

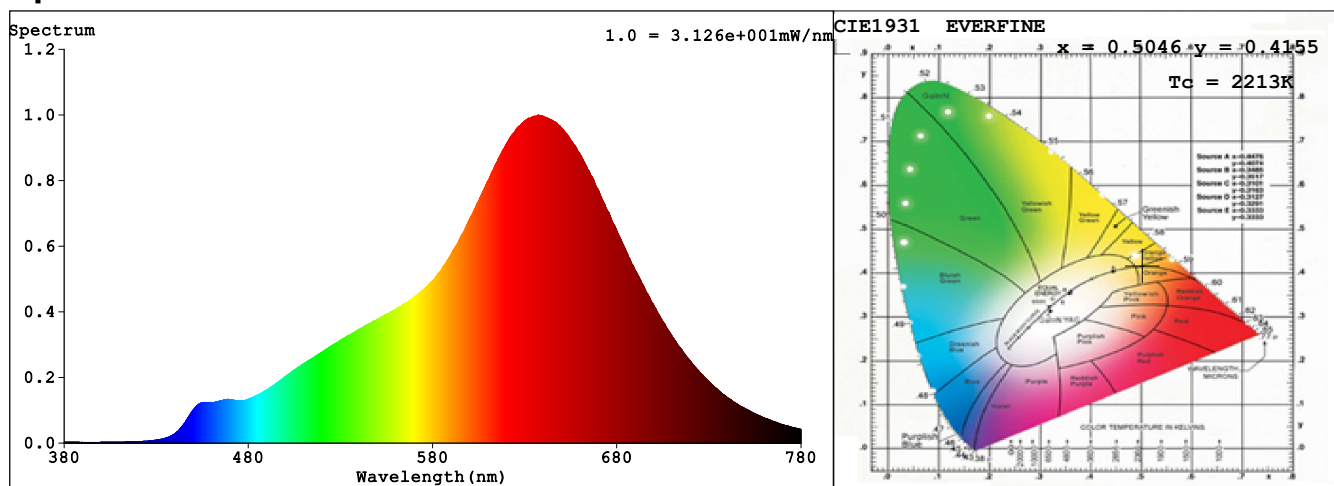
Spectrum Test Report

Sample	:	Date	:	2019-03-18 10:06:41
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	L

Test Condition

Temperature	:	Deg	RH	:	%
WL Range	:	380nm-780nm	IP	:	55919 (85%)
Test Mode	:	Fast Test	T	:	219 ms
			Delicacy	:	Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.5046$ $y = 0.4155$ / $u' = 0.2893$ $v' = 0.5360$ ($duv=8.68e-05$)
 $T_c = 2213K$ Prcp WL: $\lambda_d = 587.2nm$ Purity=76.2%
 Peak WL: $\lambda_p = 637nm$ Half Width: $\Delta\lambda_p = 111.9nm$ Ratio:R=34.5% G=63.7% B=1.8%

