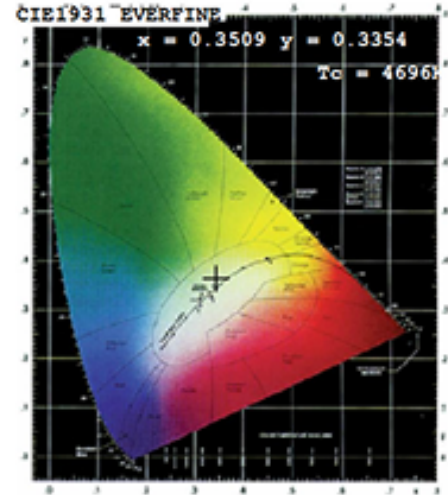
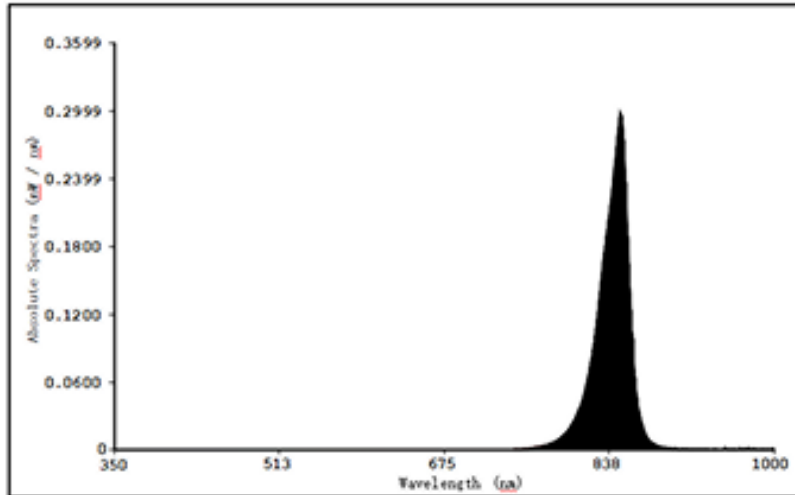


Test Report

EVERFINE LEDspec Photometric and Colorimetric Test Report

Light Source Spectrum Test report



Color Parameter:

Chromaticity Coordinates (2 degrees): $x=0.3509$ $y=0.3354$ $u'=0.2220$ $v'=0.4774$ $duv=-1.076e-002$

Correlated Color Temperature: $T_c=4696K$ **Dominant wavelength:** $\lambda_d=600.8nm$, color purity: Purity=5.9%

Color Ratio: R=22.1% G=70.9% B=7.0% **Peak wavelength:** $\lambda_p=848.4nm$ **Spectral Bandwidth:** $\Delta\lambda_d=28.4nm$

Color Rendering Index: $R_a=91.3$ $K_{red}=14.67\%$

R1 =90.46	R2 =91.39	R3 =84.37	R4 =91.38	R5 =89.53
R6 =91.02	R7 =98.37	R8 =93.76	R9 =77.38	R10=77.20
R11=92.26	R12=92.70	R13=89.49	R14=85.12	R15=89.15

TM30 Parameter: $R_f = 91.1$, $R_g: 104.2$

Photometric Parameters:

Luminous Flux $\Phi_v = 0.0002 lm$ **Luminous Efficacy:** $0.01 lm/W$ $\Phi_e = 9.949 mW$

Photon Flux (mmol/s): $5.689e-004$ [380-780 nm] $1.161e-005$ [380-600 nm] $1.414e-005$ [500-700 nm]

Photon Flux = $6.974e-002 \mu mol/s$ **Blue Light Ratio** = 50.1 **Fluorescence Efficiency** = $2.933e-003$

Photosynthetic radiation parameters (400~700nm):

Photosynthetic Photon Flux (PPF) : $3.618 e-006 \mu mol/s$

Photosynthetic Radiant Flux (PRF): $0.00078065mW$

Photosynthetic Photon Flux Efficiency (Eff(PPF)): $0.00 \mu mol/s /W$

Electrical Parameter:

Forward voltage $V_F=1.509V$

Forward Current $I_F=19.98mA$ Power $P=30.15mW$

Classification: ** [OUT]

White Light Classification: OUT

Instrument Status: Integration Time $T=4000.00ms$ $IP=40111$ (61%)

