

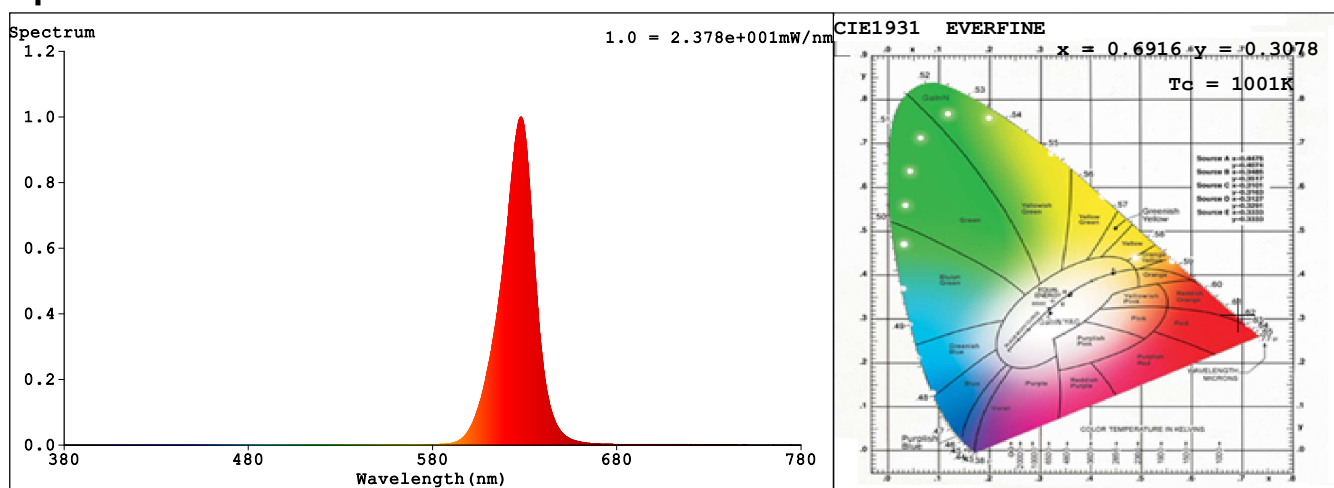
Spectrum Test Report

Sample	:	Date	:	2021-12-27 15:42:20
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	L

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	48659 (74%)
Test Mode	:	Fast Test	T	:	235 ms
			Delicacy	:	Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.6916$ $y = 0.3078$ / $u' = 0.5209$ $v' = 0.5216$ ($duv = -7.33e-02$)
 $T_c = 1001K$ Prcp WL: $\lambda_d = 620.2nm$ Purity=99.9%
 Peak WL: $\lambda_p = 628nm$ Half Width: $\Delta\lambda_p = 18.7nm$ Ratio: R=98.1% G=1.9% B=0.0%

Render Index: $R_a = 25.0$

R1 =4	R2 =79	R3 =26	R4 =0	R5 =0	R6 =91	R7 =0	
R8 =0	R9 =0	R10=72	R11=0	R12=78	R13=29	R14=57	R15=0

Photometric & Radiometric Quantities

Flux = 113.61 lm Eff. : 26.30 lm/W $F_e = 520.75$ mW
 Flux of emitted photons($\mu mol/s$):0.27208 Flu. and blue light ratio:11942 Fluorescent eff.:12.06

Electrical parameters

V = 24.00 V I = 0.1800 A P = 4.320 W PF = 1.000

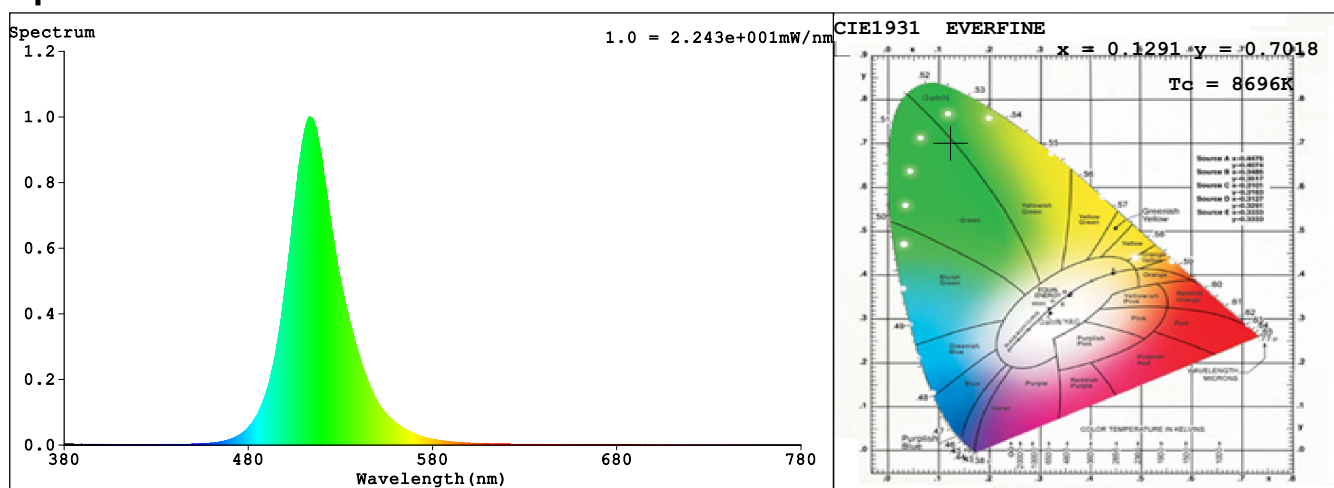
Spectrum Test Report

Sample	:	Date	:	2021-12-27 16:02:41
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	L

