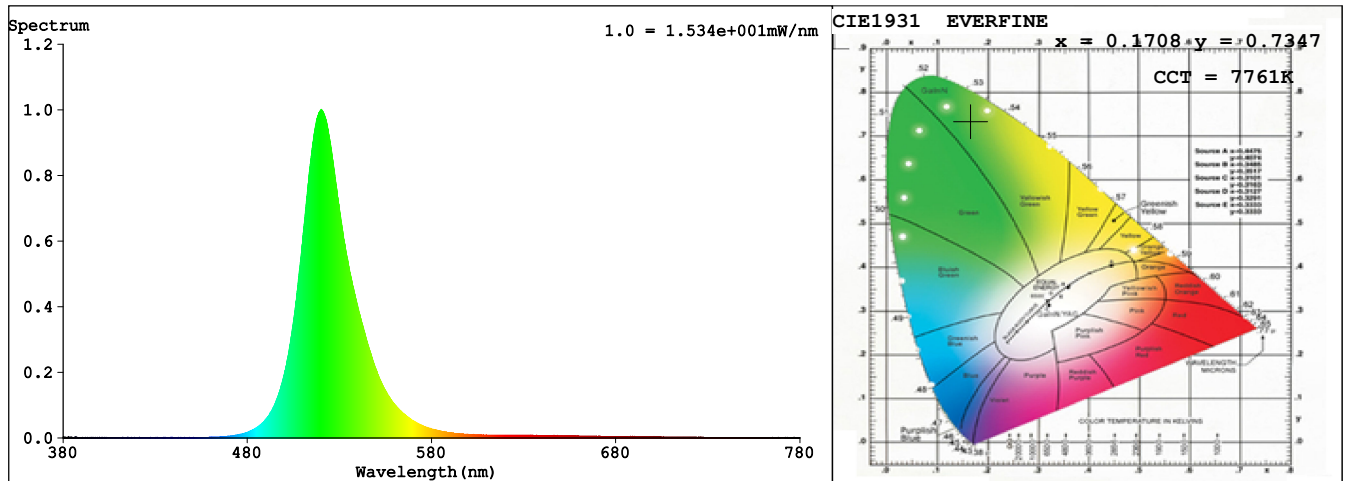
Date : 2025-05-10 17:07:24
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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: $x = 0.1708$ $y = 0.7347$ / $u' = 0.0595$ $v' = 0.5762$ ($duv=1.58e-01$)

CCT= 7761K Prcp WL: $L_d=527.9\text{nm}$ Purity=83.3%

Peak WL: $L_p=520\text{nm}$ FWHM: $\approx 27.8\text{nm}$ Ratio: R=0.6% G=98.0% B=1.4%

Render Index: $R_a = -26.9$

$R_1 = -33$ $R_2 = -12$ $R_3 = -30$ $R_4 = -66$ $R_5 = -8$ $R_6 = -20$ $R_7 = -13$

$R_8 = -33$ $R_9 = -341$ $R_{10} = -115$ $R_{11} = -96$ $R_{12} = -38$ $R_{13} = -40$ $R_{14} = 35$ $R_{15} = -31$

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

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Spectrum Test Report

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

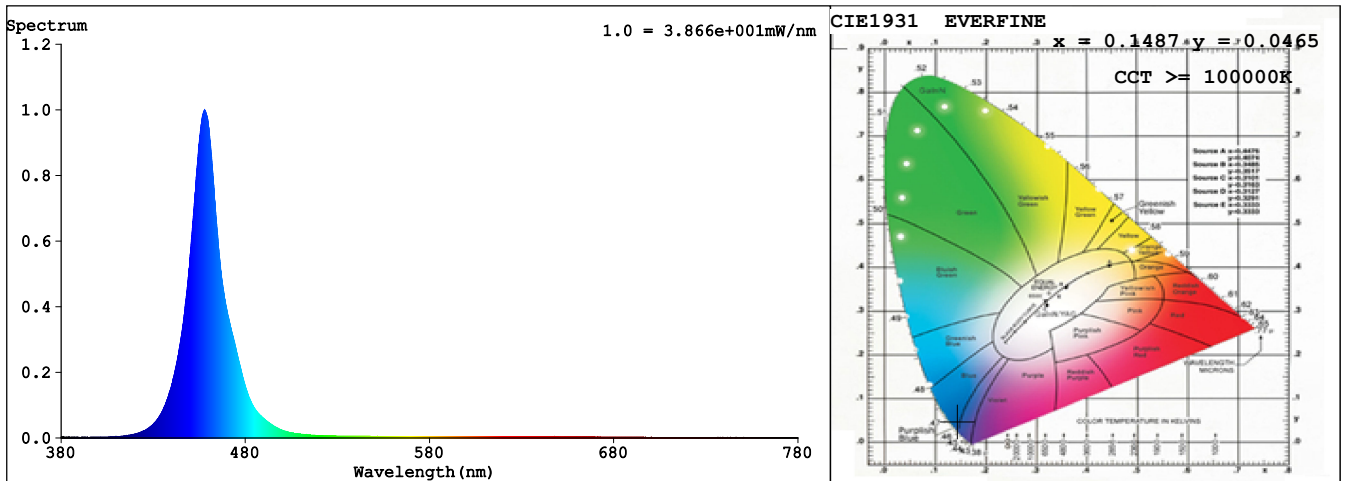
Date : 2025-05-10 17:07:52
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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: $x = 0.1487$ $y = 0.0465$ / $u' = 0.1825$ $v' = 0.1283$ ($duv = -1.80e-01$)

