

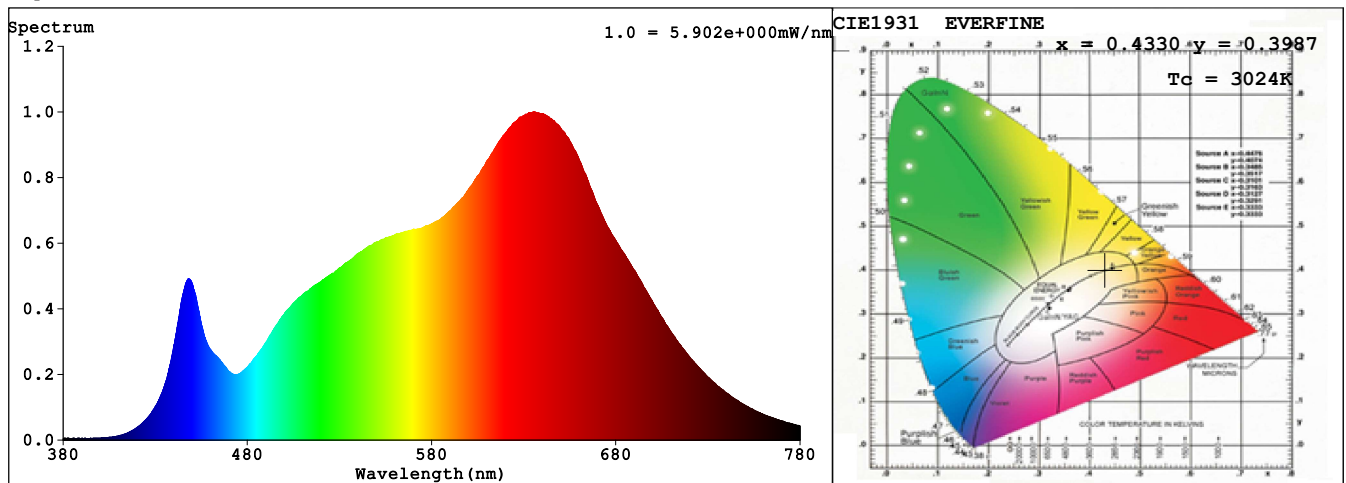
Spectrum Test Report

Sample	:	Date	: 2020-08-12 13:27:52
Specification	:	Sam. Status	:
Sample No.	: #1-WW	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 54600 (83%)
Test Mode	: Fast Test	T	: 1135 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4330$ $y = 0.3987$ / $u' = 0.2503$ $v' = 0.5187$ ($duv = -1.60e-03$)

$T_c = 3024K$ Prcp WL: $\lambda_d = 583.3nm$ Purity=49.6%

Peak WL: $\lambda_p = 636nm$ Half Width: $\Delta\lambda_p = 167.8nm$ Ratio: R=26.6% G=70.7% B=2.7%

