

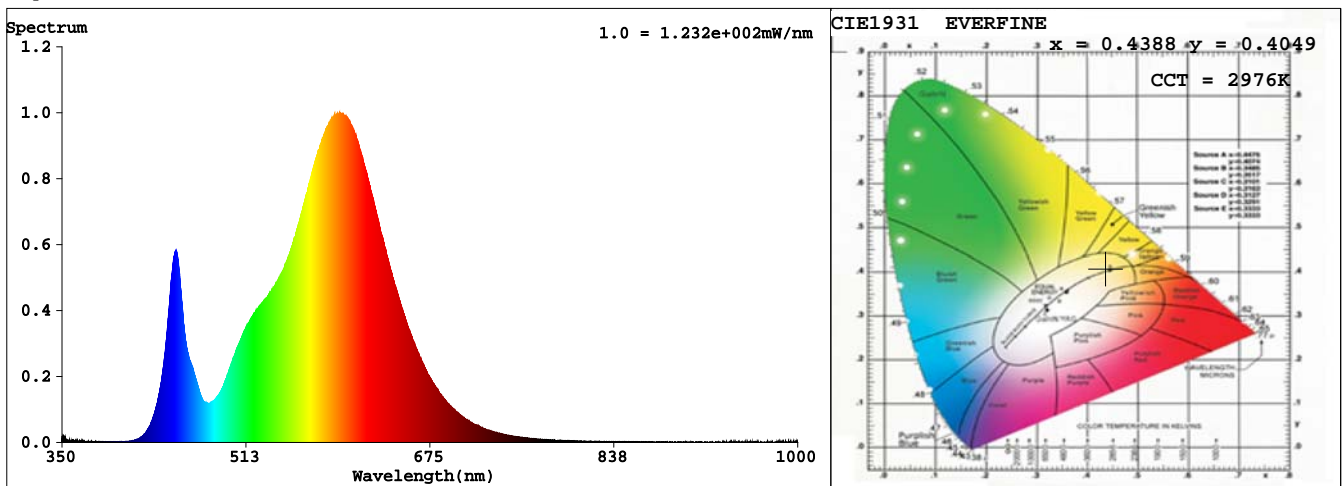
## Spectrum Test Report

Sample :	Date :	2020-03-26 18:23:54
Specification :	Sam. Status :	
Sample No. : 181	Instrument :	HAAS-2000(EVERFINE)
Manufacturer :	Test by :	
	Assessor :	damin

### Test Condition

Temperature : 25Deg	RH : 65.0%
WL Range : 350nm-1000nm	IP : 50860 (78%)
Test Mode : Fast Test	T : 97 ms
	Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4388$   $y = 0.4049$  /  $u' = 0.2514$   $v' = 0.5220$  ( $duv=8.16e-05$ )

CCT= 2976K Prcp WL:  $L_d=582.9nm$  Purity=53.2%

Peak WL:  $L_p=595nm$  FWHM:  $=100.4nm$  Ratio:R=21.4% G=76.5% B=2.1%

Render Index: Ra = 72.1 TM30:Rf=73 Rg=92

R1 =68 R2 =84 R3 =94 R4 =67 R5 =69 R6 =80 R7 =75

R8 =39 R9 =0 R10=66 R11=64 R12=56 R13=72 R14=97 R15=59

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 5681.4 lm Eff. : 146.53 lm/W Fe = 15.964 W

