

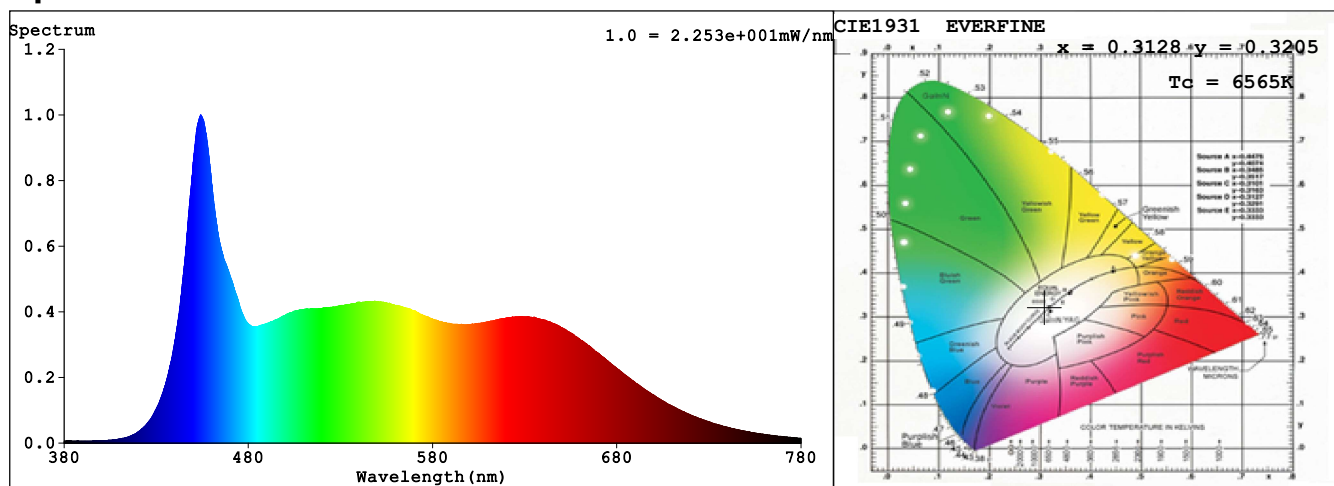
Spectrum Test Report

Sample :	Date :	2020-01-15 13:16:32
Specification :	Sam. Status :	
Sample No. : #1-CW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 48382 (74%)
Test Mode : Fast Test	T : 341 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3128$ $y = 0.3205$ / $u' = 0.2012$ $v' = 0.4637$ ($duv = -1.29e-03$)
 $T_c = 6565K$ Prcp WL: $\lambda_d = 483.2nm$ Purity=8.0%
 Peak WL: $\lambda_p = 454nm$ Half Width: $\Delta\lambda_p = 26.2nm$ Ratio: R=17.2% G=76.0% B=6.7%

Render Index: $R_a = 95.6$

R1 =95	R2 =97	R3 =98	R4 =96	R5 =95	R6 =94	R7 =96	
R8 =94	R9 =84	R10=97	R11=98	R12=72	R13=96	R14=98	R15=92

Photometric & Radiometric Quantities

Flux = 659.18 lm Eff. : 85.80 lm/W $F_e = 2.5176 W$
 Flux of emitted photons($\mu mol/s$):1.167 Flu. and blue light ratio:2.795 Fluorescent eff.:24.15