Render Index: $R_a = 95.3$

R1 =96	R2 =97	R3 =99	R4 =95	R5 =94	R6 =91	R7 =96	
R8 =96	R9 =91	R10=94	R11=89	R12=86	R13=95	R14=98	R15=99

Photometric & Radiometric Quantities

Flux = 1055.0 lm Eff. : 58.33 lm/W $F_e = 4.4121 W$

Electrical parameters

$V = 24.00 V$ $I = 0.7536 A$ $P = 18.08 W$ PF = 1.000

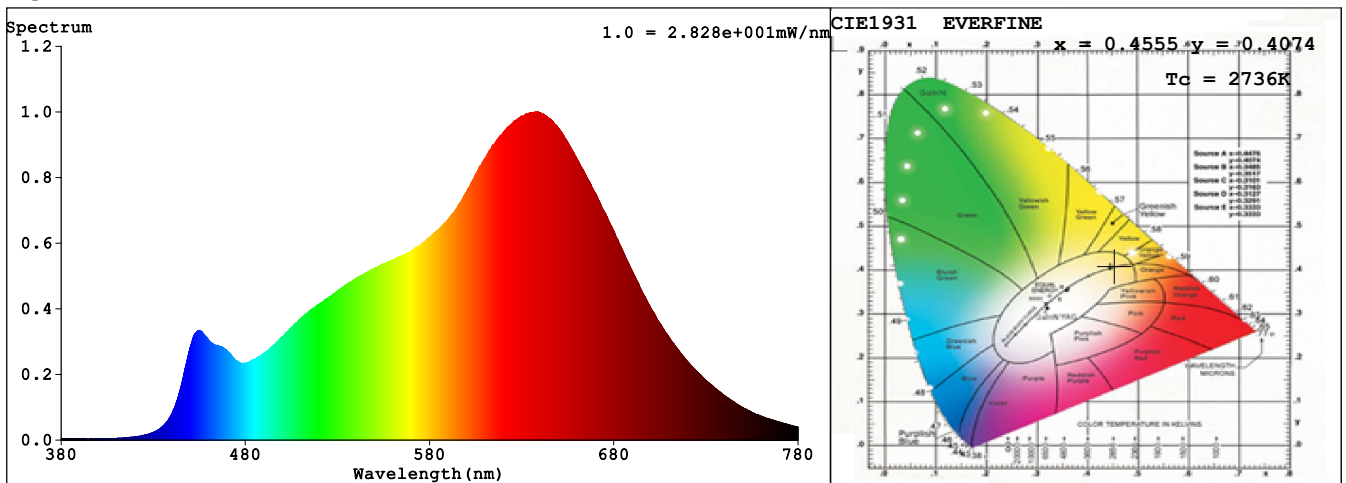
Spectrum Test Report

Sample	:	Date	: 2018-05-17 11:09:03
Specification	:	Sam. Status	:
Sample No.	: 灯条-2	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 55887 (85%)
Test Mode	: Fast Test	T	: 221 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4555$ $y = 0.4074$ / $u' = 0.2611$ $v' = 0.5255$ ($duv = -8.33e-04$)
 $T_c = 2736K$ Prcp WL: $\lambda_d = 584.3nm$ Purity=59.0%
 Peak WL: $\lambda_p = 639nm$ Half Width: $\Delta\lambda_p = 148.9nm$ Ratio: R=28.9% G=68.4% B=2.7%

Render Index: Ra = 96.8

R1 =96	R2 =97	R3 =99	R4 =97	R5 =96	R6 =94	R7 =97	
R8 =98	R9 =97	R10=96	R11=94	R12=86	R13=96	R14=98	R15=98

Photometric & Radiometric Quantities

Flux = 1186.5 lm Eff. : 66.27 lm/W Fe = 4.5894 W
 Flux of emitted photons($\mu mol/s$):2.3191 Flu. and blue light ratio:14.31 Fluorescent eff.:23.97

