

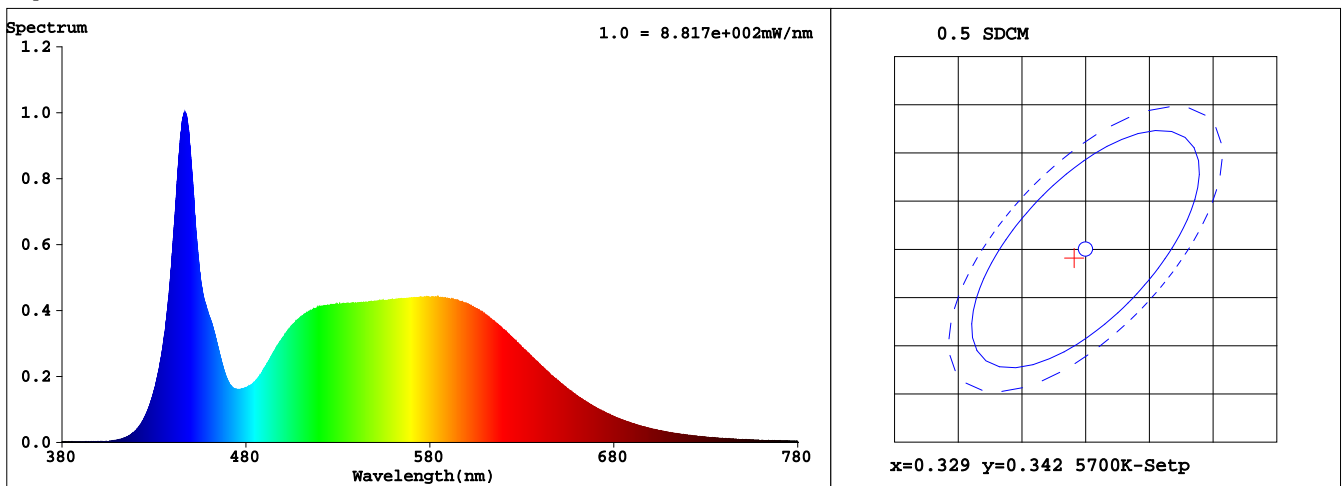
## Spectrum Test Report

Sample	:	Date	:	2023-02-07 15:02:12
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:	
		Assessor	:	damin

### Test Condition

Temperature	:	25Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	57772 (88%)
Test Mode	:	Fast Test	T	:	30 ms
			Sensitivity	:	High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3278$   $y = 0.3408$  /  $u' = 0.2038$   $v' = 0.4767$  ( $duv=1.95e-03$ )