Render Index: $R_a = 97.3$

R1 =98	R2 =99	R3 =94	R4 =95	R5 =98	R6 =98	R7 =97	
R8 =98	R9 =99	R10=97	R11=93	R12=92	R13=99	R14=96	R15=98

Photometric & Radiometric Quantities

Flux = 261.90 lm Eff. : 51.58 lm/W Fe = 997.90 mW

Electrical parameters

V = 24.00 V I = 0.2116 A P = 5.078 W PF = 1.000

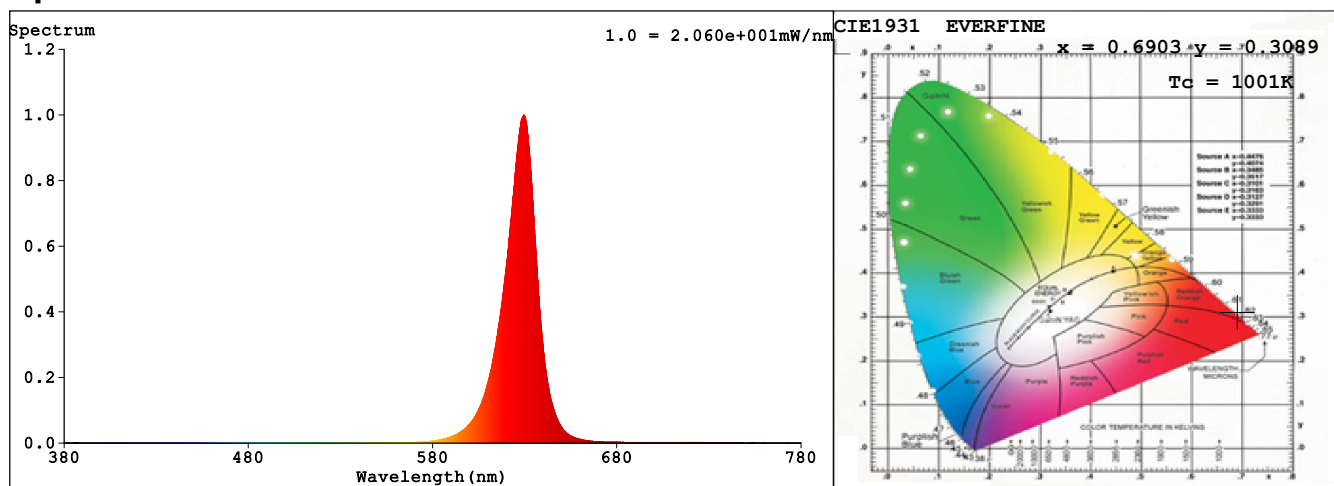
Spectrum Test Report

Sample :	Date :	2020-08-12 13:28:28
Specification :	Sam. Status :	
Sample No. : #1-R	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 47824 (73%)
Test Mode : Fast Test	T : 283 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.6903$ $y = 0.3089$ / $u' = 0.5185$ $v' = 0.5220$ ($duv = -7.09e-02$)
 $T_c = 1001K$ Prcp WL: $\lambda_d = 619.7nm$ Purity=99.8%
 Peak WL: $\lambda_p = 630nm$ Half Width: $\Delta\lambda_p = 17.9nm$ Ratio: R=95.3% G=4.7% B=0.0%

Render Index: $R_a = 28.8$

R1 =11	R2 =79	R3 =34	R4 =0	R5 =6	R6 =91	R7 =10	
R8 =0	R9 =0	R10=73	R11=0	R12=78	R13=33	R14=62	R15=0

Photometric & Radiometric Quantities

Flux = 92.604 lm Eff. : 22.31 lm/W Fe = 434.86 mW

Electrical parameters

V = 24.00 V I = 0.1730 A P = 4.152 W PF = 1.000

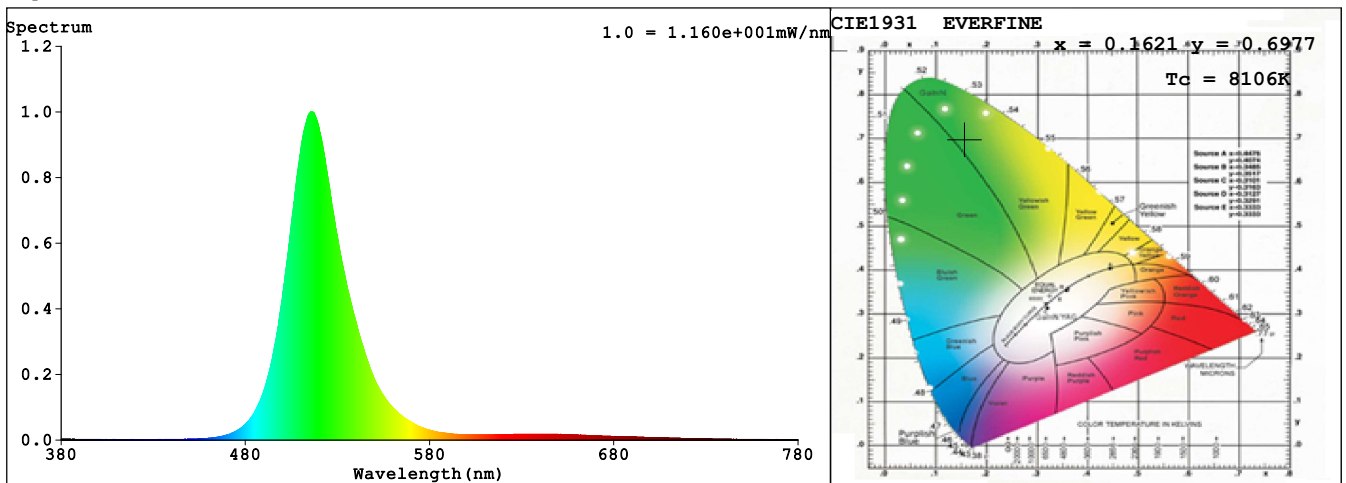
Spectrum Test Report

Sample :	Date :	2020-08-12 13:29:04
Specification :	Sam. Status :	
Sample No. : #1-G	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 56325 (86%)
Test Mode : Fast Test	T : 584 ms
	Delicacy : Low

