

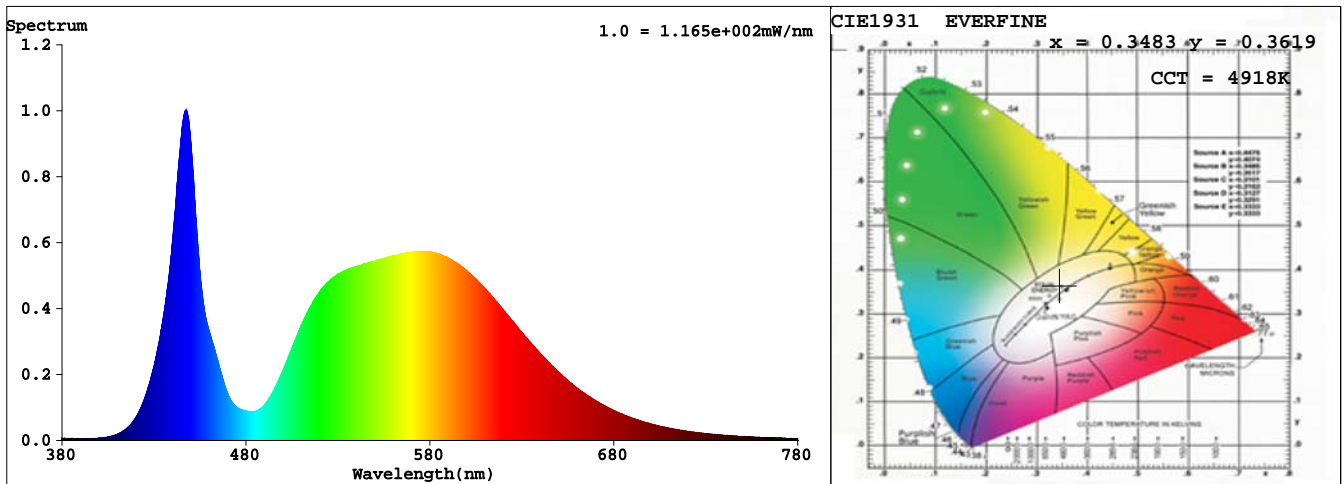
## Spectrum Test Report

Sample	:		Date	:	2022-11-24 10:25:50
Specification	:	MK5050-4H3-5050-172X49MM	Standardtus	:	
Sample No.	:	AL20401	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:	---			

### Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52271 (80%)
Test Mode	:	Fast Test	T	:	302 ms
Sensitivity	:	Low			

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3483, y = 0.3619 / u' = 0.2096, v' = 0.4901$  (duv=3.84e-03)

CCT= 4918K Prcp WL: Ld=570.5nm Purity=13.1%

Peak WL: Lp=447nm FWHM: =17.0nm Ratio:R=14.3% G=82.9% B=2.8%

Render Index: Ra = 71.8

R1 =69 R2 =76 R3 =82 R4 =73 R5 =70 R6 =67 R7 =81

R8 =56 R9 =0 R10=43 R11=70 R12=40 R13=70 R14=90 R15=63

LEVEL:OUT WHITE:ANSI\_5000K

### Photometric & Radiometric Parameters

Flux = 4015.3 lm Eff. : 176.39 lm/W Fe = 11.766 W

Photons1:5.385e+001  $\mu\text{mol/s}$ (400~780nm) Photons2:1.075e+000  $\mu\text{mol/s}$ (700~780nm)

Photosynthetic:PPF(400-700nm):52.775 $\mu\text{mol/s}$  PRF(400-700nm):11577mW

Eff(PPF) (400-700nm):2.32 $\mu\text{mol/s/W}$

### Electrical parameters

V = 45.56 V I = 0.4996 A P = 22.76 W PF = 1.000 F=0.00 Hz

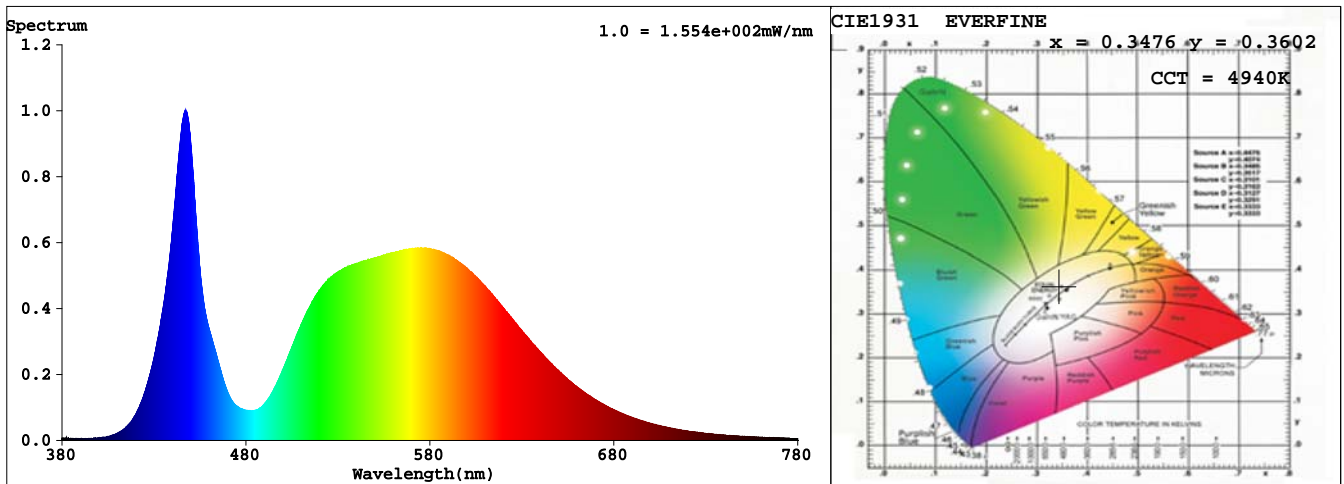
## Spectrum Test Report

Sample	:	Date	: 2022-11-24 10:26:15
Specification	:	Standardtus	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: DAMIN
Assessor	:		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52535 (80%)
Test Mode	: Fast Test	T	: 224 ms
Sensitivity	: Low		

