

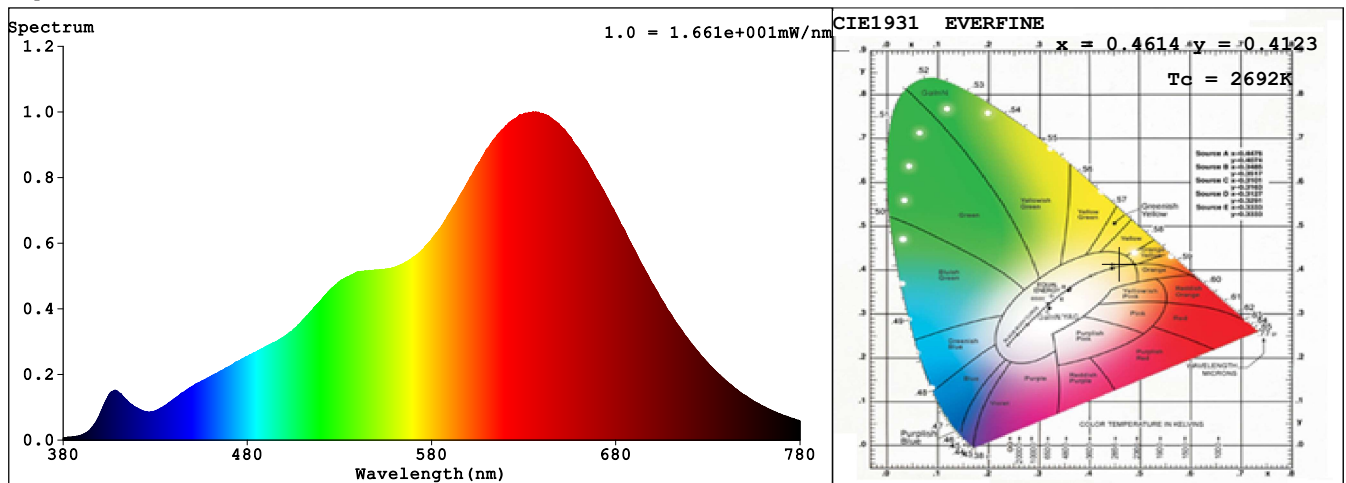
## Spectrum Test Report

Sample	:	Date	: 2020-08-12 13:09:44
Specification	:	Sam. Status	:
Sample No.	: #1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

### Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 59539 (91%)
Test Mode	: Fast Test	T	: 439 ms
		Delicacy	: Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.4614$   $y = 0.4123$  /  $u' = 0.2627$   $v' = 0.5282$  ( $duv=5.00e-04$ )

$T_c = 2692K$  Prcp WL:  $\lambda_d = 584.1nm$  Purity=62.3%

Peak WL:  $\lambda_p = 637nm$  Half Width:  $\Delta\lambda_p = 162.0nm$  Ratio: R=29.3% G=68.1% B=2.6%

