

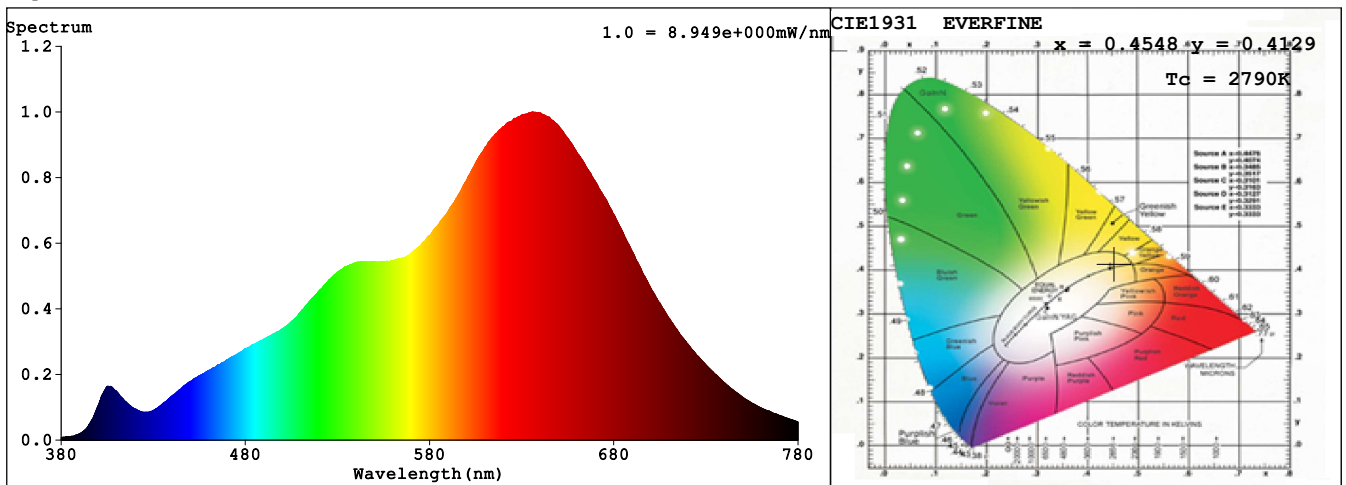
## Spectrum Test Report

Sample :	Date :	2018-08-13 17:06:58
Specification :	Sam. Status :	
Sample No. : ZJG1807009-WW	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 380nm-780nm	IP : 59222 (90%)
Test Mode : Fast Test	T : 740 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.4548$   $y = 0.4129$  /  $u' = 0.2582$   $v' = 0.5274$  ( $duv=1.30e-03$ )

$T_c = 2790K$  Prcp WL:  $\lambda_d = 583.3nm$  Purity=60.4%

Peak WL:  $\lambda_p = 636nm$  Half Width:  $\Delta\lambda_p = 169.0nm$  Ratio: R=28.5% G=68.8% B=2.7%