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3476$   $y = 0.3602$  /  $u' = 0.2098$   $v' = 0.4892$  ( $duv=3.31e-03$ )

CCT= 4940K Prcp WL:  $L_d=570.6nm$  Purity=12.4%

Peak WL:  $L_p=447nm$  FWHM: =17.9nm Ratio:R=14.3% G=82.8% B=2.8%

Render Index:  $R_a = 71.8$

R1 =69 R2 =76 R3 =81 R4 =73 R5 =70 R6 =67 R7 =81

R8 =57 R9 =0 R10=43 R11=70 R12=41 R13=70 R14=89 R15=63

LEVEL:OUT WHITE:ANSI\_5000K

### Photometric & Radiometric Parameters

Flux = 5441.8 lm Eff. : 166.15 lm/W  $F_e = 16.028 W$

Photons1:7.329e+001  $\mu mol/s(400\sim 780nm)$  Photons2:1.485e+000  $\mu mol/s(700\sim 780nm)$

Photosynthetic:PPF(400-700nm):71.809 $\mu mol/s$  PRF(400-700nm):15767mW

Eff(PPF) (400-700nm):2.19 $\mu mol/s/W$

### Electrical parameters

$V = 46.79 V$   $I = 0.7000 A$   $P = 32.75 W$  PF = 1.000 F=0.00 Hz

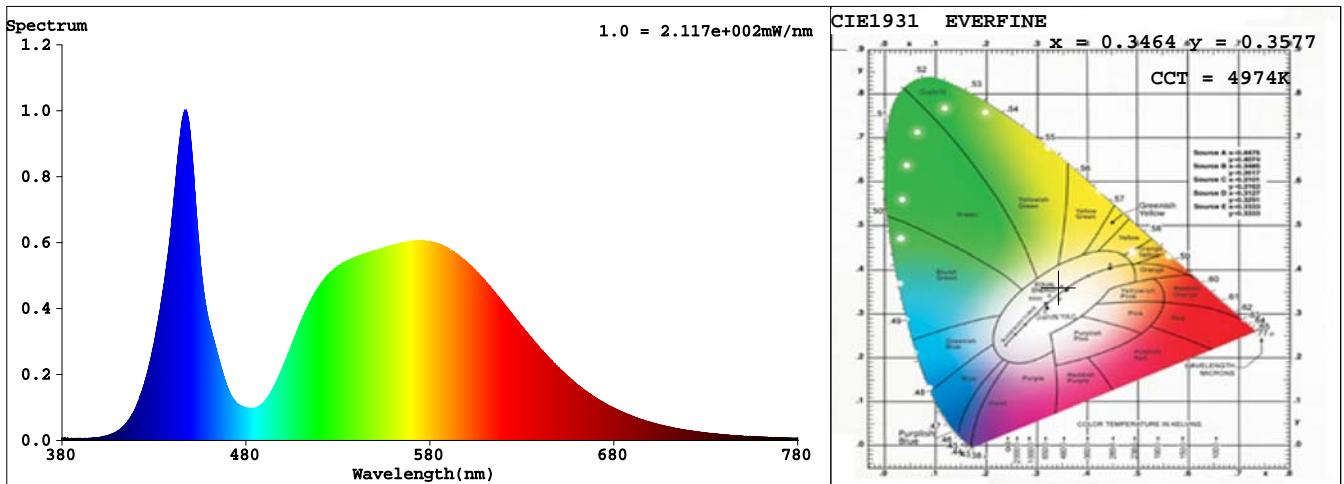
## Spectrum Test Report

Sample	:	Date	: 2022-11-24 10:26:44
Specification	:	Standardtus	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: DAMIN
Assessor	:		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52789 (81%)
Test Mode	: Fast Test	T	: 159 ms
Sensitivity	: Low		

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3464$   $y = 0.3577$  /  $u' = 0.2099$   $v' = 0.4878$  ( $duv=2.55e-03$ )

CCT= 4974K Prcp WL:  $L_d=570.7nm$  Purity=11.3%

Peak WL:  $L_p=447nm$  FWHM: =19.8nm Ratio:R=14.3% G=82.8% B=2.9%

Render Index:  $R_a = 72.0$

R1 =70 R2 =76 R3 =81 R4 =73 R5 =70 R6 =67 R7 =81

R8 =57 R9 =0 R10=43 R11=70 R12=42 R13=70 R14=89 R15=64

LEVEL:OUT WHITE:ANSI\_5000K

### Photometric & Radiometric Parameters

Flux = 7687.4 lm Eff. : 150.12 lm/W  $F_e = 22.826 W$

Photons1:1.043e+002  $\mu mol/s(400\sim 780nm)$  Photons2:2.165e+000  $\mu mol/s(700\sim 780nm)$

Photosynthetic:PPF(400-700nm):102.1 $\mu mol/s$  PRF(400-700nm):22444mW

Eff(PPF) (400-700nm):1.99 $\mu mol/s/W$

### Electrical parameters

V = 48.75 V I = 1.051 A P = 51.21 W PF = 1.000 F=0.00 Hz