Render Index:  $R_a = 96.5$

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

### Photometric & Radiometric Quantities

Flux = 685.76 lm Eff. : 45.76 lm/W  $F_e = 2.7729 W$

### Electrical parameters

$V = 12.00 V$   $I = 1.249 A$   $P = 14.99 W$  PF = 1.000

**EVERFINE**

<http://www.everfine.cn>

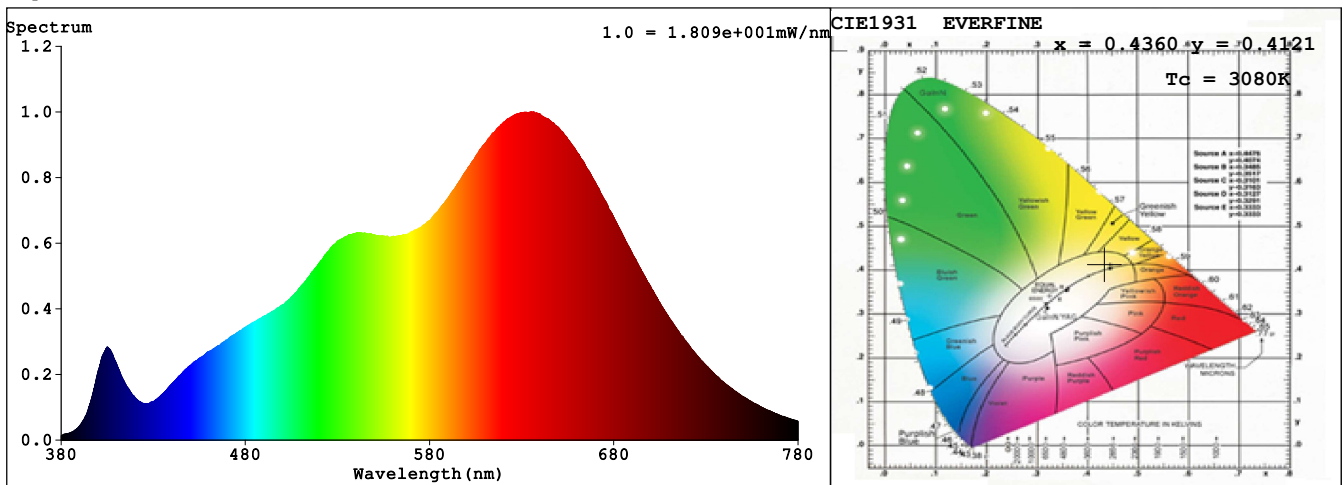
## Spectrum Test Report

Sample :	Date :	2018-10-16 14:36:29
Specification :	Sam. Status :	
Sample No. : ZJG1809009-VF5-1	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 52483 (80%)
Test Mode : Fast Test	T : 57 ms
	Delicacy : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.4360$   $y = 0.4121$  /  $u' = 0.2466$   $v' = 0.5244$  ( $duv=3.30e-03$ )

$T_c = 3080K$  Prcp WL:  $\lambda_d = 581.4nm$  Purity=54.6%

Peak WL:  $\lambda_p = 635nm$  Half Width:  $\Delta\lambda_p = 181.9nm$  Ratio: R=26.3% G=70.7% B=3.0%