Electrical parameters

V = 24.00 V I = 0.7460 A P = 17.90 W PF = 1.000

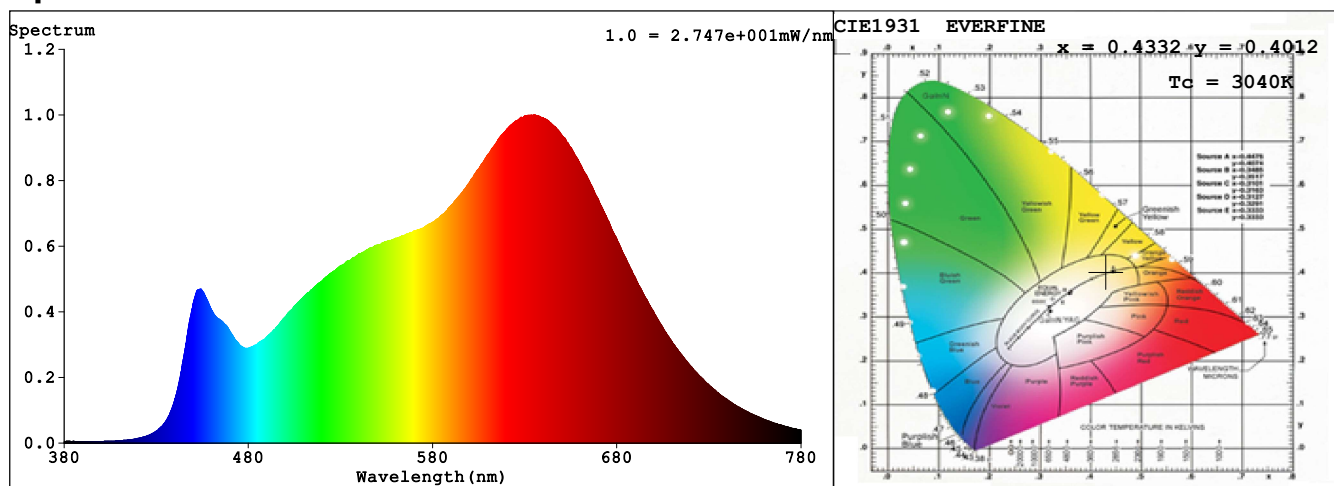
Spectrum Test Report

Sample :	Date :	2020-01-15 11:25:06
Specification :	Sam. Status :	
Sample No. : #2	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 58087 (89%)
Test Mode : Fast Test	T : 249 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4332$ $y = 0.4012$ / $u' = 0.2494$ $v' = 0.5197$ ($duv = -6.45e-04$)
 $T_c = 3040K$ Prcp WL: $\lambda_d = 582.9nm$ Purity=50.4%
 Peak WL: $\lambda_p = 635nm$ Half Width: $\Delta\lambda_p = 169.3nm$ Ratio: R=26.6% G=70.3% B=3.1%

Render Index: $R_a = 97.5$

R1 =97	R2 =98	R3 =98	R4 =98	R5 =97	R6 =96	R7 =97	
R8 =98	R9 =98	R10=98	R11=96	R12=85	R13=97	R14=98	R15=98

Photometric & Radiometric Quantities

Flux = 1276.0 lm Eff. : 71.96 lm/W $F_e = 4.7962 W$
 Flux of emitted photons($\mu mol/s$):2.3948 Fluo. and blue light ratio:10.91 Fluorescent eff.:24.78

