

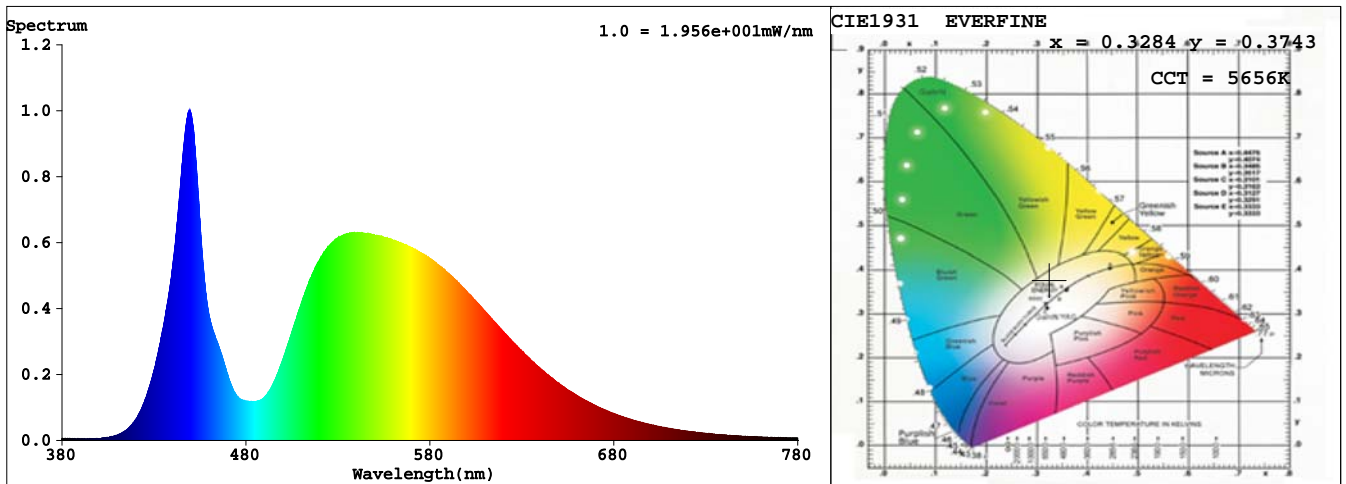
## Spectrum Test Report

Sample	:	Date	:	2023-03-17 14:34:31
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	:	47970 (73%)
Test Mode	:	Fast Test	T	:	1619 ms
Sensitivity	:	Low			

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3284$   $y = 0.3743$  /  $u' = 0.1922$   $v' = 0.4929$  ( $duv=1.78e-02$ )  $Du, Dv: -0.0135, 0.0116$