Render Index:  $R_a = 96.5$

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

### Photometric & Radiometric Quantities

Flux = 389.82 lm Eff. : 52.06 lm/W  $F_e = 1.5572 W$

### Electrical parameters

V = 12.00 V I = 0.6241 A P = 7.488 W PF = 1.000

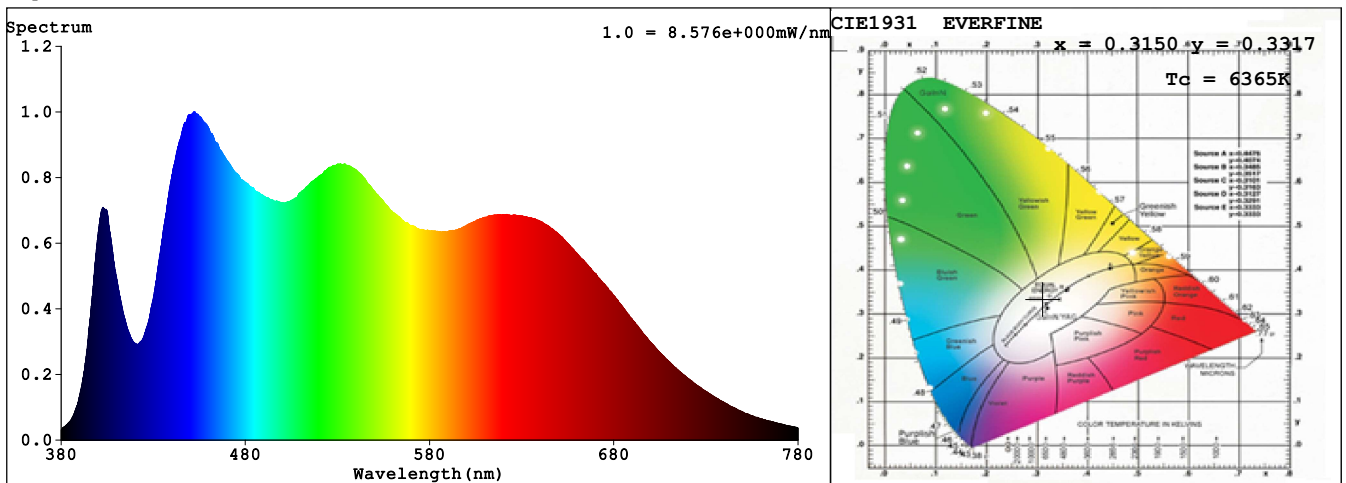
## Spectrum Test Report

Sample	:	Date	: 2018-08-13 17:09:00
Specification	:	Sam. Status	:
Sample No.	: ZJG1807009-CW	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: L

### Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 50896 (78%)
Test Mode	: Fast Test	T	: 740 ms
		Delicacy	: Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3150$   $y = 0.3317$  /  $u' = 0.1984$   $v' = 0.4701$  ( $duv=3.46e-03$ )

Tc= 6365K Prcp WL:  $\lambda_d=490.6nm$  Purity=6.3%

Peak WL:  $\lambda_p=452nm$  Half Width: $\Delta\lambda_p=239.0nm$  Ratio:R=17.3% G=76.0% B=6.7%

Render Index: Ra = 97.3

R1 =96	R2 =99	R3 =97	R4 =97	R5 =98	R6 =99	R7 =98	
R8 =95	R9 =87	R10=99	R11=96	R12=91	R13=97	R14=98	R15=95

### Photometric & Radiometric Quantities

Flux = 451.19 lm Eff. : 57.94 lm/W Fe = 1.8467 W

### Electrical parameters

V = 12.00 V I = 0.6490 A P = 7.787 W PF = 1.000

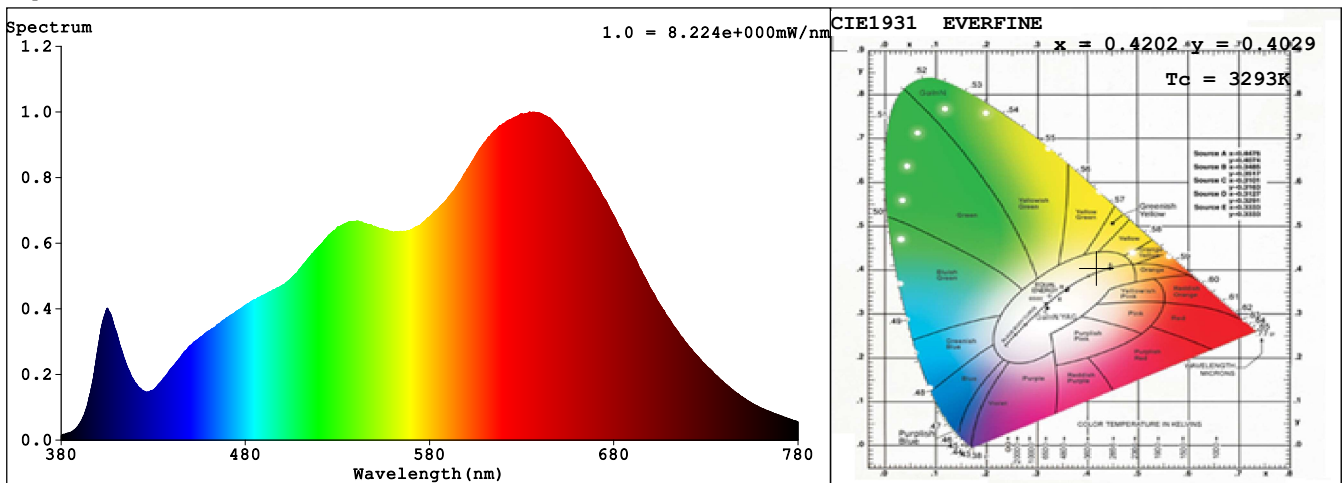
## Spectrum Test Report

Sample	:	Date	: 2018-08-03 10:40:00
Specification	:	Sam. Status	:
Sample No.	: ZJG1807003-VF4-2	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: A	Test by	: L