Electrical parameters

V = 24.00 V I = 0.7389 A P = 17.73 W PF = 1.000

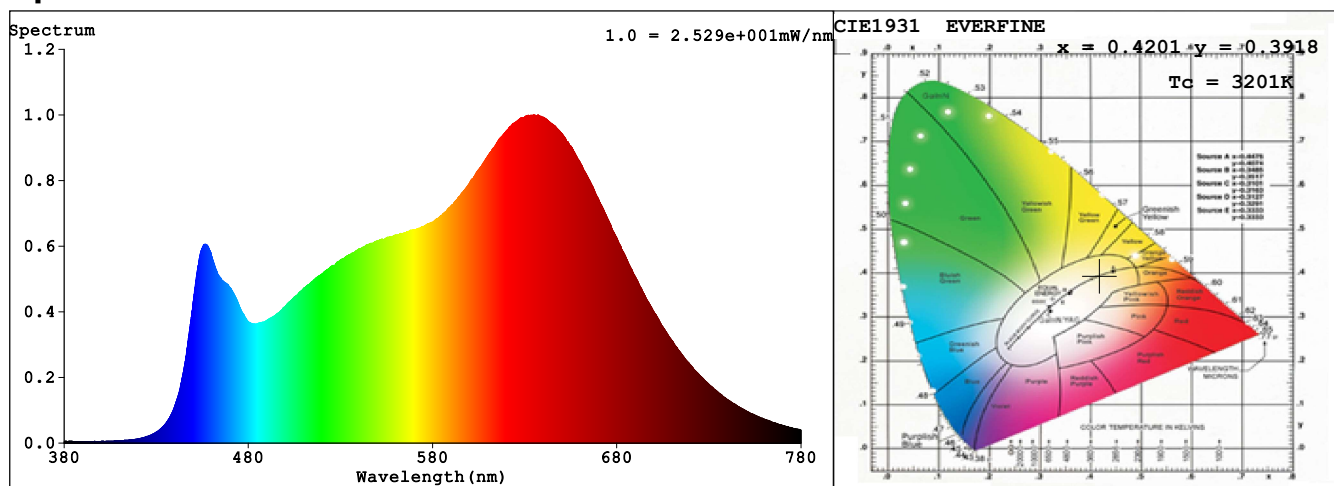
Spectrum Test Report

Sample :	Date :	2020-03-09 13:22:45
Specification :	Sam. Status :	
Sample No. : #2-WW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 47903 (73%)
Test Mode : Fast Test	T : 223 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4201$ $y = 0.3918$ / $u' = 0.2449$ $v' = 0.5139$ ($duv = -2.47e-03$)
 $T_c = 3201K$ Prcp WL: $\lambda_d = 583.0nm$ Purity=43.7%
 Peak WL: $\lambda_p = 635nm$ Half Width: $\Delta\lambda_p = 174.5nm$ Ratio: R=26.0% G=70.3% B=3.7%