Electrical parameters

V = 12.00 V I = 0.6403 A P = 7.682 W PF = 1.000

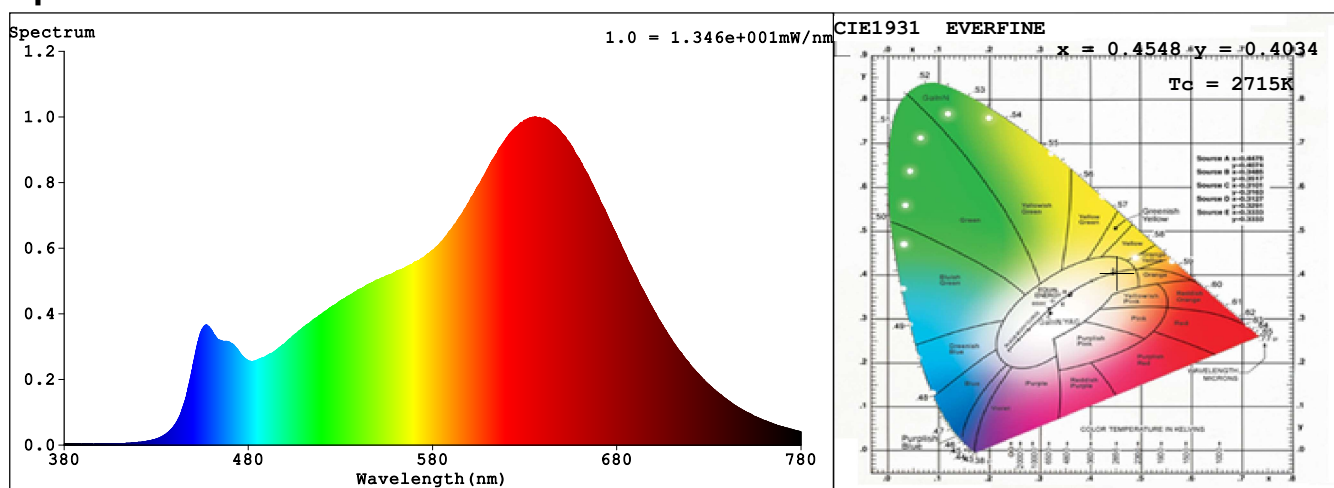
Spectrum Test Report

Sample	:	Date	: 2020-01-15 13:17:18
Specification	:	Sam. Status	:
Sample No.	: #1-WW	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 56063 (86%)
Test Mode	: Fast Test	T	: 492 ms
		Delicacy	: Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4548$ $y = 0.4034$ / $u' = 0.2625$ $v' = 0.5238$ ($duv = -2.28e-03$)
 $T_c = 2715K$ Prcp WL: $\lambda_d = 584.9nm$ Purity=57.6%
 Peak WL: $\lambda_p = 636nm$ Half Width: $\Delta\lambda_p = 142.9nm$ Ratio: R=29.4% G=67.7% B=2.9%

Render Index: $R_a = 95.0$

R1 =94	R2 =95	R3 =98	R4 =96	R5 =94	R6 =91	R7 =96	
R8 =97	R9 =96	R10=91	R11=93	R12=82	R13=93	R14=99	R15=96

Photometric & Radiometric Quantities

Flux = 551.24 lm Eff. : 71.32 lm/W $F_e = 2.1728 W$
 Flux of emitted photons($\mu mol/s$):1.0988 Fluo. and blue light ratio:12.54 Fluorescent eff.:26.04

Electrical parameters

$V = 12.00 V$ $I = 0.6442 A$ $P = 7.729 W$ PF = 1.000

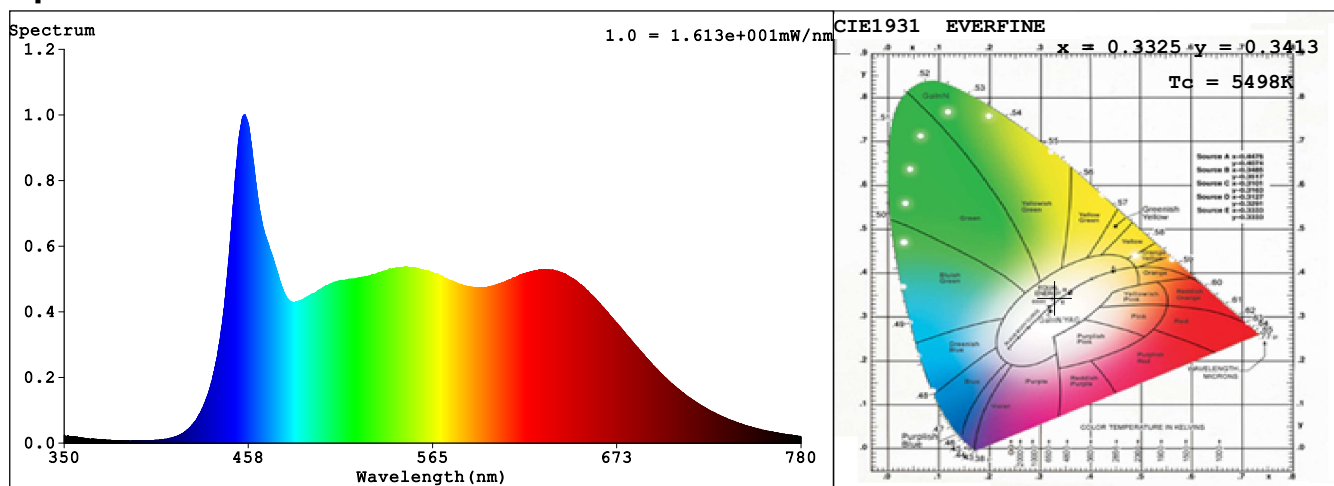
Spectrum Test Report

Sample :	Date :	2019-07-11 13:05:19
Specification :	Sam. Status :	
Sample No. : #1-CW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 350nm-780nm	IP : 55087 (84%)
Test Mode : Fast Test	T : 534 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.3325$ $y = 0.3413$ / $u' = 0.2068$ $v' = 0.4777$ ($duv=1.07e-04$)
 $T_c = 5498K$ Prcp WL: $\lambda_d = 548.9nm$ Purity=2.2%
 Peak WL: $\lambda_p = 455nm$ Half Width: $\Delta\lambda_p = 30.4nm$ Ratio: R=18.5% G=75.3% B=6.1%