### Electrical parameters

V = 220.6 V I = 0.1850 A P = 38.77 W PF = 0.9502 F=49.99 Hz

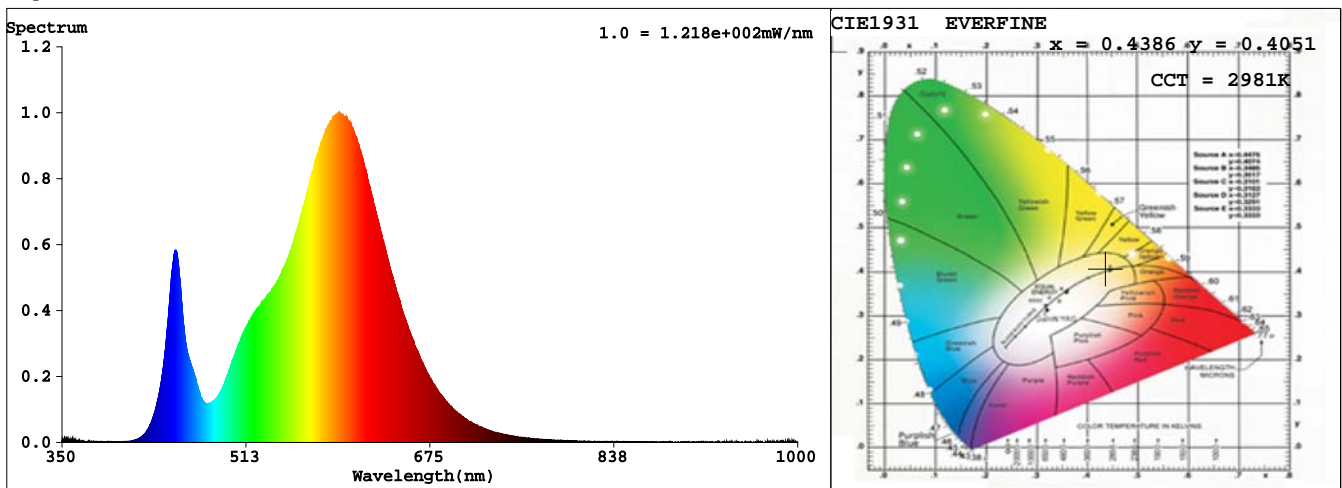
## Spectrum Test Report

Sample :	Date :	2020-03-26 18:24:31
Specification :	Sam. Status :	
Sample No. : 182	Instrument :	HAAS-2000(EVERFINE)
Manufacturer :	Test by :	
	Assessor :	damin

### Test Condition

Temperature : 25Deg	RH : 65.0%
WL Range : 350nm-1000nm	IP : 50063 (76%)
Test Mode : Fast Test	T : 97 ms
	Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4386, y = 0.4051 / u' = 0.2512, v' = 0.5220$  (duv=1.66e-04)

CCT= 2981K Prcp WL: Ld=582.8nm Purity=53.2%

Peak WL: Lp=595nm FWHM: =100.3nm Ratio:R=21.4% G=76.5% B=2.1%

Render Index: Ra = 72.1 TM30:Rf=73 Rg=92

R1 =68 R2 =84 R3 =94 R4 =67 R5 =68 R6 =79 R7 =75

R8 =40 R9 =0 R10=65 R11=64 R12=56 R13=72 R14=97 R15=59

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 5611.9 lm Eff. : 147.66 lm/W Fe = 15.759 W

### Electrical parameters

V = 220.6 V I = 0.1819 A P = 38.01 W PF = 0.9471 F=49.99 Hz

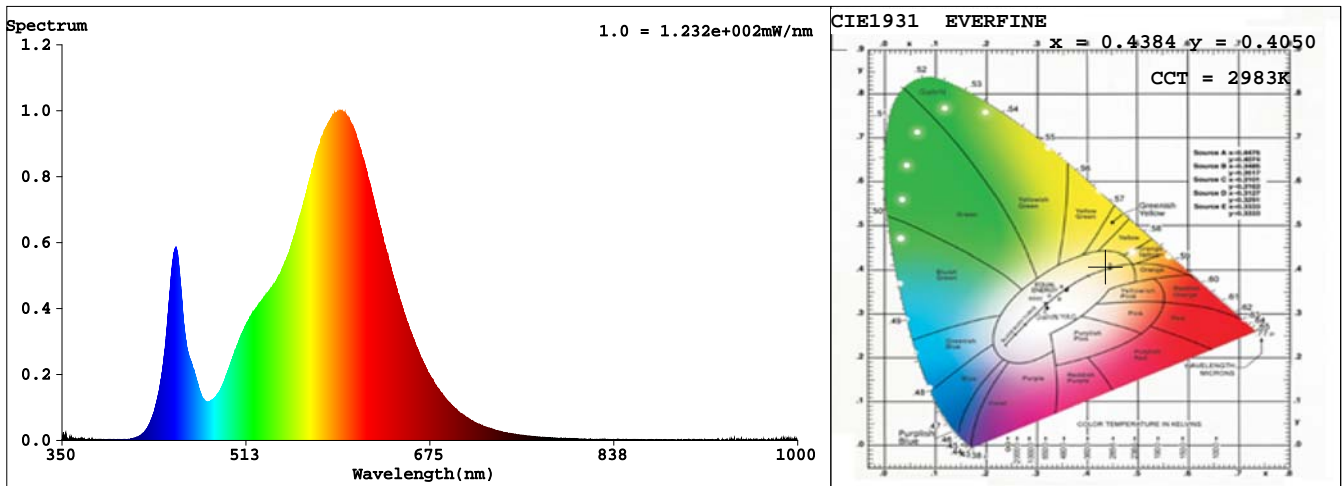
## Spectrum Test Report

Sample :	Date :	2020-03-26 18:25:21
Specification :	Sam. Status :	
Sample No. : 183	Instrument :	HAAS-2000(EVERFINE)
Manufacturer :	Test by :	
	Assessor :	damin