CCT= 5656K Prcp WL:  $L_d=548.2nm$  Purity=11.0%

Peak WL:  $L_p=449nm$  FWHM: =17.8nm Ratio:R=11.5% G=85.4% B=3.1%

Render Index:  $R_a = 67.3$

R1 =61 R2 =71 R3 =81 R4 =67 R5 =63 R6 =63 R7 =81  
R8 =51 R9 =0 R10=34 R11=63 R12=35 R13=62 R14=89 R15=53

### Photometric & Radiometric Parameters

Flux = 712.18 lm Eff. : 186.57 lm/W Fe = 2.0210 W

### Electrical parameters

V = 10.90 V I = 0.3501 A P = 3.817 W PF = 1.000 F=0.00 Hz

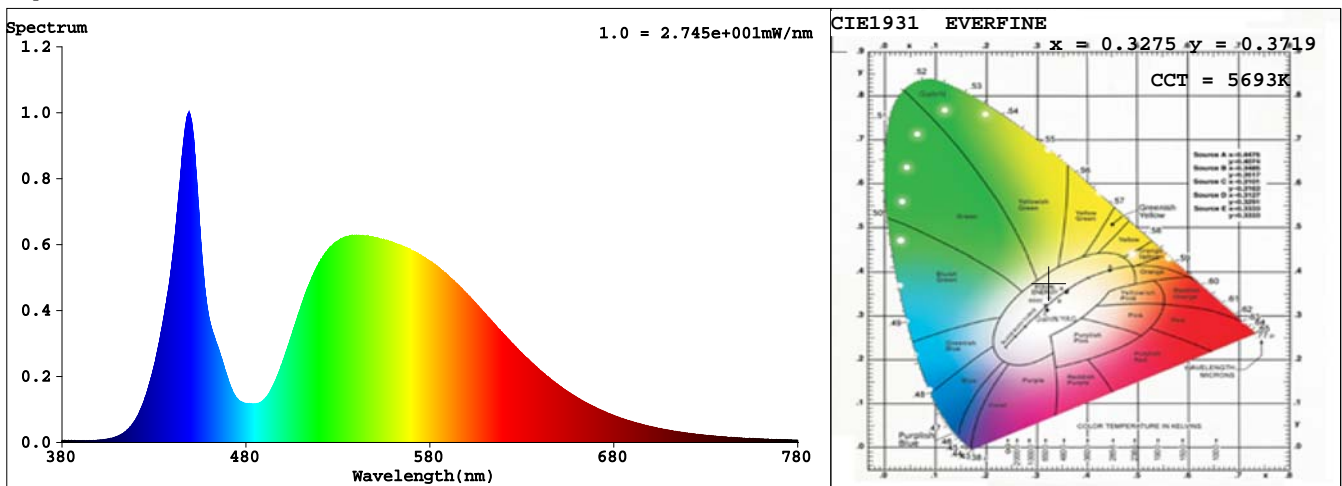
## Spectrum Test Report

Sample	:	Date	: 2023-03-17 14:35:33
Specification	:	Standardtus	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: DAMIN
Assessor	: damin		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52535 (80%)
Test Mode	: Fast Test	T	: 1268 ms
Sensitivity	: Low		

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3275$   $y = 0.3719$  /  $u' = 0.1924$   $v' = 0.4916$  ( $duv=1.71e-02$ )  $Du, Dv: -0.0130, 0.0111$