CCT= 5707K Prcp WL:  $L_d=510.6nm$  Purity=1.7%

Peak WL:  $L_p=447nm$  FWHM: =16.3nm Ratio:R=14.6% G=80.8% B=4.7%

Render Index:  $R_a = 82.8$  CRI = 75.9

R1 =82 R2 =86 R3 =89 R4 =85 R5 =84 R6 =82 R7 =86

R8 =70 R9 =7 R10=67 R11=86 R12=63 R13=83 R14=94 R15=76

LEVEL:OUT WHITE:ANSI\_5700K

### Photometric & Radiometric Parameters

Flux = 25476 lm Eff. : 163.74 lm/W Fe = 80.252 W

### Electrical parameters

V = 230.0 V I = 0.6900 A P = 155.6 W PF = 0.9805 F=49.99 Hz

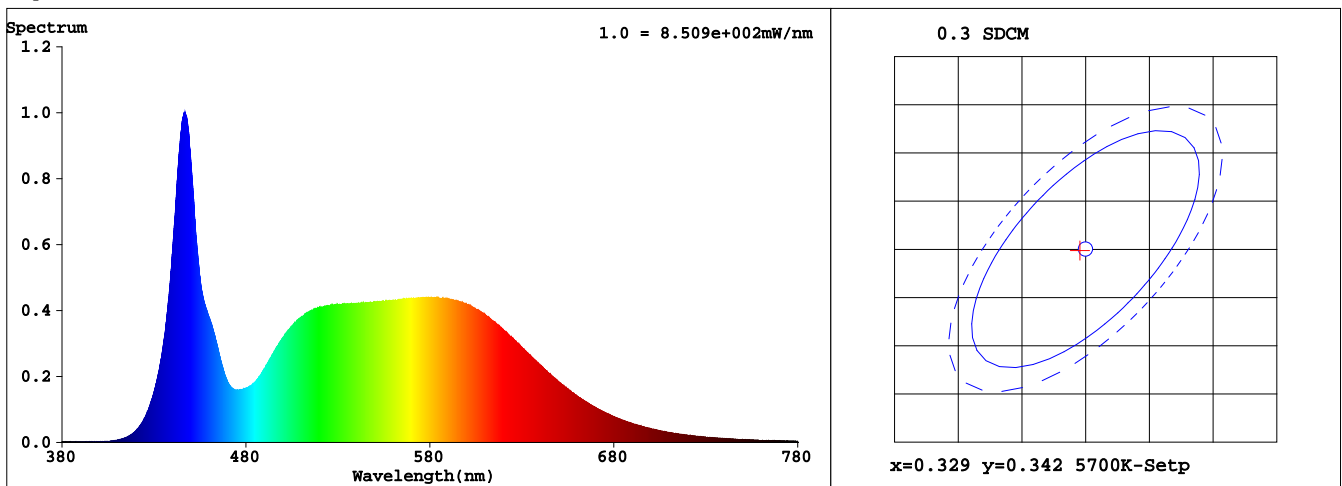
## Spectrum Test Report

Sample	:	Date	:	2023-02-07 15:04:39
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:	
		Assessor	:	damin

### Test Condition

Temperature	:	25Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	55720 (85%)
Test Mode	:	Fast Test	T	:	30 ms
			Sensitivity	:	High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3283$   $y = 0.3416$  /  $u' = 0.2038$   $v' = 0.4772$  ( $duv=2.14e-03$ )

CCT= 5687K Prcp WL: Ld=514.9nm Purity=1.7%

Peak WL: Lp=447nm FWHM: =16.0nm Ratio:R=14.6% G=80.8% B=4.6%

Render Index: Ra = 82.7 CRI = 75.8

R1 =82 R2 =86 R3 =89 R4 =85 R5 =83 R6 =82 R7 =86

R8 =69 R9 =7 R10=67 R11=86 R12=63 R13=82 R14=94 R15=76

LEVEL:OUT WHITE:ANSI\_5700K

### Photometric & Radiometric Parameters

Flux = 24488 lm Eff. : 164.46 lm/W Fe = 76.997 W

### Electrical parameters

V = 230.0 V I = 0.6612 A P = 148.9 W PF = 0.9793 F=49.99 Hz

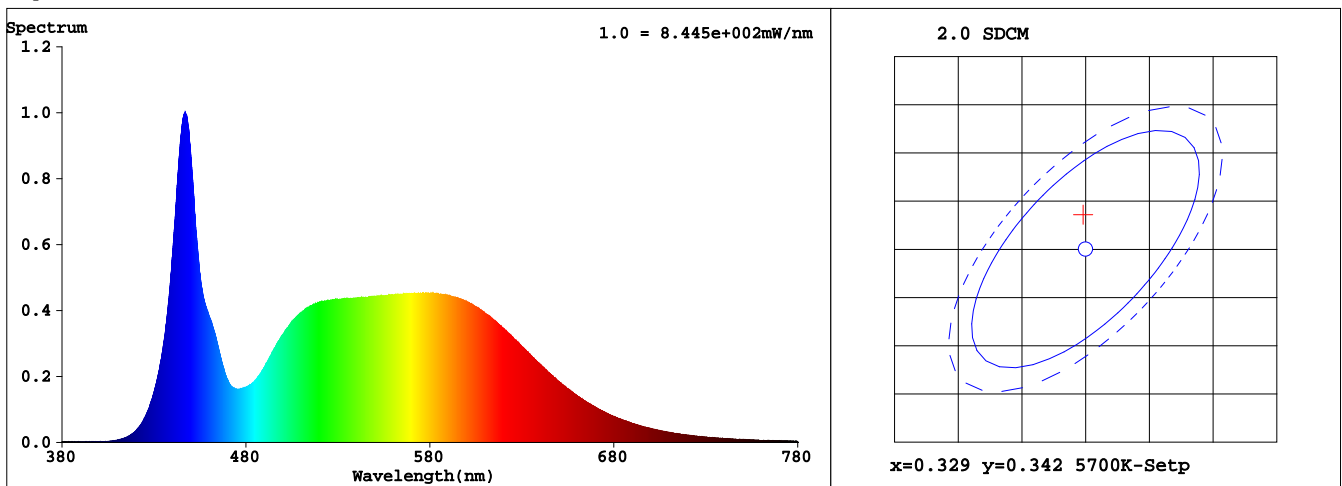
## Spectrum Test Report

Sample	:	Date	:	2023-02-07 15:05:58
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:	
		Assessor	:	damin