[HAAS2000_V3_USB] V2.00.313

Product Model: 5

Tested by: Zhuang Jiali

Ambient temperature: 25.3

Manufacturer: EVERFINE

Reviewer: damin

Testing Instrument : LED300 + HAAS2000_V3_USB

Product Number: 2

Test Date: 2024-01-12 11-43

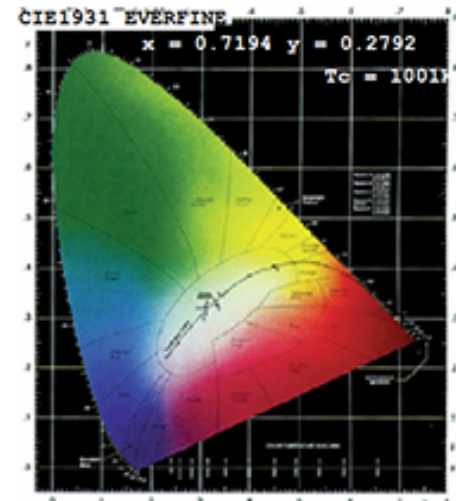
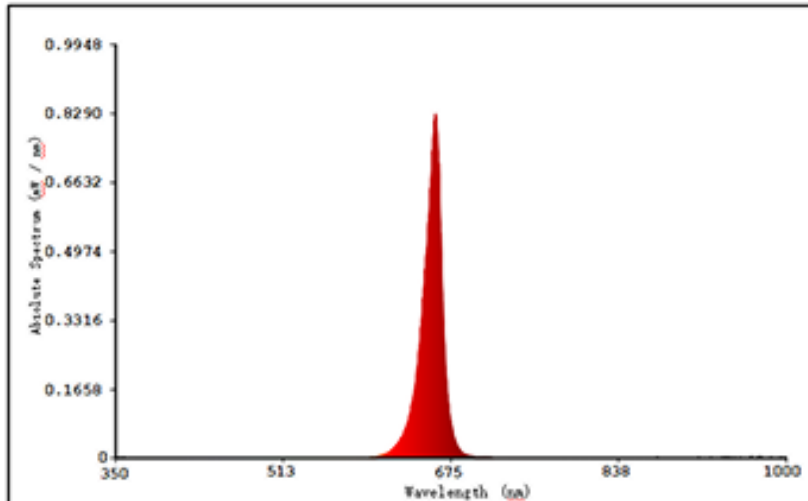
Ambient humidity: 65.0%

Note:

Test Report

EVERFINE LEDspec Photometric and Colorimetric Test Report

Light Source Spectrum Test report



Color Parameter:

Chromaticity Coordinates(2 degrees): $x=0.7194$ $y=0.2792$ $u'=0.5859$ $v'=0.5116$ $duv=-1.387e-001$

Correlated Color Temperature: $T_c=1001K$ **Dominant Wavelength:** $\lambda_d=642.3nm$

Color Purity: Purity=99.6% **Color Ratio:** R=99.5% G=0.4% B=0.0% **Peak Wavelength:** $\lambda_p=660.0nm$

Spectral Bandwidth: $\Delta\lambda_d=17.7nm$ **Color Rendering Index:** $R_a=8.8$ $R_{red}=98.17\%$

R1 =2.13 R2 =78.06 R3 =23.80 R4 =-32.45 R5 =-2.92
 R6 =81.81 R7 =3.33 R8 =-83.06 R9 =-254.60 R10=76.75
 R11=-18.69 R12=86.09 R13=29.12 R14=53.41 R15=-40.54

Photometric Parameters:

Luminous Flux $\Phi = 1.148lm$ **Luminous Efficacy:** 25.60 lm/W $\Phi_e = 18.00 mW$

Photon Flux (umol/s): 9.807e-002 [380-780 nm] 8.488e-005 [380-600 nm] 9.784e-002 [500-700 nm]

Photon Flux =9.861e-002 umol/s fluorescence **Blue Light Ratio** =2.51e + 003 **Fluorescence Efficiency** =3.996e-001

Photosynthetic Radiation Parameters (400~700nm): Photosynthetic optical quantum flux PPF: 0.088843 $\mu mol / s$

Photosynthetic Photon Flux(PPF) : 3.618 e-006 $\mu mol/s$

Photosynthetic Radiant Flux (PRF): 0.00078065mW

Photosynthetic Photon Flux Efficiency (Eff(PPF)): 0.00 $\mu mol/s / W$

Electrical Parameter:

Forward voltage $V_F=2.245V$

Forward Current $I_F=19.98mA$ Power $P=44.85mW$

Classification: ** [OUT]

White Light Classification: OUT

Instrument Status: Integration Time $T=614.00ms$ $IP=51577$ (79%)

[HAAS2000_V3_USB] V2.00.313

Product Model: 5

Product Number: 2

Tested by: Zhuang Jiali

Test Date: 2024-01-12 11-43

Ambient temperature: 25.3

Ambient humidity: 65.0%

Manufacturer: EVERFINE

Note:

Reviewer: damin

Testing Instrument : LED300 + HAAS2000_V3_USB