

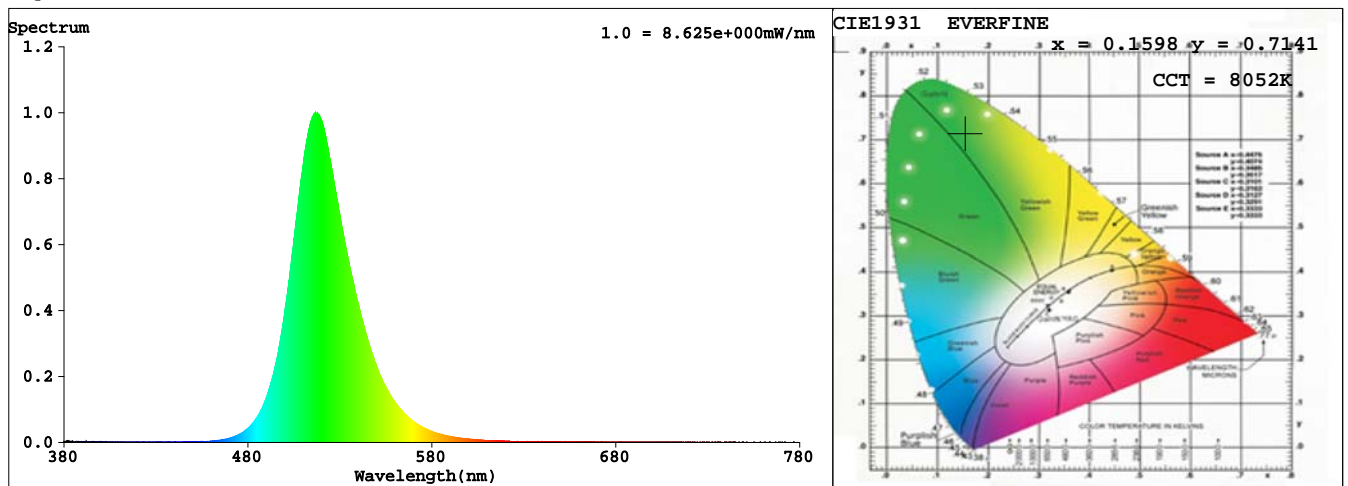
## Spectrum Test Report

Sample	:	Date	: 2019-06-19 17:41:43
Specification	:	Sam. Status	:
Sample No.	: 3253	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 49767 (76%)
Test Mode	: Fast Test	T	: 449 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.1598$   $y = 0.7141$  /  $u' = 0.0568$   $v' = 0.5713$  ( $duv=1.59e-01$ )

CCT= 8052K Prcp WL:  $L_d=524.2nm$  Purity=76.9%

Peak WL:  $L_p=517nm$  FWHM:  $=34.1nm$  Ratio:R=0.3% G=96.9% B=2.8%

Render Index:  $R_a = 0.0$  CRI = 2.9 AvgR = 2.7 TM30:Rf=0 Rg=8

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=40 R15=0

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 161.03 lm Eff. : 63.97 lm/W  $F_e = 345.84$  mW

Flux of emitted photons( $\mu mol/s$ ):1.5099 Flu. and blue light ratio:100.5 Fluorescent eff.:136.0

