

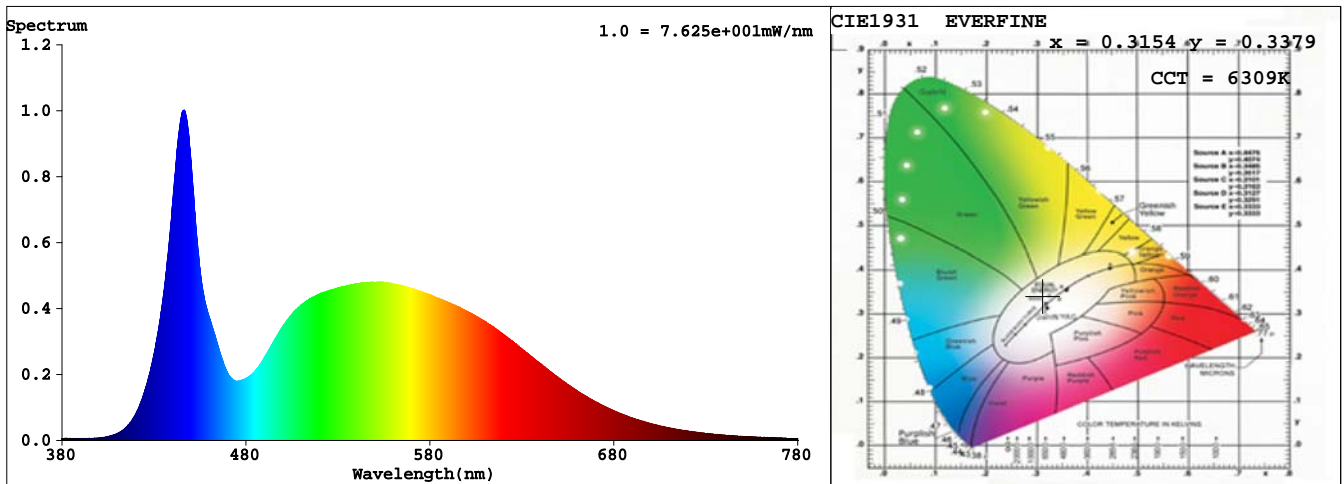
Spectrum Test Report

Sample	:	Date	:	2023-02-14 16:56:41
Specification	:	Standardtus	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	48121 (73%)
Test Mode	:	Fast Test	T	:	504 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3154, y = 0.3379 / u' = 0.1964, v' = 0.4734$ ($duv=6.37e-03$)

CCT= 6309K Prcp WL: $Ld=495.0nm$ Purity=5.8%

Peak WL: $Lp=446nm$ FWHM: $=19.0nm$ Ratio:R=13.1% G=82.0% B=4.8%

Render Index: $Ra = 80.0$

R1 =78 R2 =82 R3 =86 R4 =81 R5 =80 R6 =77 R7 =86

R8 =70 R9 =2 R10=58 R11=82 R12=60 R13=78 R14=92 R15=73

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 2312.2 lm Eff. : 139.64 lm/W $Fe = 7.4237 W$

Photons1: $3.343e+001 \mu mol/s(400\sim 780nm)$ Photons2: $7.196e-001 \mu mol/s(700\sim 780nm)$