### Test Condition

Temperature : 25Deg	RH : 65.0%
WL Range : 350nm-1000nm	IP : 50788 (77%)
Test Mode : Fast Test	T : 97 ms
	Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4384$   $y = 0.4050$  /  $u' = 0.2511$   $v' = 0.5220$  ( $duv=1.56e-04$ )

CCT= 2983K Prcp WL:  $L_d=582.8nm$  Purity=53.1%

Peak WL:  $L_p=597nm$  FWHM: =100.2nm Ratio:R=21.4% G=76.6% B=2.1%

Render Index:  $R_a = 72.1$  TM30: $R_f=73$   $R_g=92$

R1 =68 R2 =84 R3 =94 R4 =68 R5 =69 R6 =79 R7 =75

R8 =39 R9 =0 R10=65 R11=64 R12=56 R13=72 R14=97 R15=59

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 5683.7 lm Eff. : 150.27 lm/W  $F_e = 15.971 W$

### Electrical parameters

V = 220.6 V I = 0.1813 A P = 37.82 W PF = 0.9458 F=49.99 Hz

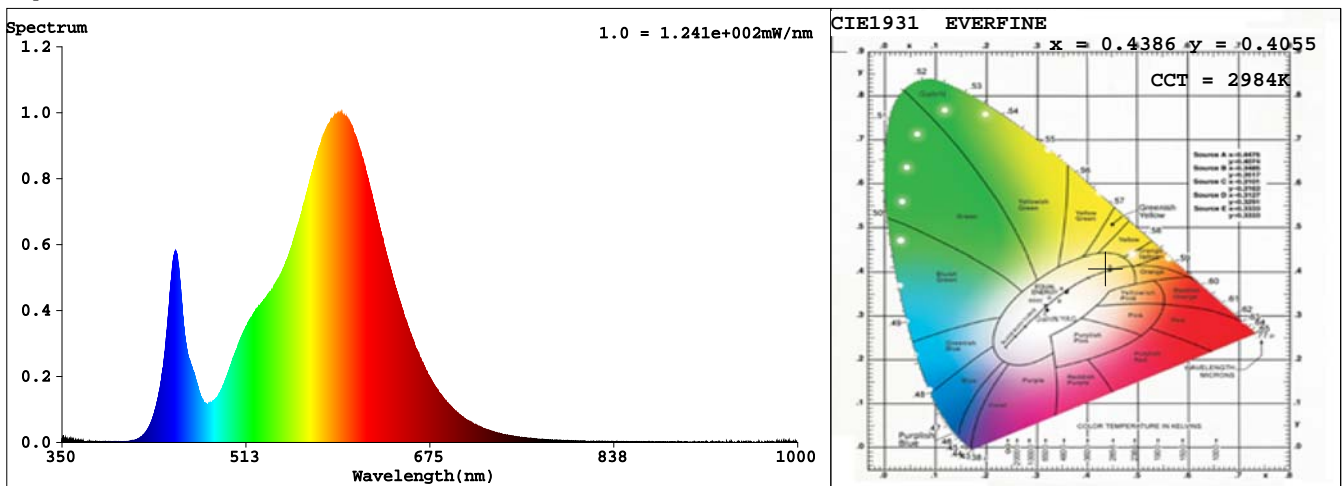
## Spectrum Test Report

Sample :	Date :	2020-03-26 18:25:55
Specification :	Sam. Status :	
Sample No. : 184	Instrument :	HAAS-2000(EVERFINE)
Manufacturer :	Test by :	
	Assessor :	damin

### Test Condition

Temperature : 25Deg	RH : 65.0%
WL Range : 350nm-1000nm	IP : 51064 (78%)
Test Mode : Fast Test	T : 97 ms
	Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4386$   $y = 0.4055$  /  $u' = 0.2510$   $v' = 0.5222$  ( $duv=3.23e-04$ )