### Electrical parameters

V = 24.00 V I = 0.1049 A P = 2.517 W PF = 1.000 F=0.00 Hz

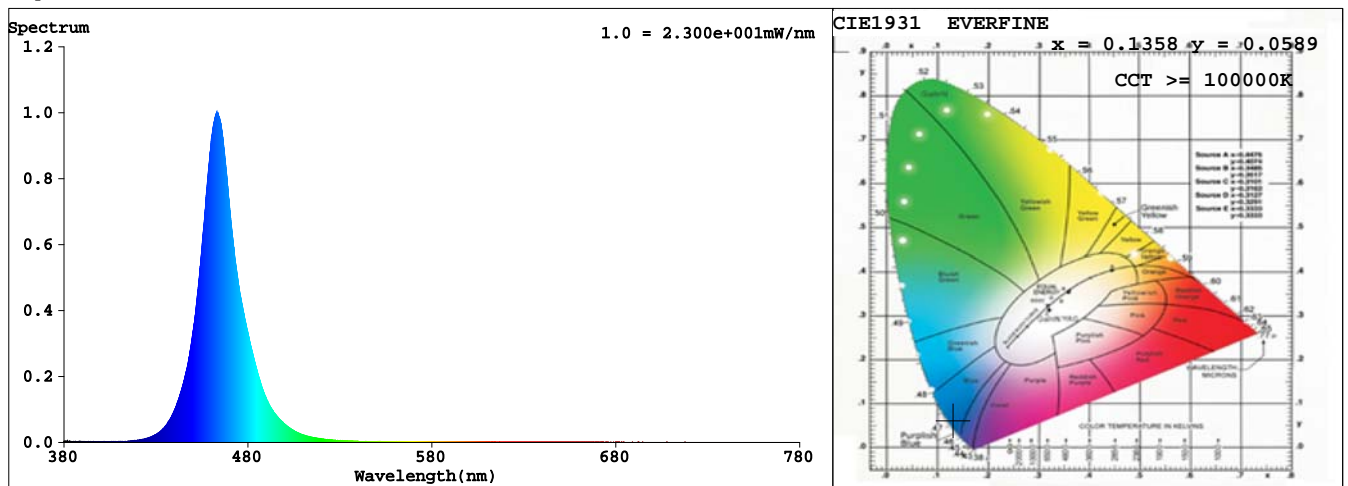
## Spectrum Test Report

Sample	:	Date	:	2019-06-19 17:42:31	
Specification	:	Sam. Status	:		
Sample No.	:	3254	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

### Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	53390 (81%)
Test Mode	:	Fast Test	T	:	278 ms
			Sensitivity	:	High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.1358$   $y = 0.0589$  /  $u' = 0.1581$   $v' = 0.1544$  ( $duv=1.65e-01$ )

CCT>=100000K Prcp WL: Ld=468.0nm Purity=96.7%

Peak WL: Lp=463nm FWHM: =20.9nm Ratio:R=0.5% G=16.4% B=83.1%

Render Index: Ra = 0.5 CRI = 0.3 AvgR = 0.3 TM30:Rf=0 Rg=-104

R1 =0 R2 =0 R3 =0 R4 =0 R5 =4 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=1

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 41.014 lm Eff. : 16.14 lm/W Fe = 612.08 mW

Flux of emitted photons(umol/s):2.3833 Flu. and blue light ratio:0.1705 Fluorescent eff.:35.12

### Electrical parameters

V = 24.00 V I = 0.1059 A P = 2.541 W PF = 1.000 F=0.00 Hz

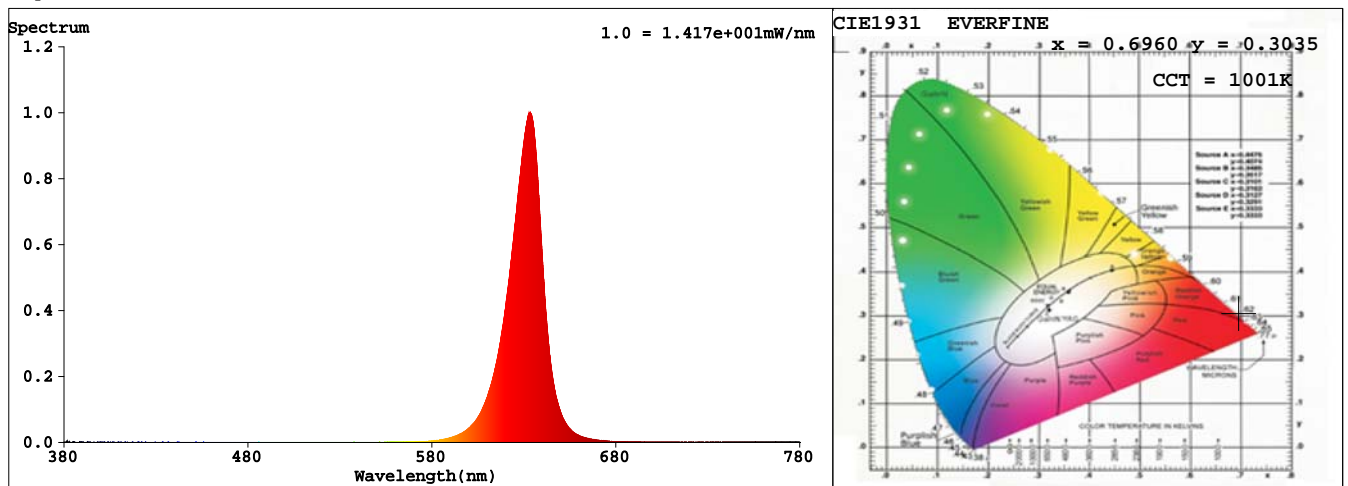
## Spectrum Test Report

Sample	:	Date	: 2019-06-19 17:43:07
Specification	:	Sam. Status	:
Sample No.	: 3255	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
Assessor	: damin		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 51141 (78%)
Test Mode	: Fast Test	T	: 278 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.6960$   $y = 0.3035$  /  $u' = 0.5303$   $v' = 0.5203$  ( $duv = -8.28e-02$ )