Render Index:  $R_a = 97.0$

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

### Photometric & Radiometric Quantities

Flux = 867.28 lm Eff. : 54.09 lm/W  $F_e = 3.3991 W$

### Electrical parameters

V = 12.00 V I = 1.336 A P = 16.03 W PF = 1.000

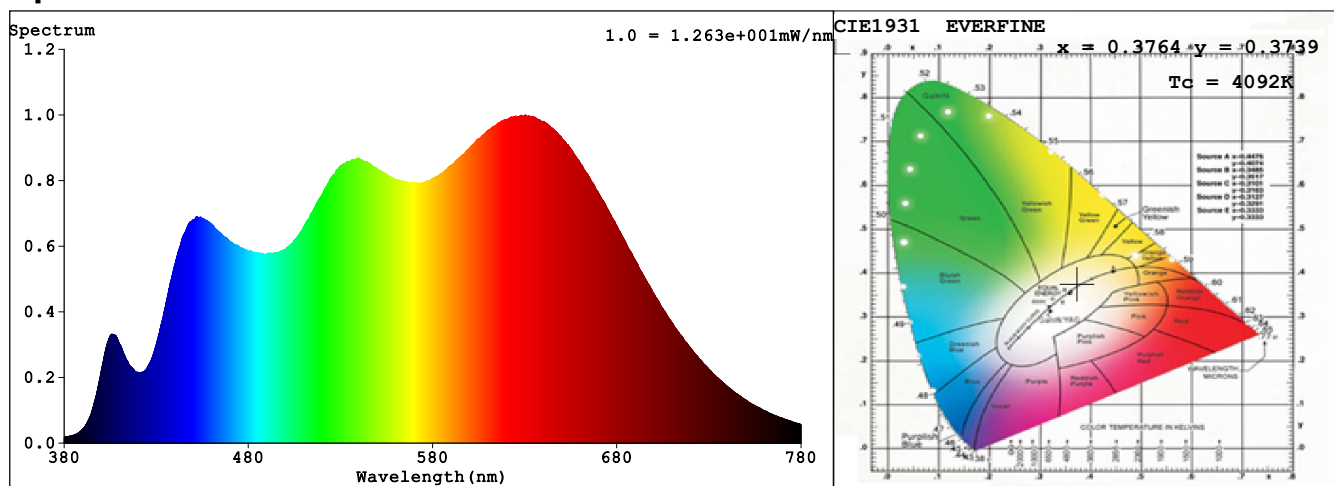
## Spectrum Test Report

Sample :	Date :	2020-08-12 11:17:05
Specification :	Sam. Status :	
Sample No. : #1	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 56807 (87%)
Test Mode : Fast Test	T : 549 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3764$   $y = 0.3739$  /  $u' = 0.2236$   $v' = 0.4997$  ( $duv = -1.55e-04$ )  
 $T_c = 4092K$  Prcp WL:  $\lambda_d = 578.8nm$  Purity=25.1%  
 Peak WL:  $\lambda_p = 630nm$  Half Width:  $\Delta\lambda_p = 257.4nm$  Ratio: R=21.8% G=73.8% B=4.4%