Spectrum



Colorimetric Quantities

Chromaticity Coordinate: $x = 0.1621$ $y = 0.6977$ / $u' = 0.0587$ $v' = 0.5684$ ($duv=1.56e-01$)

$T_c = 8106K$ Prcp WL: $\lambda_d = 523.2nm$ Purity=73.2%

Peak WL: $\lambda_p = 516nm$ Half Width: $\Delta\lambda_p = 32.4nm$ Ratio: R=1.3% G=96.3% B=2.5%

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=42 R15=0

Photometric & Radiometric Quantities

Flux = 199.58 lm Eff. : 42.52 lm/W Fe = 457.09 mW

Electrical parameters

V = 24.00 V I = 0.1956 A P = 4.694 W PF = 1.000

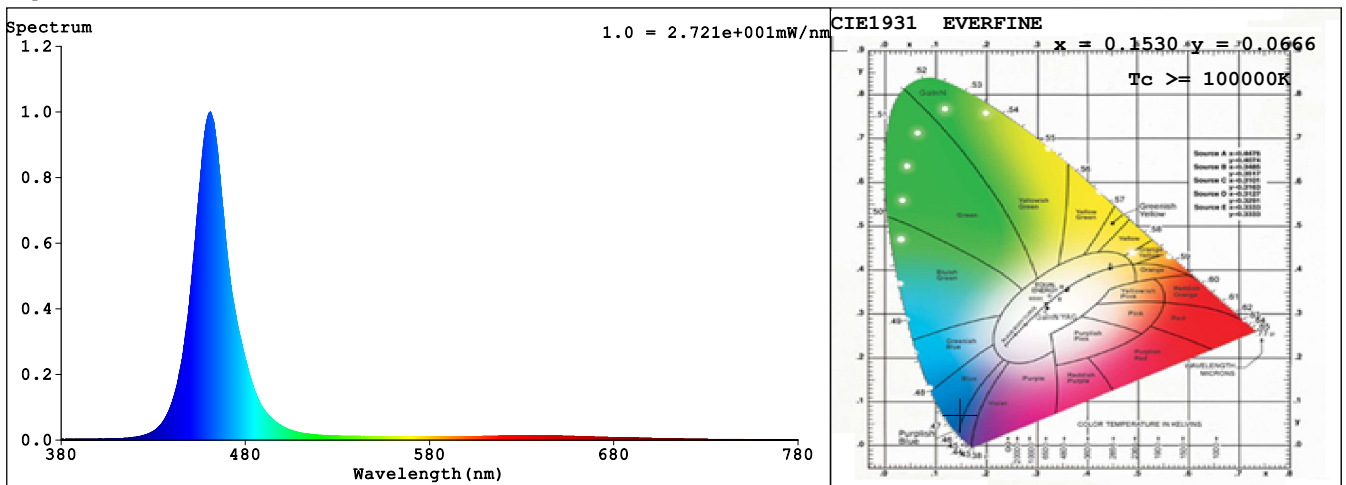
Spectrum Test Report

Sample :	Date :	2020-08-12 13:29:44
Specification :	Sam. Status :	
Sample No. : #1-B	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 50970 (78%)
Test Mode : Fast Test	T : 292 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.1530$ $y = 0.0666$ / $u' = 0.1752$ $v' = 0.1717$ ($duv=1.52e-01$)

$T_c \geq 100000K$ Prcp WL: $\lambda_d=465.1nm$ Purity=91.0%

Peak WL: $\lambda_p=461nm$ Half Width: $\Delta\lambda_p=20.4nm$ Ratio: R=7.5% G=32.1% B=60.4%