Photosynthetic:PPF(400-700nm): $32.712 \mu mol/s$ PRF(400-700nm): $7297.5mW$

Eff(PPF) (400-700nm): $1.98 \mu mol/s/W$

Electrical parameters

$V = 47.30 V$ $I = 0.3501 A$ $P = 16.56 W$ PF = 1.000 F=0.00 Hz

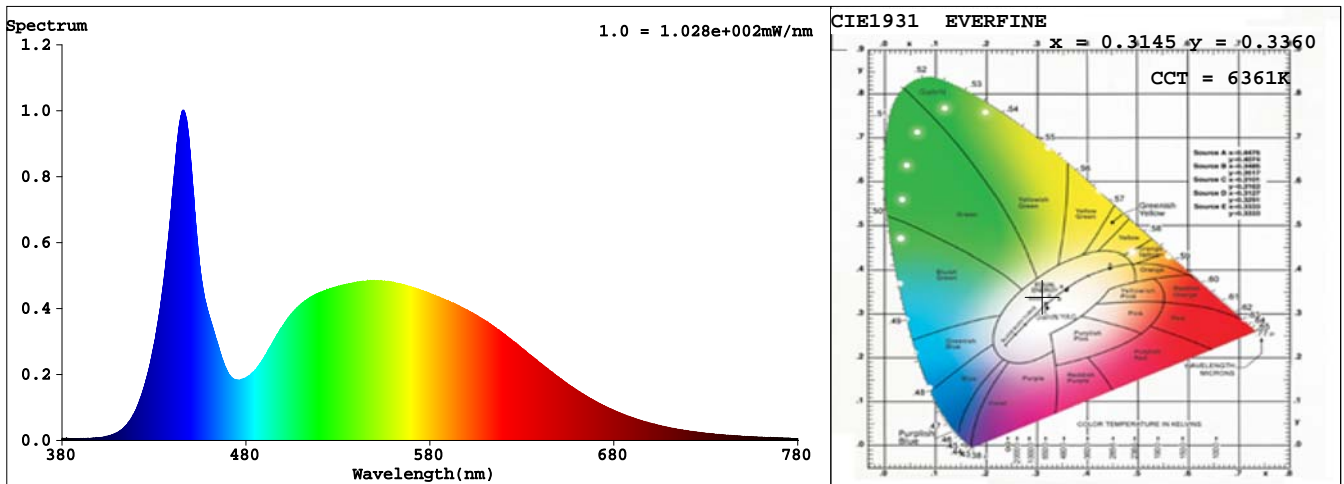
Spectrum Test Report

Sample	:	Date	:	2023-02-14 16:57:09
Specification	:	Standard	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52479 (80%)
Test Mode	:	Fast Test	T	:	409 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3145$ $y = 0.3360$ / $u' = 0.1965$ $v' = 0.4723$ ($duv=5.82e-03$)

CCT= 6361K Prcp WL: $L_d=493.5nm$ Purity=6.2%

Peak WL: $L_p=446nm$ FWHM: =19.9nm Ratio:R=13.1% G=82.0% B=4.8%

Render Index: $R_a = 80.0$

R1 =78 R2 =82 R3 =85 R4 =81 R5 =80 R6 =77 R7 =86

R8 =70 R9 =3 R10=58 R11=82 R12=61 R13=78 R14=92 R15=73

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 3145.4 lm Eff. : 130.94 lm/W $F_e = 10.151 W$

Photons1:4.566e+001 $\mu mol/s(400\sim 780nm)$ Photons2:9.885e-001 $\mu mol/s(700\sim 780nm)$

Photosynthetic:PPF(400-700nm):44.678 $\mu mol/s$ PRF(400-700nm):9977.6mW

Eff(PPF) (400-700nm):1.86 $\mu mol/s/W$

Electrical parameters

V = 48.04 V I = 0.5000 A P = 24.02 W PF = 1.000 F=0.00 Hz

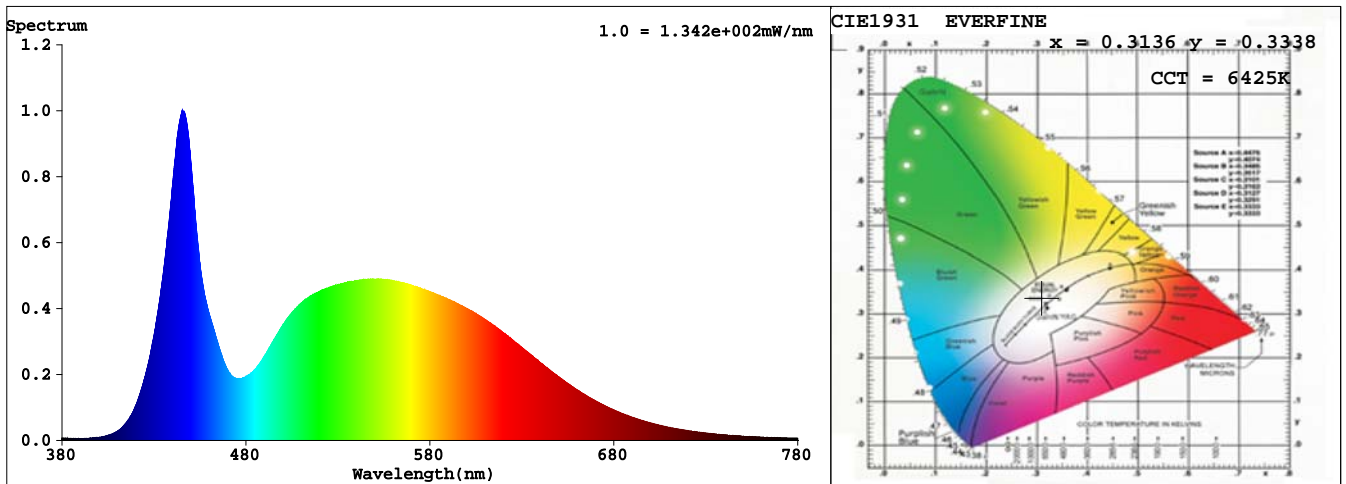
Spectrum Test Report

Sample	:	Date	:	2023-02-14 16:57:45
Specification	:	Standard	:	Standard
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52666 (80%)
Test Mode	:	Fast Test	T	:	315 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3136$ $y = 0.3338$ / $u' = 0.1966$ $v' = 0.4710$ ($duv=5.22e-03$)