Render Index: Ra = 98.1

R1 =97	R2 =100	R3 =95	R4 =98	R5 =99	R6 =98	R7 =99	
R8 =98	R9 =97	R10=97	R11=97	R12=89	R13=98	R14=96	R15=97

### Photometric & Radiometric Quantities

Flux = 734.54 lm Eff. : 51.56 lm/W Fe = 2.8307 W

### Electrical parameters

V = 12.00 V I = 1.188 A P = 14.25 W PF = 1.000

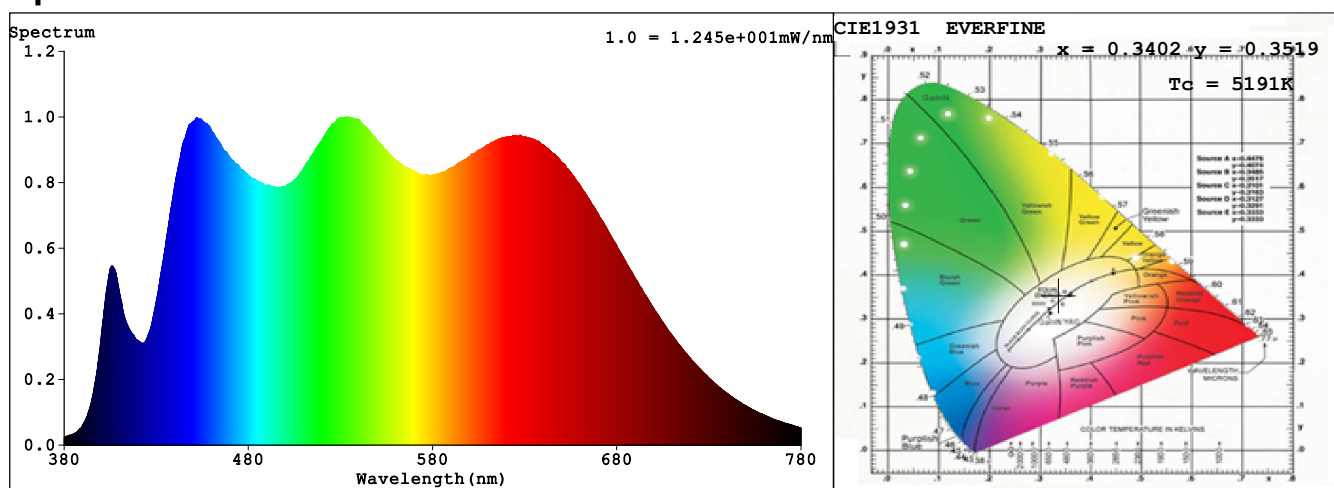
## Spectrum Test Report

Sample :	Date :	2020-01-15 13:29:22
Specification :	Sam. Status :	
Sample No. : #1-CW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 57938 (88%)
Test Mode : Fast Test	T : 513 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3402$   $y = 0.3519$  /  $u' = 0.2080$   $v' = 0.4841$  ( $duv=2.16e-03$ )  
 $T_c = 5191K$  Prcp WL:  $\lambda_d = 567.0nm$  Purity=7.7%  
 Peak WL:  $\lambda_p = 534nm$  Half Width:  $\Delta\lambda_p = 259.1nm$  Ratio: R=19.1% G=75.3% B=5.6%

Render Index: Ra = 97.7

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

### Photometric & Radiometric Quantities

Flux = 809.22 lm Eff. : 49.93 lm/W Fe = 3.1675 W  
 Flux of emitted photons( $\mu mol/s$ ):1.4857 Fluo. and blue light ratio:2.668 Fluorescent eff.:14.22

### Electrical parameters

V = 12.00 V I = 1.351 A P = 16.21 W PF = 1.000

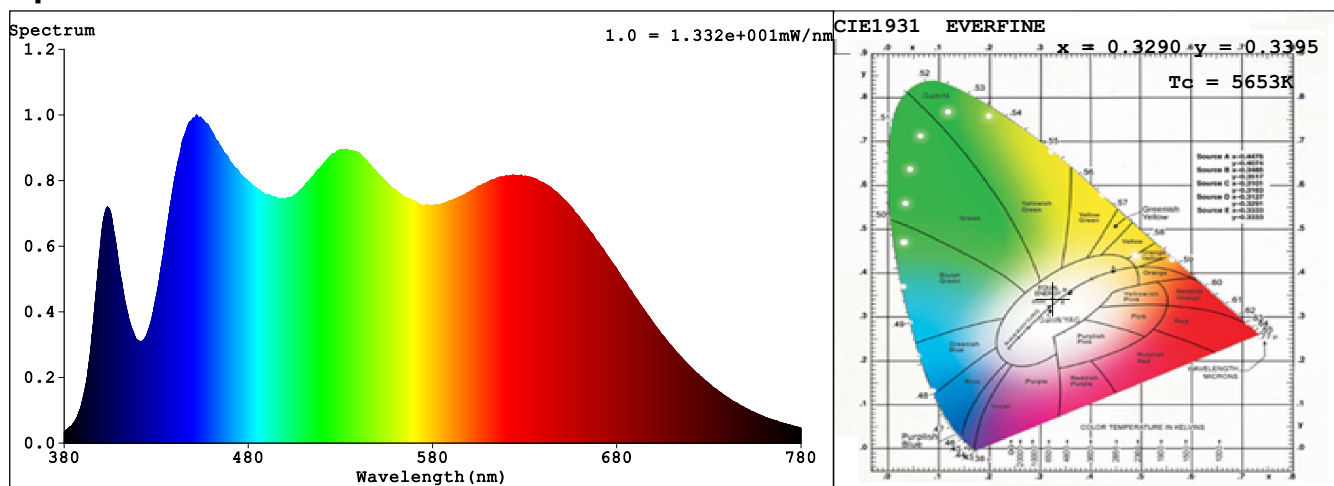
## Spectrum Test Report

Sample	:	Date	: 2020-08-12 13:02:21
Specification	:	Sam. Status	:
Sample No.	: #1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

### Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 58669 (90%)
Test Mode	: Fast Test	T	: 566 ms
		Delicacy	: Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3290$   $y = 0.3395$  /  $u' = 0.2051$   $v' = 0.4763$  ( $duv=7.47e-04$ )  
 $T_c = 5653K$  Prcp WL:  $\lambda_d = 512.2nm$  Purity=1.4%  
 Peak WL:  $\lambda_p = 452nm$  Half Width:  $\Delta\lambda_p = 251.7nm$  Ratio: R=18.6% G=75.3% B=6.1%