Render Index: $R_a = 95.2$

R1 =94	R2 =95	R3 =99	R4 =96	R5 =94	R6 =92	R7 =95	
R8 =96	R9 =92	R10=91	R11=95	R12=81	R13=94	R14=99	R15=94

Photometric & Radiometric Quantities

Flux = 1318.1 lm Eff. : 77.47 lm/W Fe = 5.0170 W

Electrical parameters

V = 24.00 V I = 0.7090 A P = 17.01 W PF = 1.000

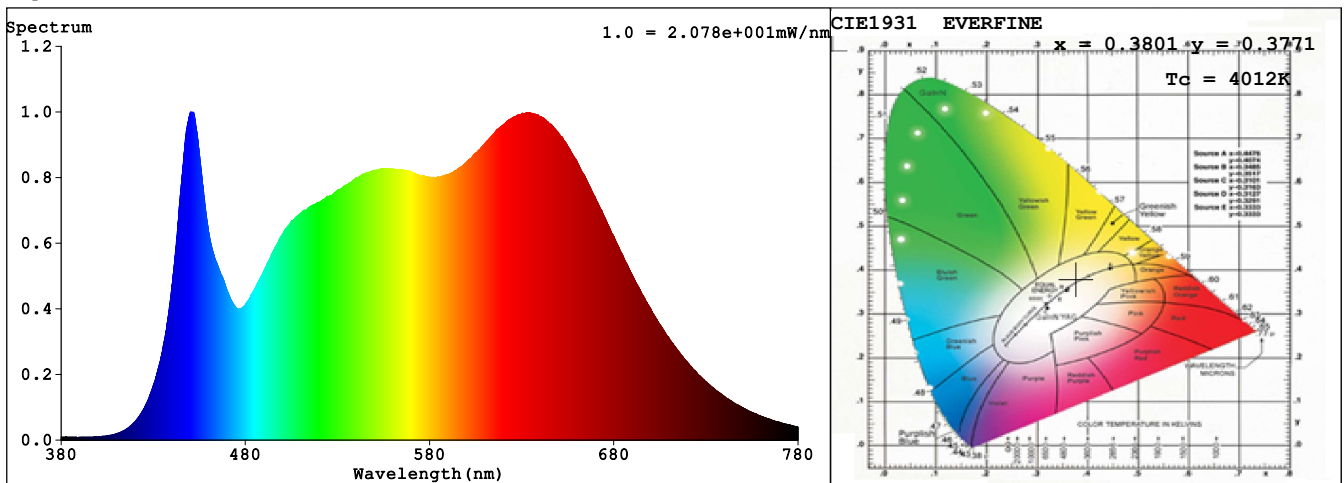
Spectrum Test Report

Sample	:	Date	: 2020-01-15 12:53:51
Specification	:	Sam. Status	:
Sample No.	: #1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 55990 (85%)
Test Mode	: Fast Test	T	: 318 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3801$ $y = 0.3771$ / $u' = 0.2247$ $v' = 0.5017$ ($duv=2.51e-04$)

$T_c = 4012K$ Prcp WL: $\lambda_d = 578.9nm$ Purity=27.2%

Peak WL: $\lambda_p = 450nm$ Half Width: $\Delta\lambda_p = 26.5nm$ Ratio: R=21.8% G=74.3% B=4.0%

Render Index: $R_a = 97.9$

R1 =99	R2 =99	R3 =95	R4 =98	R5 =99	R6 =96	R7 =99	
R8 =98	R9 =98	R10=95	R11=97	R12=80	R13=99	R14=96	R15=98

Photometric & Radiometric Quantities

Flux = 1203.8 lm Eff. : 77.16 lm/W $F_e = 4.4143 W$

Flux of emitted photons($\mu mol/s$):2.14 Fluo. and blue light ratio:6.409 Fluorescent eff.:24.48

Electrical parameters

V = 24.00 V I = 0.6501 A P = 15.60 W PF = 1.000

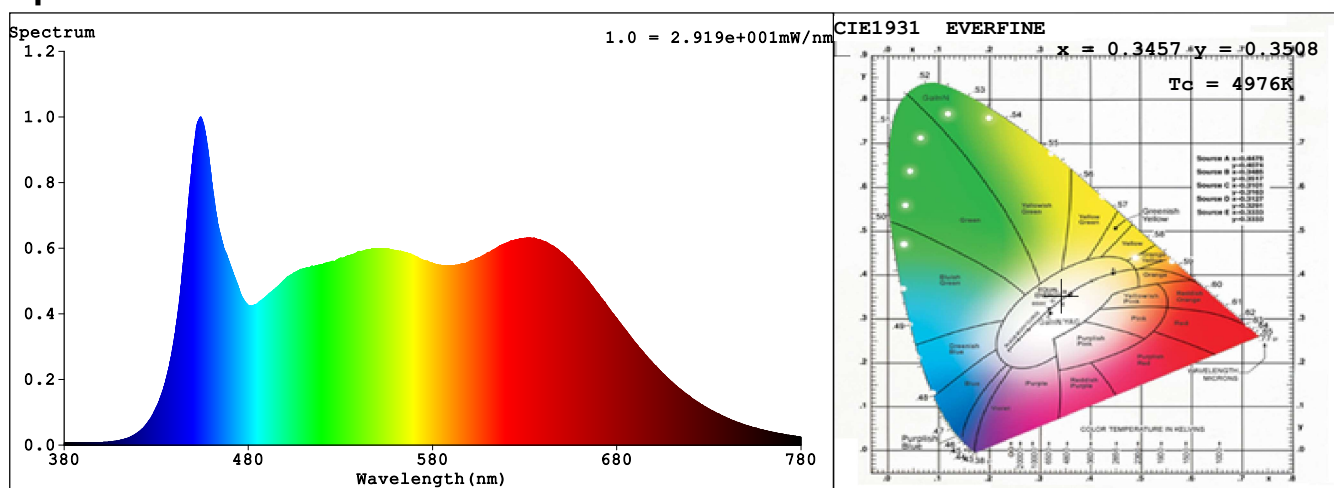
Spectrum Test Report

Sample :	Date :	2020-01-15 11:11:33
Specification :	Sam. Status :	
Sample No. : #2	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 56686 (86%)
Test Mode : Fast Test	T : 309 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3457$ $y = 0.3508$ / $u' = 0.2121$ $v' = 0.4844$ ($duv = -6.28e-04$)
 $T_c = 4976K$ Prcp WL: $\lambda_d = 573.8nm$ Purity=9.0%
 Peak WL: $\lambda_p = 454nm$ Half Width: $\Delta\lambda_p = 29.6nm$ Ratio: R=19.5% G=75.1% B=5.4%