### Test Condition

Temperature	:	25Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	55311 (84%)
Test Mode	:	Fast Test	T	:	30 ms
			Sensitivity	:	High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3285$   $y = 0.3453$  /  $u' = 0.2026$   $v' = 0.4791$  ( $duv=3.91e-03$ )

CCT= 5673K Prcp WL: Ld=528.0nm Purity=2.5%

Peak WL: Lp=447nm FWHM: =16.1nm Ratio:R=14.3% G=81.1% B=4.6%

Render Index: Ra = 81.8 CRI = 74.5

R1 =80 R2 =85 R3 =89 R4 =84 R5 =82 R6 =81 R7 =86

R8 =68 R9 =2 R10=65 R11=84 R12=62 R13=81 R14=94 R15=74

LEVEL:OUT WHITE:ANSI\_5700K

### Photometric & Radiometric Parameters

Flux = 25056 lm Eff. : 164.53 lm/W Fe = 78.035 W

### Electrical parameters

V = 230.0 V I = 0.6756 A P = 152.3 W PF = 0.9801 F=49.99 Hz

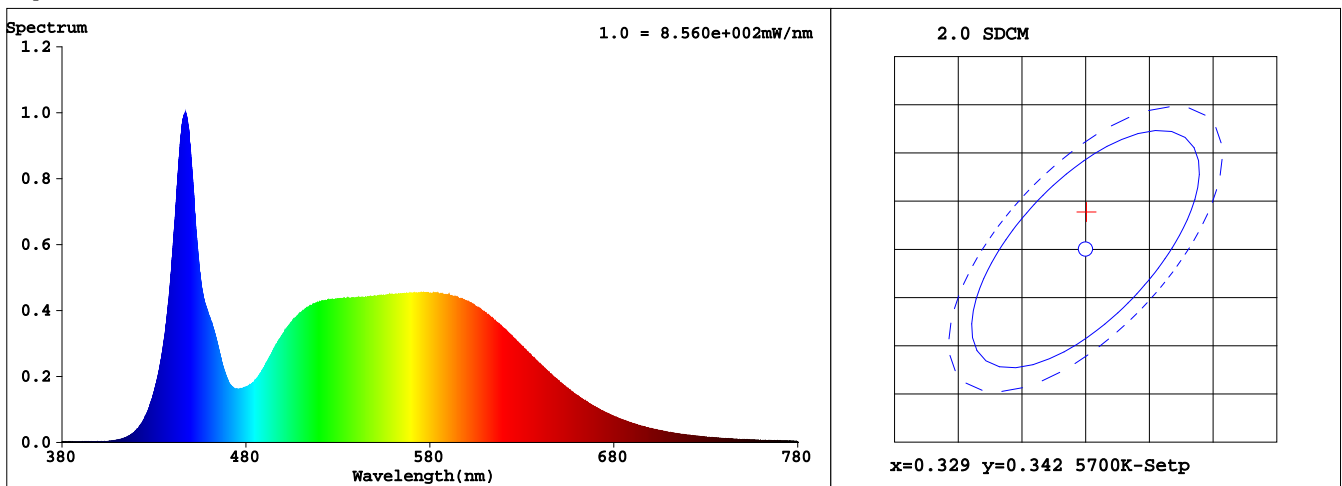
## Spectrum Test Report

Sample	:	Date	:	2023-02-07 15:08:03
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:	
		Assessor	:	damin

### Test Condition

Temperature	:	25Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	56215 (86%)
Test Mode	:	Fast Test	T	:	30 ms
			Sensitivity	:	High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3288$   $y = 0.3456$  /  $u' = 0.2027$   $v' = 0.4793$  ( $duv=3.94e-03$ )