Render Index: $R_a = 17.1$

R1 =68	R2 =0	R3 =0	R4 =0	R5 =69	R6 =0	R7 =0	
R8 =0	R9 =18	R10=0	R11=0	R12=0	R13=27	R14=0	R15=55

Photometric & Radiometric Quantities

Flux = 56.619 lm Eff. : 12.39 lm/W Fe = 738.43 mW

Electrical parameters

V = 24.00 V I = 0.1904 A P = 4.569 W PF = 1.000

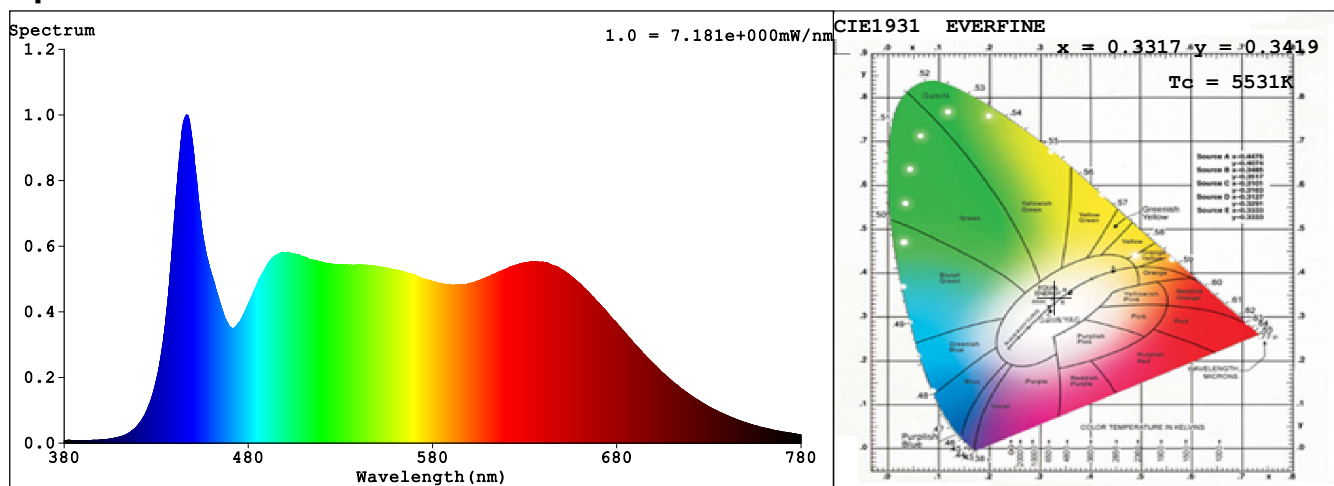
Spectrum Test Report

Sample :	Date :	2020-08-12 13:17:07
Specification :	Sam. Status :	
Sample No. : #1-CW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 53933 (82%)
Test Mode : Fast Test	T : 1353 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3317$ $y = 0.3419$ / $u' = 0.2060$ $v' = 0.4779$ ($duv=7.60e-04$)
 $T_c = 5531K$ Prcp WL: $\lambda_d = 543.8nm$ Purity=2.1%
 Peak WL: $\lambda_p = 446nm$ Half Width: $\Delta\lambda_p = 23.5nm$ Ratio: R=18.5% G=75.6% B=5.9%