Render Index: Ra = 96.7

R1 =97	R2 =98	R3 =98	R4 =96	R5 =96	R6 =96	R7 =96	
R8 =95	R9 =90	R10=99	R11=99	R12=73	R13=97	R14=99	R15=94

Photometric & Radiometric Quantities

Flux = 1211.7 lm Eff. : 77.07 lm/W Fe = 4.5148 W
 Flux of emitted photons($\mu mol/s$):2.1432 Fluo. and blue light ratio:4.057 Fluorescent eff.:23.05

Electrical parameters

V = 24.00 V I = 0.6551 A P = 15.72 W PF = 1.000

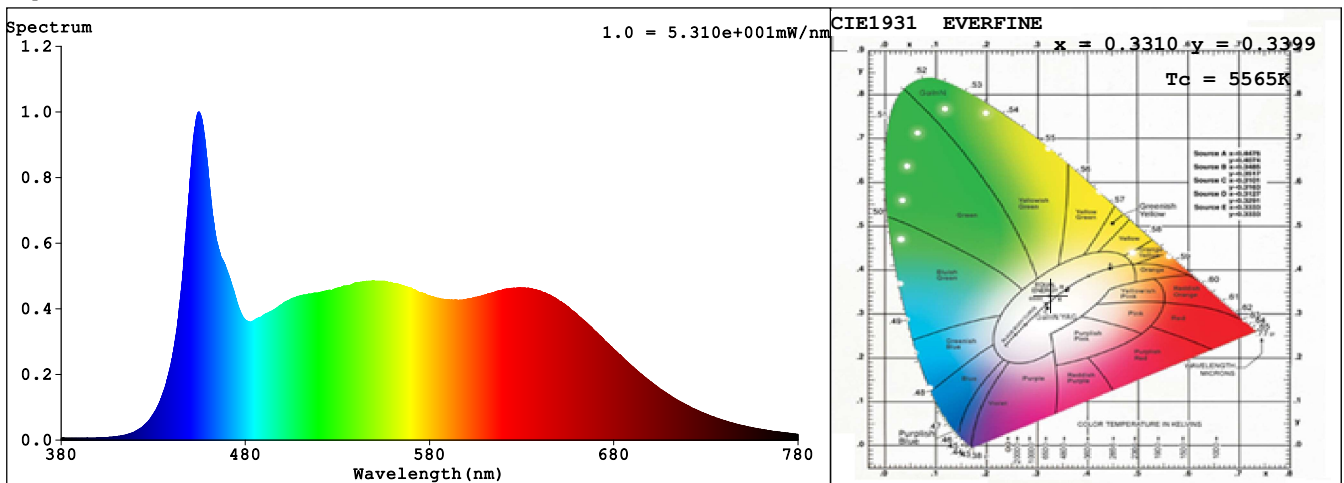
Spectrum Test Report

Sample	:	Date	: 2020-04-10 09:35:12
Specification	:	Sam. Status	:
Sample No.	: #1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 55679 (85%)
Test Mode	: Fast Test	T	: 168 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3310$ $y = 0.3399$ / $u' = 0.2063$ $v' = 0.4767$ ($duv=8.84e-05$)

$T_c = 5565K$ Prcp WL: $\lambda_d = 531.4nm$ Purity=1.4%

Peak WL: $\lambda_p = 455nm$ Half Width: $\Delta\lambda_p = 25.1nm$ Ratio: R=18.3% G=75.7% B=6.0%