CCT= 1001K Prcp WL:  $L_d = 622.5nm$  Purity=99.9%

Peak WL:  $L_p = 633nm$  FWHM: =18.7nm Ratio:R=95.9% G=4.1% B=0.0%

Render Index:  $R_a = 27.3$  CRI = 32.9 AvgR = 30.7 TM30:Rf=19 Rg=-1

R1 =8 R2 =78 R3 =32 R4 =0 R5 =3 R6 =89 R7 =9

R8 =0 R9 =0 R10=72 R11=0 R12=80 R13=30 R14=60 R15=0

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 60.114 lm Eff. : 24.97 lm/W  $F_e = 315.63$  mW

Flux of emitted photons( $\mu mol/s$ ):1.6592 Flu. and blue light ratio:7915 Fluorescent eff.:131.1

### Electrical parameters

V = 24.00 V I = 0.1003 A P = 2.407 W PF = 1.000 F=0.00 Hz

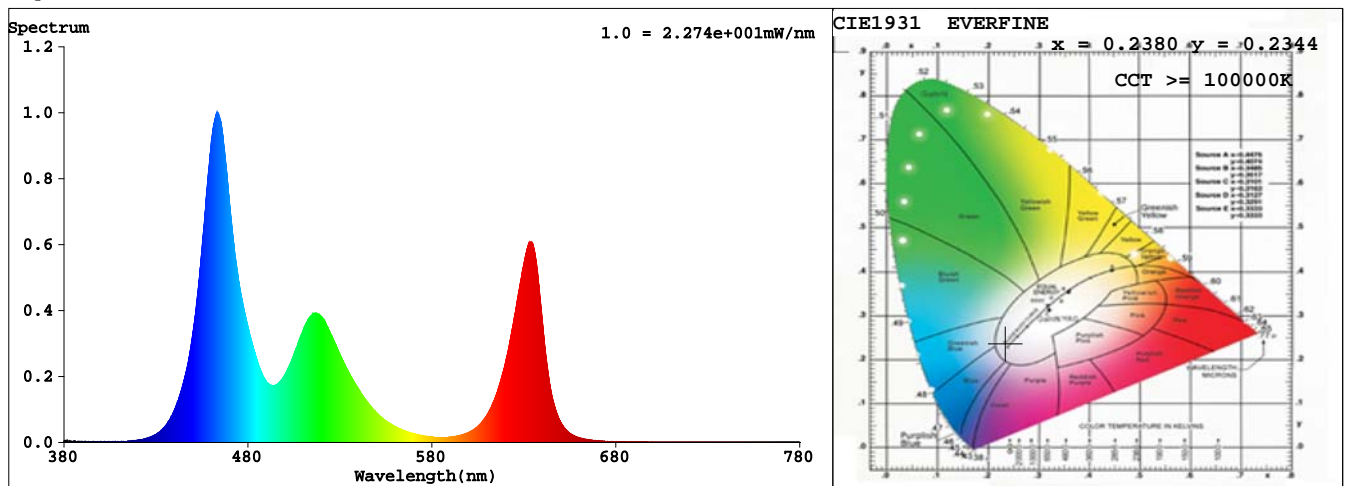
## Spectrum Test Report

Sample	:		Date	:	2019-06-19 17:43:35
Specification	:	FH07C-P0-G1 50ZRGB 24V30S W10L05	Sam. Status	:	
Sample No.	:	3256	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	
Assessor	:	damin			
Remark	:				

### Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52814 (81%)
Test Mode	:	Fast Test	T	:	278 ms
			Sensitivity	:	High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.2380$   $y = 0.2344$  /  $u' = 0.1784$   $v' = 0.3953$  ( $duv=3.30e-03$ )

CCT>=100000K Prcp WL: Ld=476.3nm Purity=41.8%

Peak WL: Lp=463nm FWHM: =21.2nm Ratio:R=21.8% G=63.4% B=14.8%

Render Index: Ra = 43.0 CRI = 38.9 AvgR = 36.4 TM30:Rf=39 Rg=114

R1 =25 R2 =50 R3 =68 R4 =48 R5 =48 R6 =51 R7 =54

R8 =0 R9 =0 R10=0 R11=40 R12=56 R13=26 R14=78 R15=1

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 259.74 lm Eff. : 35.14 lm/W Fe = 1.2618 W

Flux of emitted photons(umol/s):5.4997 Fluo. and blue light ratio:0.3316 Fluorescent eff.:42.51

### Electrical parameters

V = 24.00 V I = 0.3080 A P = 7.391 W PF = 1.000 F=0.00 Hz