CCT= 5660K Prcp WL: Ld=530.4nm Purity=2.6%

Peak WL: Lp=447nm FWHM: =16.1nm Ratio:R=14.4% G=81.1% B=4.6%

Render Index: Ra = 81.8 CRI = 74.5

R1 =80 R2 =85 R3 =89 R4 =84 R5 =82 R6 =81 R7 =86

R8 =68 R9 =2 R10=65 R11=84 R12=62 R13=81 R14=94 R15=74

LEVEL:OUT WHITE:ANSI\_5700K

### Photometric & Radiometric Parameters

Flux = 25465 lm Eff. : 164.18 lm/W Fe = 79.280 W

### Electrical parameters

V = 230.0 V I = 0.6872 A P = 155.1 W PF = 0.9813 F=49.99 Hz

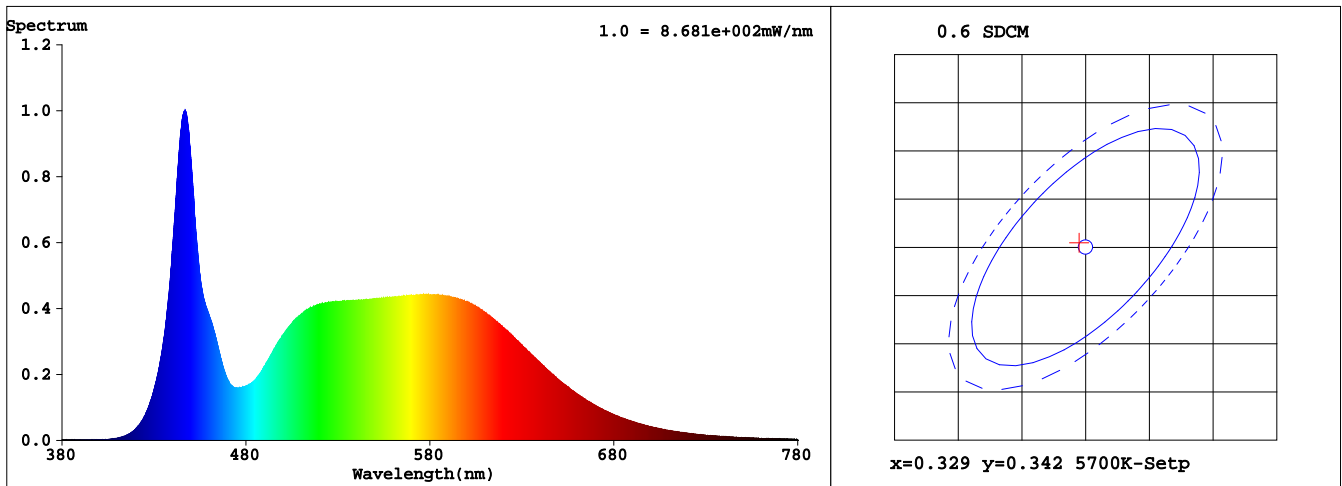
## Spectrum Test Report

Sample	:	Date	:	2023-02-07 15:09:38
Specification	:	Sam. Status	:	
Sample No.	:	Instrument	:	HAAS-2000(EVERFINE)
Manufacturer	:	Test by	:	
		Assessor	:	damin

### Test Condition

Temperature	:	25Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	56935 (87%)
Test Mode	:	Fast Test	T	:	30 ms
			Sensitivity	:	High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3282$   $y = 0.3422$  /  $u' = 0.2035$   $v' = 0.4775$  ( $duv=2.48e-03$ )

CCT= 5690K Prcp WL: Ld=516.5nm Purity=1.8%

Peak WL: Lp=447nm FWHM: =16.0nm Ratio:R=14.5% G=80.8% B=4.6%

Render Index: Ra = 82.5 CRI = 75.5

R1 =81 R2 =85 R3 =89 R4 =84 R5 =83 R6 =81 R7 =86

R8 =69 R9 =6 R10=66 R11=85 R12=63 R13=82 R14=94 R15=76

LEVEL:OUT WHITE:ANSI\_5700K

### Photometric & Radiometric Parameters

Flux = 25132 lm Eff. : 163.57 lm/W Fe = 78.881 W

### Electrical parameters

V = 230.0 V I = 0.6813 A P = 153.6 W PF = 0.9807 F=49.99 Hz