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	56098 (86%)
Test Mode	:	Fast Test	T	:	287 ms
			Delicacy	:	Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.1291, y = 0.7018 / u' = 0.0462, v' = 0.5658$ (duv=1.67e-01)
 $T_c = 8696K$ Prcp WL: $\lambda_d = 517.9nm$ Purity=74.3%
 Peak WL: $\lambda_p = 513nm$ Half Width: $\Delta\lambda_p = 29.8nm$ Ratio: R=0.3% G=96.6% B=3.2%

Render Index: $R_a = 0.0$

R1 = 0 R2 = 0 R3 = 0 R4 = 0 R5 = 0 R6 = 0 R7 = 0
 R8 = 0 R9 = 0 R10 = 0 R11 = 0 R12 = 0 R13 = 0 R14 = 38 R15 = 0

Photometric & Radiometric Quantities

Flux = 343.79 lm Eff. : 67.38 lm/W $F_e = 807.72 mW$
 Flux of emitted photons($\mu mol/s$): 0.34945 Flu. and blue light ratio: 62.45 Fluorescent eff.: 15.59

Electrical parameters

V = 24.00 V I = 0.2126 A P = 5.102 W PF = 1.000

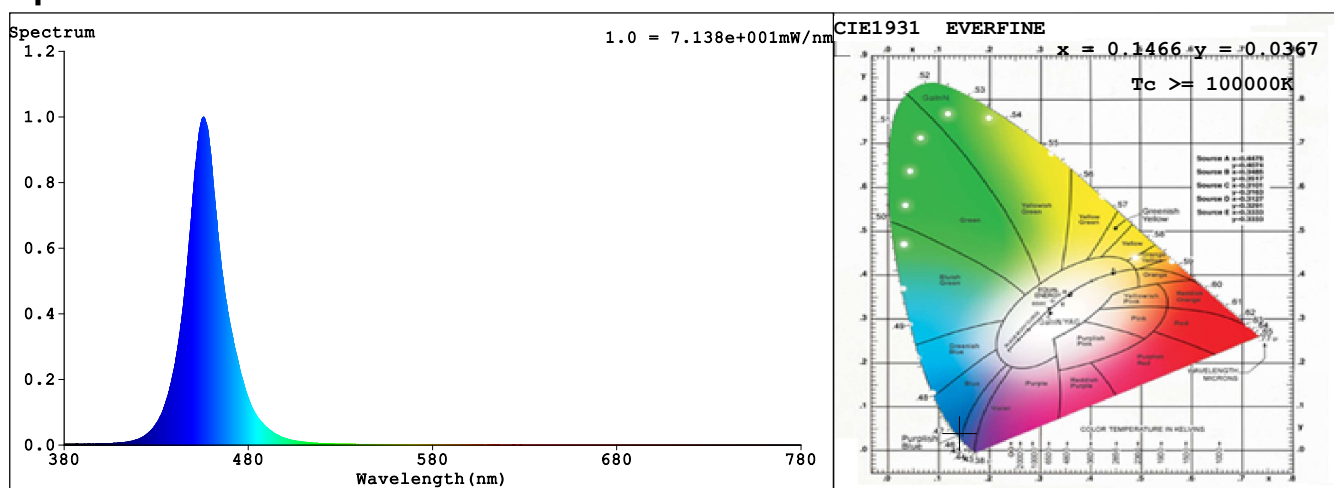
Spectrum Test Report

Sample	:	Date	:	2021-12-27 16:21:20
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	L

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	55678 (85%)
Test Mode	:	Fast Test	T	:	119 ms
			Delicacy	:	Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.1466$ $y = 0.0367$ / $u' = 0.1863$ $v' = 0.1051$ ($duv = -1.96e-01$)
 $T_c \geq 1000000K$ Prcp WL: $\lambda_d = 460.7nm$ Purity=98.0%
 Peak WL: $\lambda_p = 456nm$ Half Width: $\Delta\lambda_p = 20.4nm$ Ratio: R=0.5% G=12.8% B=86.7%

Render Index: $R_a = 0.3$

R1 = 0	R2 = 0	R3 = 0	R4 = 0	R5 = 2	R6 = 0	R7 = 0	
R8 = 0	R9 = 0	R10 = 0	R11 = 0	R12 = 0	R13 = 0	R14 = 0	R15 = 2

Photometric & Radiometric Quantities

Flux = 85.762 lm Eff. : 15.40 lm/W $F_e = 1.8335 W$
 Flux of emitted photons($\mu mol/s$): 0.70103 Flu. and blue light ratio: 0.06667 Fluorescent eff.: 2.059

Electrical parameters

V = 24.00 V I = 0.2320 A P = 5.568 W PF = 1.000