Render Index:  $R_a = 96.3$

R1 =95	R2 =98	R3 =96	R4 =95	R5 =96	R6 =97	R7 =98	
R8 =94	R9 =85	R10=98	R11=94	R12=93	R13=95	R14=97	R15=94

### Photometric & Radiometric Quantities

Flux = 752.97 lm Eff. : 51.54 lm/W Fe = 3.0682 W

### Electrical parameters

V = 12.00 V I = 1.218 A P = 14.61 W PF = 1.000

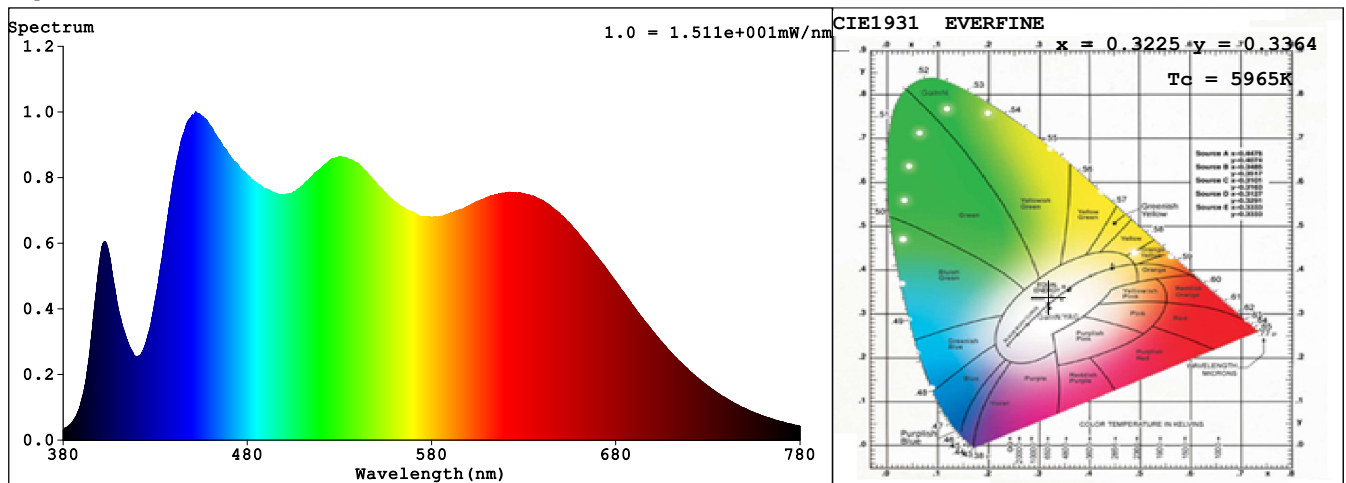
## Spectrum Test Report

Sample :	Date :	2020-08-12 11:23:36
Specification :	Sam. Status :	
Sample No. : #1	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 56562 (86%)
Test Mode : Fast Test	T : 501 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3225$   $y = 0.3364$  /  $u' = 0.2018$   $v' = 0.4737$  ( $duv=2.17e-03$ )

$T_c = 5965K$  Prcp WL:  $\lambda_d = 495.3nm$  Purity=3.5%

Peak WL:  $\lambda_p = 452nm$  Half Width:  $\Delta\lambda_p = 245.5nm$  Ratio: R=18.1% G=75.5% B=6.5%

Render Index:  $R_a = 96.4$

R1 =95	R2 =98	R3 =97	R4 =96	R5 =96	R6 =97	R7 =98	
R8 =94	R9 =85	R10=96	R11=95	R12=91	R13=95	R14=98	R15=94

### Photometric & Radiometric Quantities

Flux = 813.82 lm Eff. : 49.94 lm/W Fe = 3.2940 W

### Electrical parameters

V = 12.00 V I = 1.358 A P = 16.30 W PF = 1.000