CCT= 5693K Prcp WL:  $L_d=546.3nm$  Purity=10.1%

Peak WL:  $L_p=449nm$  FWHM: =18.3nm Ratio:R=11.5% G=85.4% B=3.1%

Render Index:  $R_a = 67.4$

R1 =61 R2 =71 R3 =80 R4 =68 R5 =64 R6 =63 R7 =81  
R8 =51 R9 =0 R10=33 R11=64 R12=35 R13=62 R14=89 R15=53

### Photometric & Radiometric Parameters

Flux = 995.98 lm Eff. : 178.90 lm/W  $F_e = 2.8418 W$

### Electrical parameters

V = 11.13 V I = 0.5001 A P = 5.567 W PF = 1.000 F=0.00 Hz

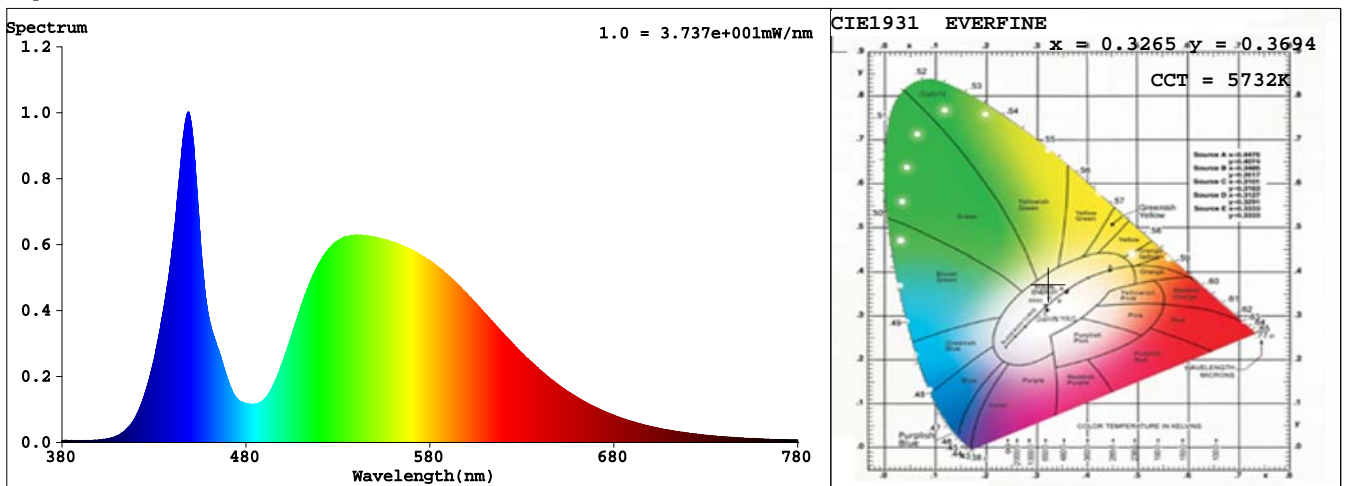
## Spectrum Test Report

Sample	:		Date	:	2023-03-17 14:36:17
Specification	:	DK5050-2X2-3535	Standardtus	:	
Sample No.	:	AL15547	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

### Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52758 (81%)
Test Mode	:	Fast Test	T	:	932 ms
Sensitivity	:	Low			

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3265$   $y = 0.3694$  /  $u' = 0.1926$   $v' = 0.4903$  ( $duv=1.64e-02$ )  $Du, Dv: -0.0125, 0.0106$

