

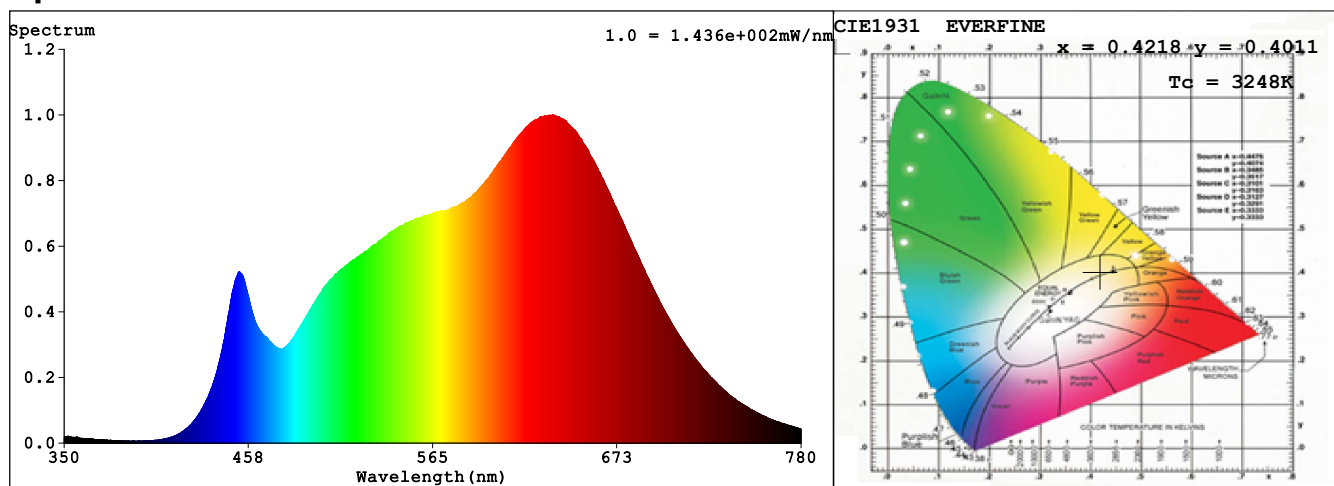
## Spectrum Test Report

Sample :	Date :	2019-10-09 15:31:57
Specification :	Sam. Status :	
Sample No. : 2	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 350nm-780nm	IP : 53610 (82%)
Test Mode : Fast Test	T : 44 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.4218$   $y = 0.4011$  /  $u' = 0.2421$   $v' = 0.5179$  ( $duv=1.16e-03$ )  
 Tc= 3248K Prcp WL:  $\lambda_d=581.4nm$  Purity=47.0%  
 Peak WL:  $\lambda_p=635nm$  Half Width: $\Delta\lambda_p=185.1nm$  Ratio:R=25.0% G=71.9% B=3.1%

Render Index: Ra = 98.7

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

### Photometric & Radiometric Quantities

Flux = 7200.7 lm Eff. : 77.21 lm/W Fe = 26.667 W

### Electrical parameters

V = 31.09 V I = 3.000 A P = 93.26 W PF = 1.000

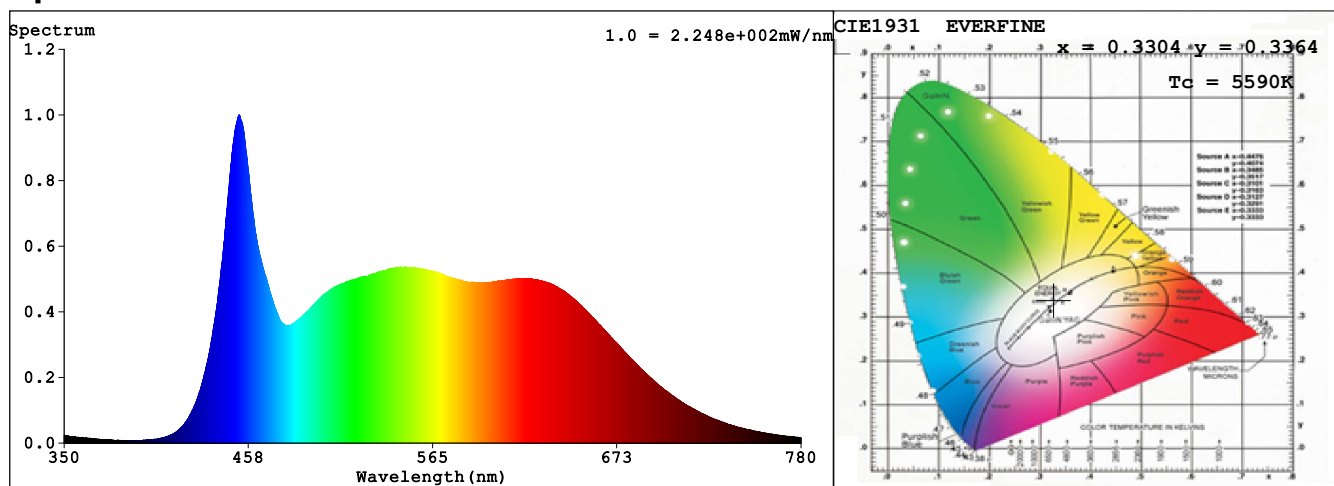
## Spectrum Test Report

Sample :	Date :	2019-10-12 09:46:30
Specification :	Sam. Status :	
Sample No. : 18	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 350nm-780nm	IP : 55045 (84%)
Test Mode : Fast Test	T : 40 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3304$   $y = 0.3364$  /  $u' = 0.2073$   $v' = 0.4748$  ( $duv = -1.52e-03$ )  
 $T_c = 5590K$  Prcp WL:  $\lambda_d = 506.0nm$  Purity=0.9%  
 Peak WL:  $\lambda_p = 452nm$  Half Width:  $\Delta\lambda_p = 27.0nm$  Ratio: R=18.1% G=76.4% B=5.5%

Render Index:  $R_a = 96.4$

R1 =97	R2 =98	R3 =95	R4 =97	R5 =97	R6 =94	R7 =97	
R8 =97	R9 =92	R10=93	R11=96	R12=77	R13=98	R14=97	R15=98

### Photometric & Radiometric Quantities

Flux = 8222.7 lm Eff. : 88.64 lm/W Fe = 29.978 W

### Electrical parameters

V = 30.92 V I = 3.000 A P = 92.77 W PF = 1.000