$CCT \geq 100000K$ 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: $R_a = -39.7$

$R_1 = 31$ $R_2 = -32$ $R_3 = -154$ $R_4 = -82$ $R_5 = 37$ $R_6 = -34$ $R_7 = -51$

$R_8 = -33$ $R_9 = -129$ $R_{10} = -220$ $R_{11} = -103$ $R_{12} = -83$ $R_{13} = 8$ $R_{14} = -32$ $R_{15} = 35$

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

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Spectrum Test Report

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

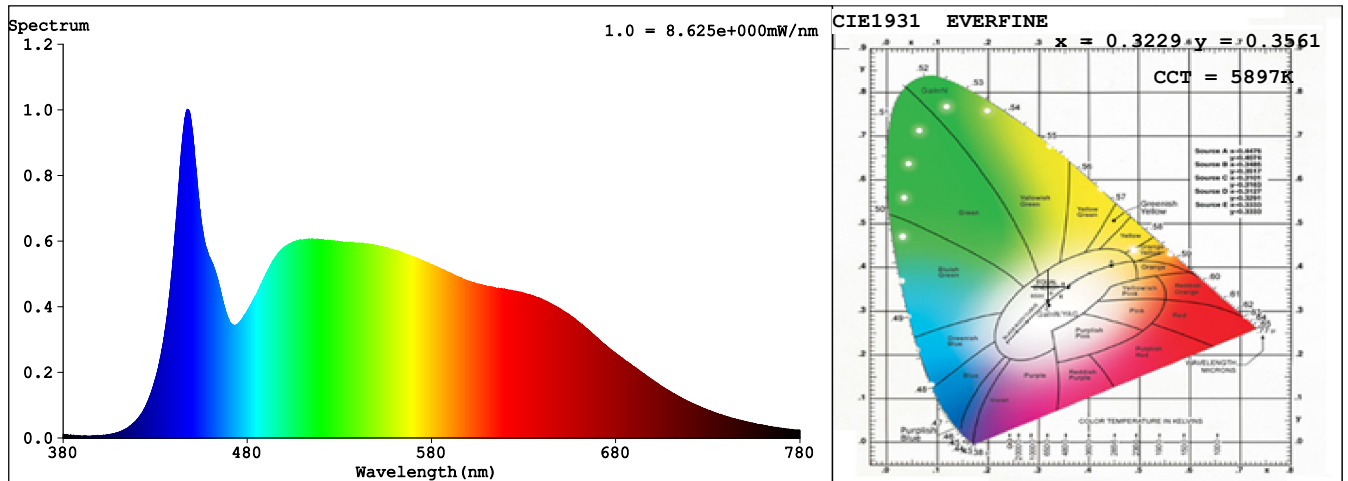
Date : 2025-05-10 17:08:29
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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: $L_d=523.9\text{nm}$ Purity=4.6%