### Test Condition

Temperature	: Deg	RH	: %
WL Range	: 380nm-780nm	IP	: 55809 (85%)
Test Mode	: Fast Test	T	: 757 ms
		Delicacy	: Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.4202$   $y = 0.4029$  /  $u' = 0.2403$   $v' = 0.5184$  ( $duv=2.20e-03$ )

$T_c = 3293K$  Prcp WL:  $\lambda_d = 580.8nm$  Purity=47.1%

Peak WL:  $\lambda_p = 634nm$  Half Width:  $\Delta\lambda_p = 190.4nm$  Ratio: R=25.4% G=71.1% B=3.5%

Render Index:  $R_a = 95.6$

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

### Photometric & Radiometric Quantities

Flux = 408.22 lm Eff. : 53.72 lm/W  $F_e = 1.6202 W$

Flux of emitted photons( $\mu mol/s$ ):0.79776 Fluo. and blue light ratio:7.183 Fluorescent eff.:18.72

### Electrical parameters

V = 12.00 V I = 0.6334 A P = 7.600 W PF = 1.000

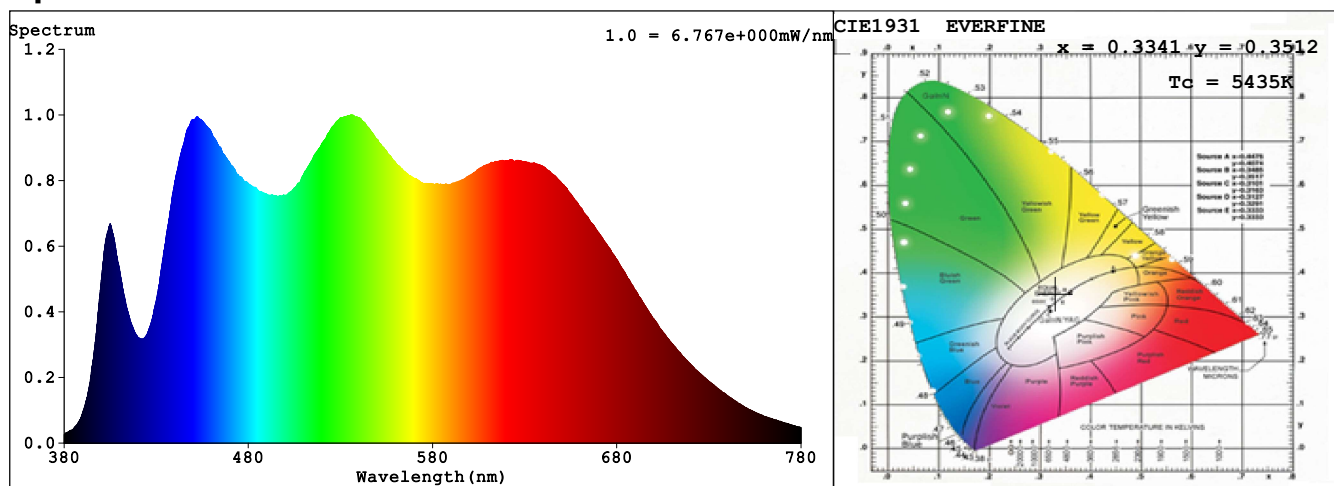
## Spectrum Test Report

Sample	:	Date	:	2018-08-03 10:40:59
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	L

### Test Condition

Temperature	:	Deg	RH	:	%
WL Range	:	380nm-780nm	IP	:	48971 (75%)
Test Mode	:	Fast Test	T	:	757 ms
			Delicacy	:	Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3341$   $y = 0.3512$  /  $u' = 0.2041$   $v' = 0.4829$  ( $duv=4.41e-03$ )  
 $T_c = 5435K$  Prcp WL:  $\lambda_d = 556.4nm$  Purity=5.7%  
 Peak WL:  $\lambda_p = 536nm$  Half Width:  $\Delta\lambda_p = 254.3nm$  Ratio: R=18.2% G=76.1% B=5.6%

Render Index:  $R_a = 98.1$

R1 =100	R2 =98	R3 =94	R4 =98	R5 =99	R6 =97	R7 =99	
R8 =99	R9 =100	R10=94	R11=97	R12=89	R13=99	R14=96	R15=99

### Photometric & Radiometric Quantities

Flux = 424.96 lm Eff. : 58.24 lm/W  $F_e = 1.6628 W$   
 Flux of emitted photons( $\mu mol/s$ ):0.77386 Fluo. and blue light ratio:2.468 Fluorescent eff.:16.22

### Electrical parameters

V = 12.00 V I = 0.6082 A P = 7.297 W PF = 1.000