Render Index: $R_a = 96.4$

R1 =97	R2 =98	R3 =98	R4 =96	R5 =96	R6 =95	R7 =96	
R8 =96	R9 =93	R10=98	R11=98	R12=73	R13=98	R14=99	R15=95

Photometric & Radiometric Quantities

Flux = 1758.8 lm Eff. : 114.50 lm/W Fe = 6.5417 W

Electrical parameters

V = 24.00 V I = 0.6401 A P = 15.36 W PF = 1.000

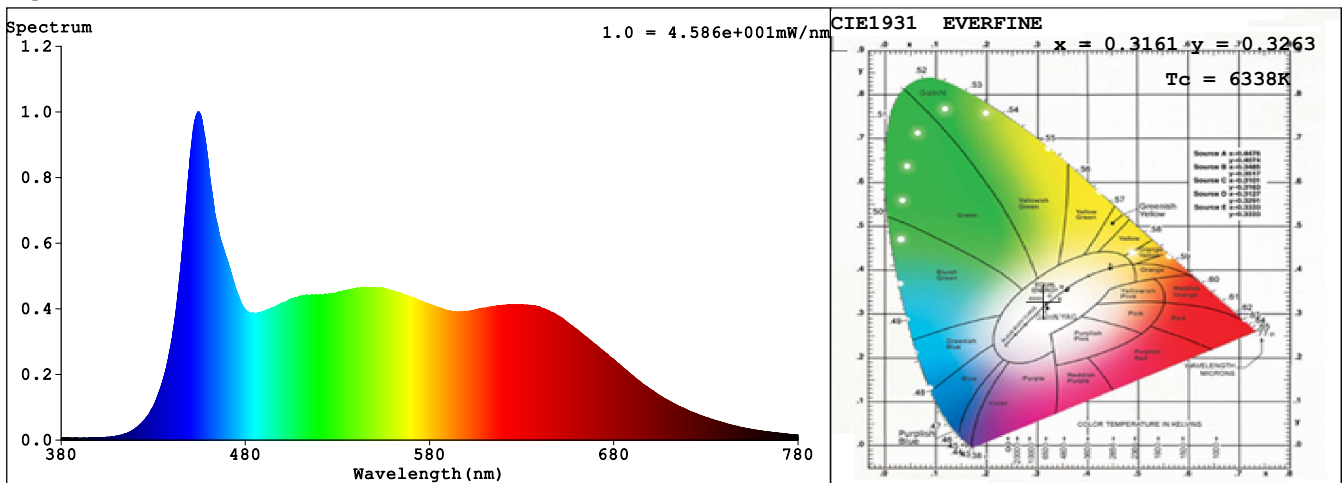
Spectrum Test Report

Sample :	Date :	2018-06-12 10:38:18
Specification :	Sam. Status :	
Sample No. : 1803023灯条5	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 55160 (84%)
Test Mode : Fast Test	T : 182 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3161$ $y = 0.3263$ / $u' = 0.2012$ $v' = 0.4674$ ($duv=9.62e-05$)

$T_c = 6338K$ Prcp WL: $\lambda_d = 486.3nm$ Purity=6.4%

Peak WL: $\lambda_p = 454nm$ Half Width: $\Delta\lambda_p = 28.2nm$ Ratio: R=17.3% G=76.1% B=6.6%

Render Index: $R_a = 95.9$

R1 =96	R2 =98	R3 =98	R4 =95	R5 =95	R6 =95	R7 =95	
R8 =95	R9 =91	R10=97	R11=97	R12=72	R13=97	R14=99	R15=94

Photometric & Radiometric Quantities

Flux = 1448.5 lm Eff. : 78.63 lm/W $F_e = 5.4611 W$

Flux of emitted photons($\mu mol/s$):2.5359 Fluo. and blue light ratio:2.796 Fluorescent eff.:21.84

Electrical parameters

V = 24.00 V I = 0.7676 A P = 18.42 W PF = 1.000