CCT= 6425K Prcp WL: $L_d=492.0nm$ Purity=6.6%

Peak WL: $L_p=446nm$ FWHM: $=21.0nm$ Ratio:R=13.1% G=82.0% B=4.9%

Render Index: $R_a = 80.0$

R1 =78 R2 =82 R3 =85 R4 =82 R5 =80 R6 =77 R7 =85

R8 =70 R9 =4 R10=58 R11=82 R12=61 R13=78 R14=92 R15=73

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 4152.1 lm Eff. : 120.66 lm/W $F_e = 13.481 W$

Photons1: $6.057e+001 \mu mol/s(400\sim 780nm)$ Photons2: $1.324e+000 \mu mol/s(700\sim 780nm)$

Photosynthetic:PPF(400-700nm): $59.247 \mu mol/s$ PRF(400-700nm): $13247mW$

Eff(PPF) (400-700nm): $1.72 \mu mol/s/W$

Electrical parameters

V = 49.16 V I = 0.7000 A P = 34.41 W PF = 1.000 F=0.00 Hz

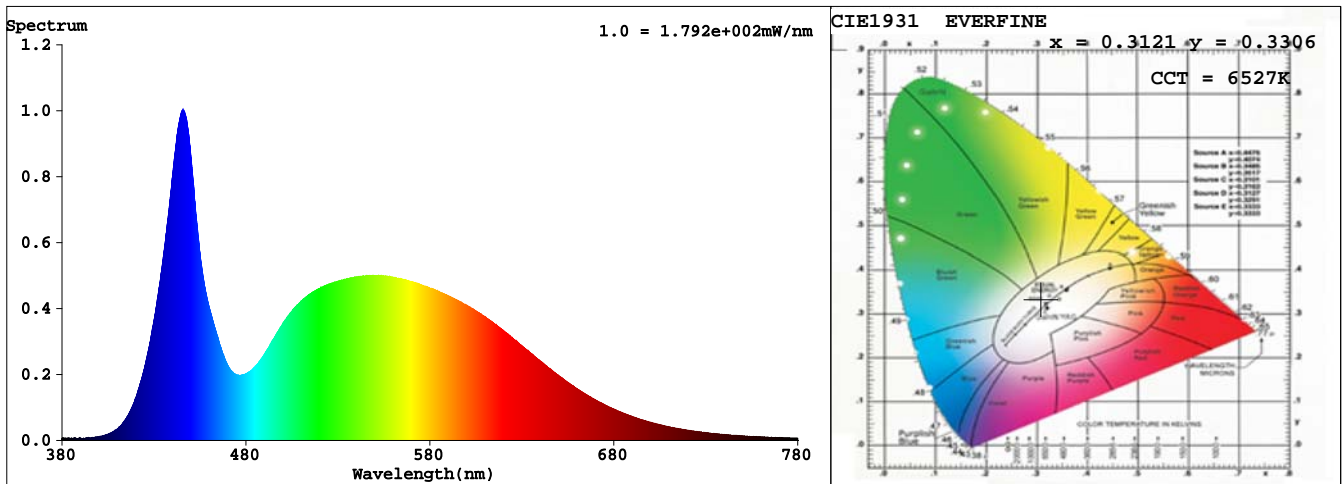
Spectrum Test Report

Sample	:	Date	:	2023-02-14 16:58:01
Specification	:	Standard	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52450 (80%)
Test Mode	:	Fast Test	T	:	235 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3121$ $y = 0.3306$ / $u' = 0.1968$ $v' = 0.4691$ ($duv=4.32e-03$)

CCT= 6527K Prcp WL: $L_d=490.0nm$ Purity=7.4%

Peak WL: $L_p=446nm$ FWHM: $=22.9nm$ Ratio:R=13.1% G=82.0% B=4.9%

Render Index: $R_a = 80.1$

R1 =79 R2 =82 R3 =84 R4 =82 R5 =81 R6 =77 R7 =85

R8 =71 R9 =5 R10=58 R11=82 R12=62 R13=79 R14=91 R15=74

LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 5666.0 lm Eff. : 106.68 lm/W Fe = 18.568 W

Photons1: $1.8327e+001 \mu mol/s(400\sim 780nm)$ Photons2: $1.846e+000 \mu mol/s(700\sim 780nm)$

Photosynthetic:PPF(400-700nm): $81.433 \mu mol/s$ PRF(400-700nm):18240mW

Eff(PPF) (400-700nm): $1.53 \mu mol/s/W$

Electrical parameters

V = 50.60 V I = 1.050 A P = 53.11 W PF = 1.000 F=0.00 Hz