CCT= 2984K Prcp WL:  $L_d=582.8nm$  Purity=53.3%

Peak WL:  $L_p=597nm$  FWHM:  $=100.6nm$  Ratio:R=21.4% G=76.6% B=2.1%

Render Index:  $R_a = 72.1$  TM30: $R_f=73$   $R_g=92$

R1 =68 R2 =84 R3 =94 R4 =67 R5 =68 R6 =79 R7 =75

R8 =39 R9 =0 R10=65 R11=64 R12=56 R13=71 R14=97 R15=59

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 5721.0 lm Eff. : 149.51 lm/W  $F_e = 16.047 W$

### Electrical parameters

V = 220.6 V I = 0.1830 A P = 38.27 W PF = 0.9480 F=49.99 Hz

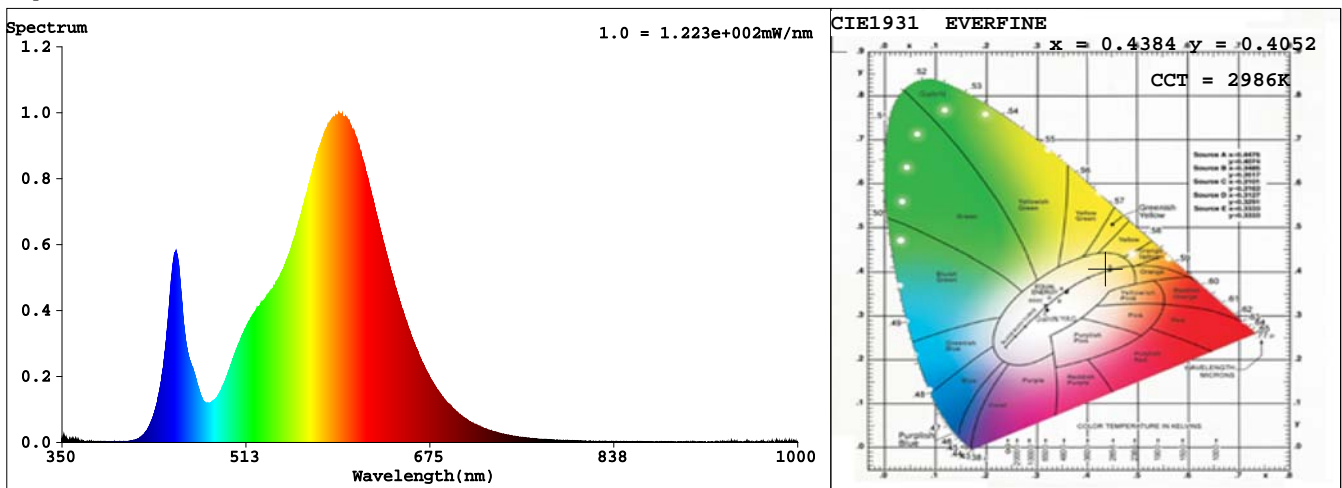
## Spectrum Test Report

Sample :	Date :	2020-03-26 18:26:21
Specification :	Sam. Status :	
Sample No. : 185	Instrument :	HAAS-2000(EVERFINE)
Manufacturer :	Test by :	
	Assessor :	damin

### Test Condition

Temperature : 25Deg	RH : 65.0%
WL Range : 350nm-1000nm	IP : 50356 (77%)
Test Mode : Fast Test	T : 97 ms
	Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4384$   $y = 0.4052$  /  $u' = 0.2510$   $v' = 0.5221$  ( $duv=2.68e-04$ )

CCT= 2986K Prcp WL:  $L_d=582.8nm$  Purity=53.2%

Peak WL:  $L_p=595nm$  FWHM:  $=100.3nm$  Ratio:R=21.4% G=76.6% B=2.1%

Render Index:  $R_a = 72.1$  TM30:Rf=73 Rg=92

R1 =68 R2 =84 R3 =94 R4 =67 R5 =68 R6 =79 R7 =75

R8 =39 R9 =0 R10=65 R11=64 R12=56 R13=71 R14=97 R15=59

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 5635.4 lm Eff. : 147.64 lm/W Fe = 15.830 W

### Electrical parameters

V = 220.6 V I = 0.1826 A P = 38.17 W PF = 0.9474 F=49.99 Hz