Render Index: $R_a = 96.2$

R1 =96	R2 =99	R3 =97	R4 =94	R5 =96	R6 =98	R7 =97	
R8 =93	R9 =82	R10=97	R11=91	R12=91	R13=97	R14=98	R15=94

Photometric & Radiometric Quantities

Flux = 267.39 lm Eff. : 60.26 lm/W Fe = 1.0284 W

Electrical parameters

V = 24.00 V I = 0.1849 A P = 4.437 W PF = 1.000

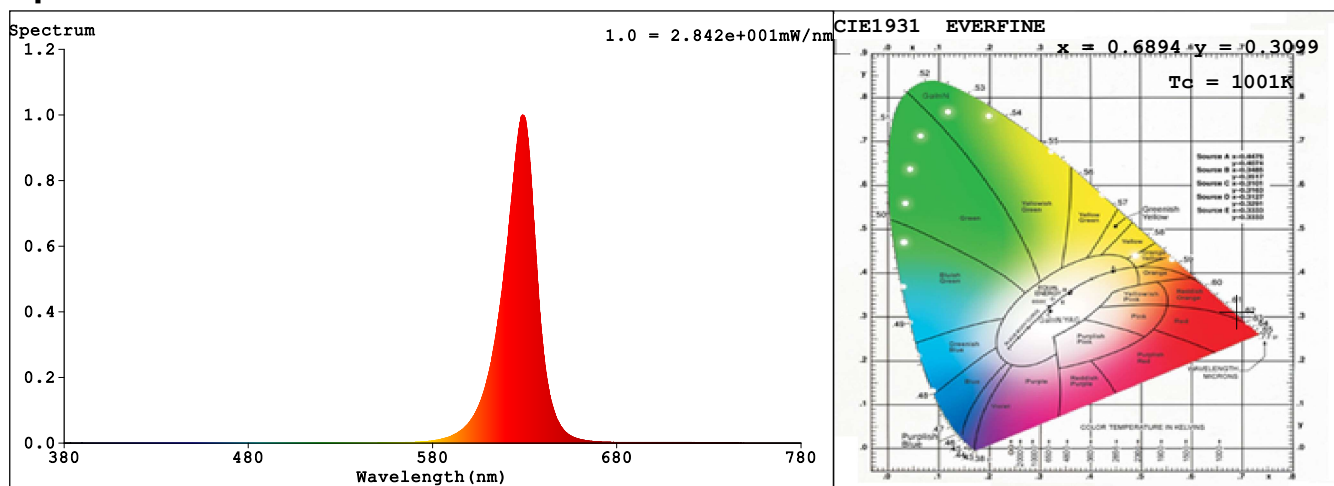
Spectrum Test Report

Sample :	Date :	2020-08-12 13:17:47
Specification :	Sam. Status :	
Sample No. : #1-R	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 53200 (81%)
Test Mode : Fast Test	T : 228 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.6894$ $y = 0.3099$ / $u' = 0.5165$ $v' = 0.5223$ ($duv = -6.89e-02$)
 $T_c = 1001K$ Prcp WL: $\lambda_d = 619.3nm$ Purity=99.8%
 Peak WL: $\lambda_p = 629nm$ Half Width: $\Delta\lambda_p = 18.4nm$ Ratio: R=95.1% G=4.9% B=0.0%

Render Index: Ra = 29.0

R1 =11	R2 =79	R3 =34	R4 =0	R5 =7	R6 =91	R7 =10	
R8 =0	R9 =0	R10=73	R11=0	R12=78	R13=33	R14=62	R15=0

Photometric & Radiometric Quantities

Flux = 133.06 lm Eff. : 32.05 lm/W Fe = 614.64 mW

Electrical parameters

V = 24.00 V I = 0.1730 A P = 4.152 W PF = 1.000

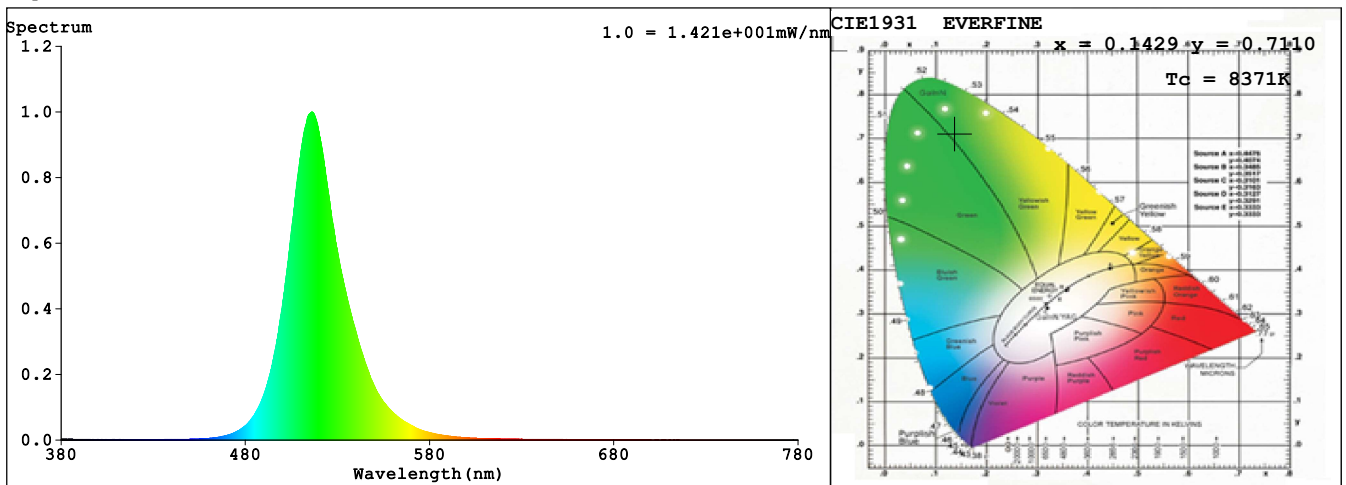
Spectrum Test Report

Sample :	Date :	2020-08-12 13:18:23
Specification :	Sam. Status :	
Sample No. : #1-G	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature :	Deg	RH :	%
WL Range :	380nm-780nm	IP :	56265 (86%)
Test Mode :	Fast Test	T :	476 ms
		Delicacy :	Low