Peak WL: $L_p=448\text{nm}$ FWHM: $=24.0\text{nm}$ Ratio: R=14.5% G=79.5% B=6.1%

Render Index: $R_a = 90.9$

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

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Spectrum Test Report

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

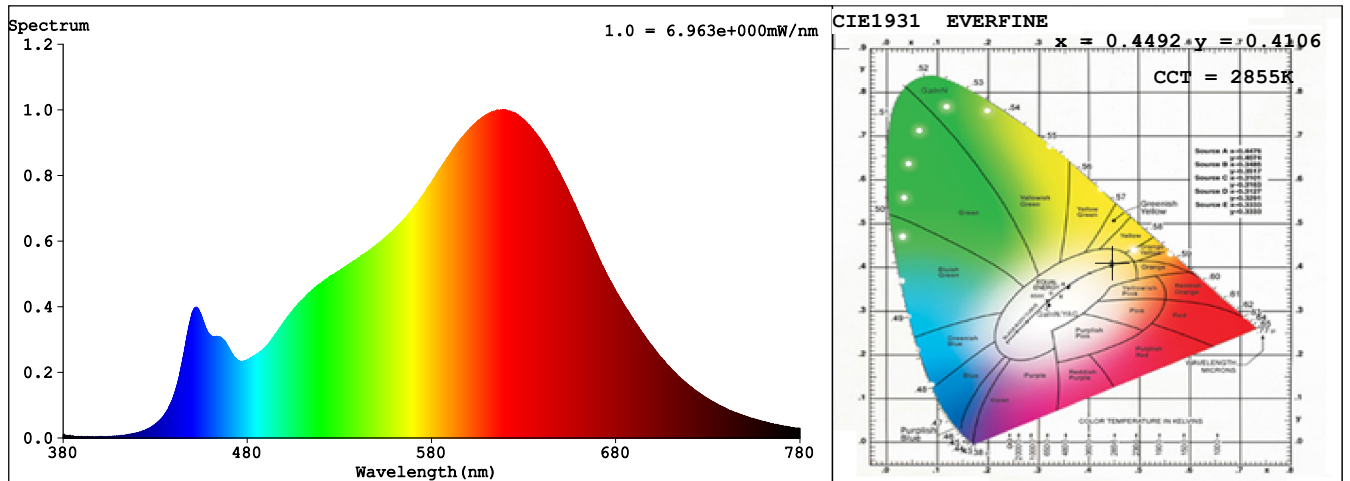
Date : 2025-05-10 17:09:10
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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

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Spectrum Test Report

Sample :
Specification : 840-24v-12mm RGBCW-IP33
Sample No. : 2951
Manufacturer : EVERFINE

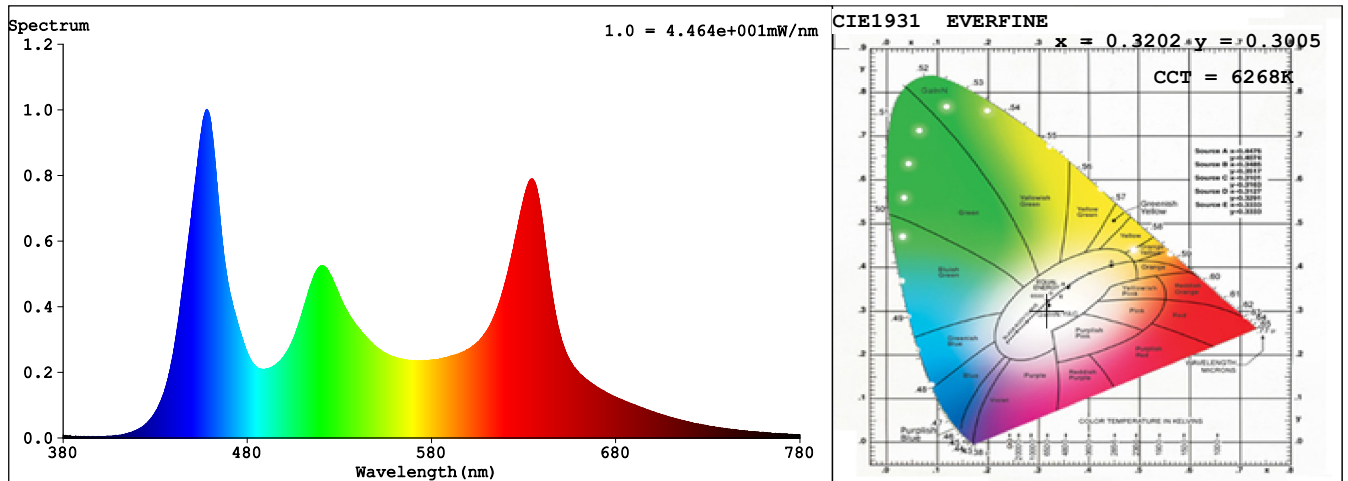
Date : 2025-05-10 17:09:59
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

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: $L_d = -567.8\text{nm}$ Purity=13.8%

Peak WL: $L_p = 458\text{nm}$ FWHM: $\approx 22.9\text{nm}$ Ratio: R=22.4% G=70.8% B=6.8%

Render Index: $R_a = 66.3$

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 $F_e = 4.3685\text{ W}$

Electrical parameters

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

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