Render Index: $R_a = 96.0$

R1 =96	R2 =97	R3 =99	R4 =96	R5 =95	R6 =95	R7 =95	
R8 =95	R9 =88	R10=95	R11=98	R12=76	R13=96	R14=99	R15=93

Photometric & Radiometric Quantities

Flux = 595.31 lm Eff. : 79.86 lm/W $F_e = 2.2375 W$
 Flux of emitted photons($\mu mol/s$): 1.0515 Fluo. and blue light ratio: 3.362 Fluorescent eff.: 23.14

Electrical parameters

V = 12.00 V I = 0.6213 A P = 7.454 W PF = 1.000

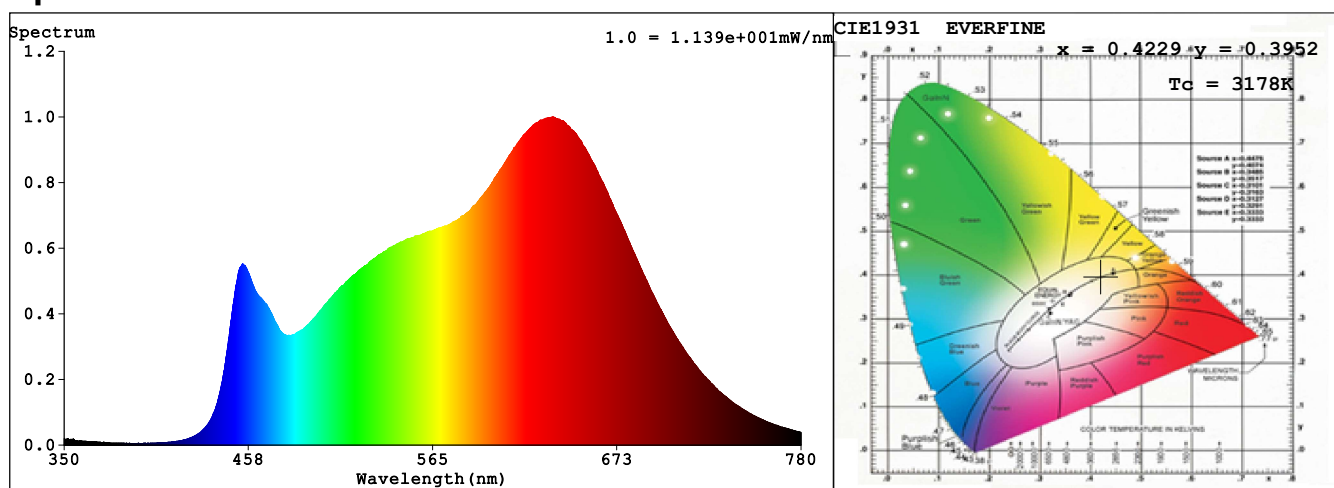
Spectrum Test Report

Sample :	Date :	2019-07-11 13:05:57
Specification :	Sam. Status :	
Sample No. : #1-WW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

Test Condition

Temperature : Deg	RH : %
WL Range : 350nm-780nm	IP : 51586 (79%)
Test Mode : Fast Test	T : 534 ms
	Delicacy : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Quantities

Chromaticity Coordinate: $x = 0.4229$ $y = 0.3952$ / $u' = 0.2453$ $v' = 0.5158$ ($duv = -1.47e-03$)
 $T_c = 3178K$ Prcp WL: $\lambda_d = 582.7nm$ Purity=45.6%
 Peak WL: $\lambda_p = 635nm$ Half Width: $\Delta\lambda_p = 174.8nm$ Ratio: R=25.9% G=70.7% B=3.4%

Render Index: $R_a = 96.9$

R1 =96	R2 =97	R3 =99	R4 =98	R5 =96	R6 =95	R7 =97	
R8 =97	R9 =97	R10=96	R11=96	R12=83	R13=96	R14=98	R15=97

Photometric & Radiometric Quantities

Flux = 544.85 lm Eff. : 72.11 lm/W $F_e = 2.0490 W$
 Flux of emitted photons($\mu mol/s$):1.017 Flu. and blue light ratio:8.644 Fluorescent eff.:24.31

Electrical parameters

V = 12.00 V I = 0.6298 A P = 7.556 W PF = 1.000