Spectrum



Colorimetric Quantities

Chromaticity Coordinate: $x = 0.1429$ $y = 0.7110$ / $u' = 0.0508$ $v' = 0.5690$ ($duv=1.64e-01$)

$T_c = 8371K$ Prcp WL: $\lambda_d = 520.8nm$ Purity=75.4%

Peak WL: $\lambda_p = 516nm$ Half Width: $\Delta\lambda_p = 30.4nm$ Ratio: R=0.3% G=97.2% B=2.5%

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=39 R15=0

Photometric & Radiometric Quantities

Flux = 227.78 lm Eff. : 64.00 lm/W Fe = 510.61 mW

Electrical parameters

V = 24.00 V I = 0.1483 A P = 3.559 W PF = 1.000

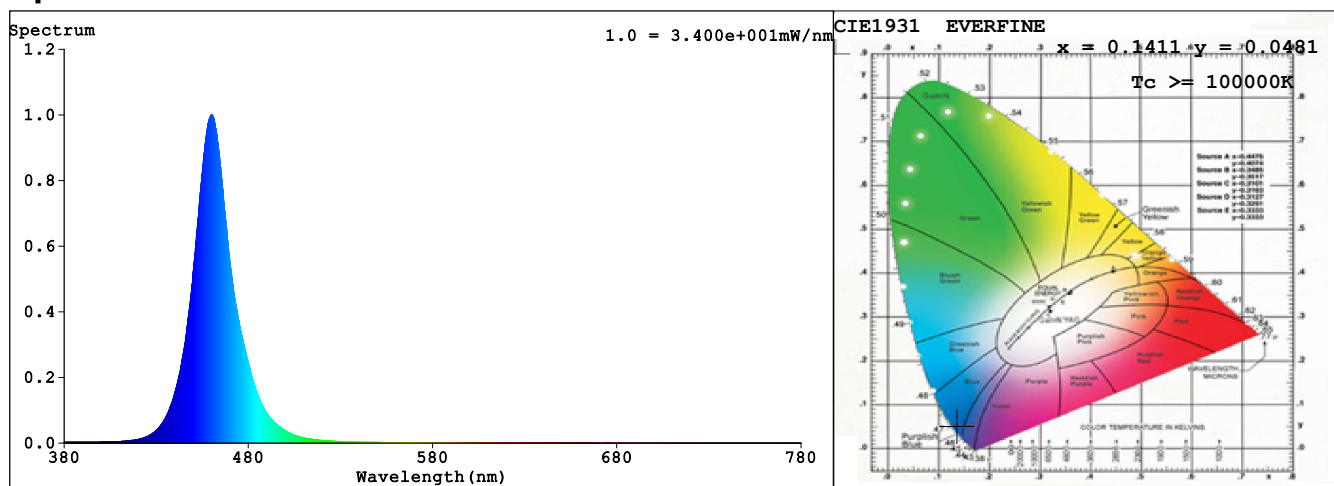
Spectrum Test Report

Sample	:	Date	: 2020-08-12 13:18:59
Specification	:	Sam. Status	:
Sample No.	: #1-B	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 51611 (79%)
Test Mode	: Fast Test	T	: 238 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.1411$ $y = 0.0481$ / $u' = 0.1714$ $v' = 0.1313$ ($duv=1.79e-01$)
 $T_c \geq 1000000K$ Prcp WL: $\lambda_d = 464.9nm$ Purity=97.2%
 Peak WL: $\lambda_p = 460nm$ Half Width: $\Delta\lambda_p = 21.5nm$ Ratio: R=0.6% G=16.3% B=83.0%

Render Index: $R_a = 0.5$

R1 =0	R2 =0	R3 =0	R4 =0	R5 =4	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=0	R14=0	R15=3

Photometric & Radiometric Quantities

Flux = 51.810 lm Eff. : 13.06 lm/W Fe = 896.27 mW

Electrical parameters

V = 24.00 V I = 0.1653 A P = 3.967 W PF = 1.000