CCT= 5732K Prcp WL:  $L_d=543.8nm$  Purity=9.0%

Peak WL:  $L_p=449nm$  FWHM: =19.0nm Ratio:R=11.5% G=85.4% B=3.1%

Render Index:  $R_a = 67.4$

R1 =62 R2 =71 R3 =80 R4 =68 R5 =64 R6 =63 R7 =80

R8 =52 R9 =0 R10=33 R11=64 R12=36 R13=63 R14=89 R15=54

### Photometric & Radiometric Parameters

Flux = 1357.4 lm Eff. : 169.92 lm/W  $F_e = 3.8954 W$

### Electrical parameters

V = 11.41 V I = 0.6999 A P = 7.989 W PF = 1.000 F=0.00 Hz

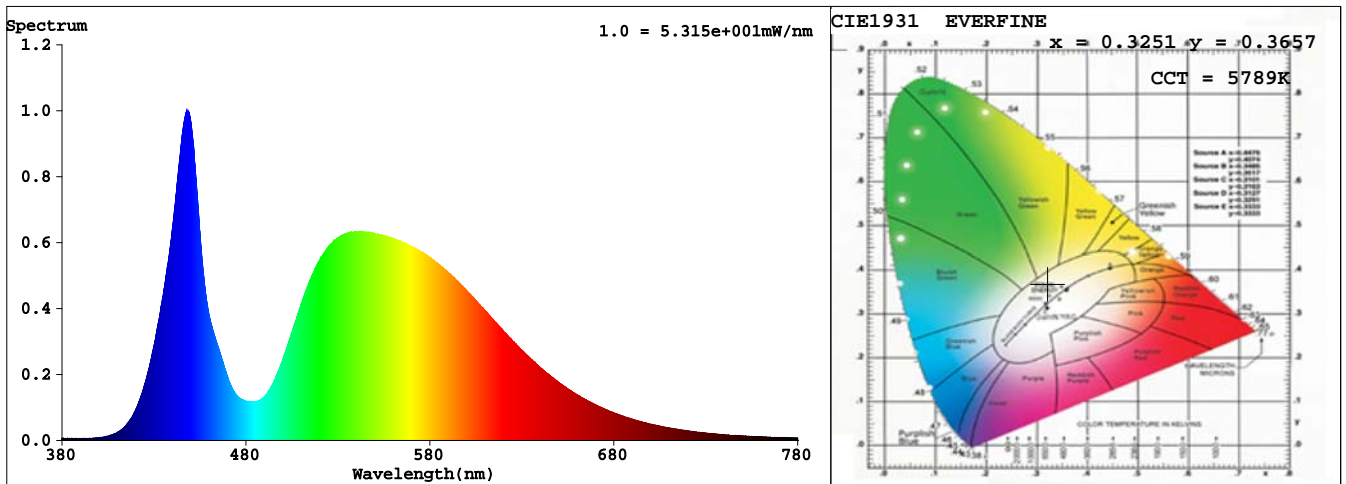
## Spectrum Test Report

Sample	:	Date	:	2023-03-17 14:36:38
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	:	52706 (80%)
Test Mode	:	Fast Test	T	:	650 ms
Sensitivity	:	Low			

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3251$   $y = 0.3657$  /  $u' = 0.1930$   $v' = 0.4884$  ( $duv=1.53e-02$ )  $Du, Dv: -0.0117, 0.0098$

CCT= 5789K Prcp WL:  $L_d=539.3nm$  Purity=7.6%

Peak WL:  $L_p=448nm$  FWHM:  $=20.4nm$  Ratio: R=11.5% G=85.3% B=3.1%

Render Index:  $R_a = 67.5$

R1 =62	R2 =71	R3 =79	R4 =68	R5 =65	R6 =63	R7 =80	
R8 =53	R9 =0	R10=33	R11=65	R12=37	R13=63	R14=88	R15=54

### Photometric & Radiometric Parameters

Flux = 1944.1 lm Eff. : 156.05 lm/W Fe = 5.6306 W

### Electrical parameters

V = 11.87 V I = 1.050 A P = 12.46 W PF = 1.000 F=0.00 Hz

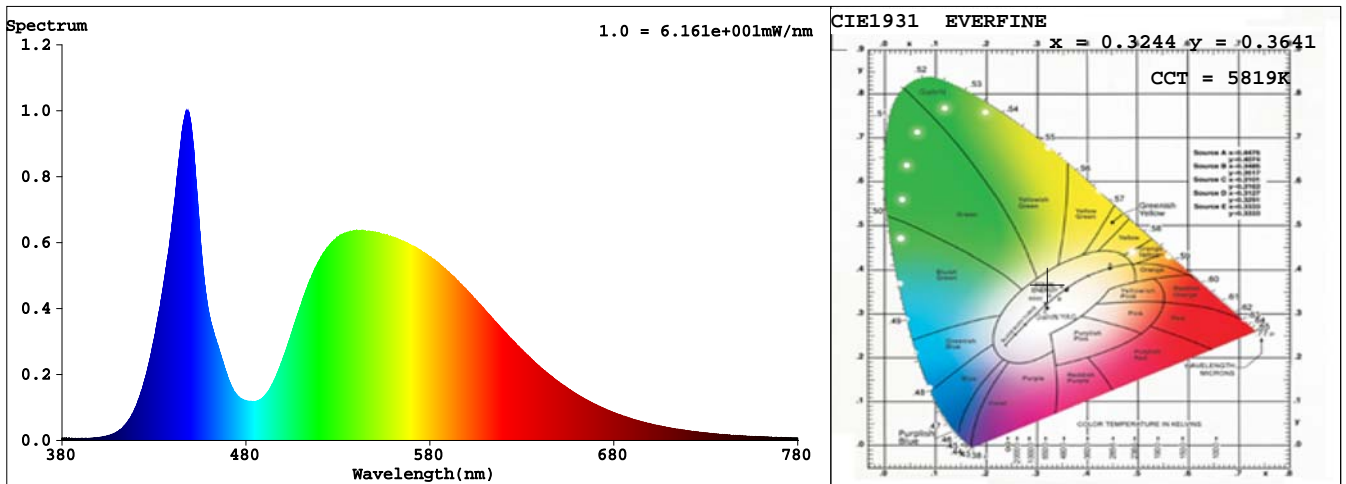
## Spectrum Test Report

Sample	:		Date	:	2023-03-17 14:37:52
Specification	:	DK5050-2X2-3535	Standardtus	:	
Sample No.	:	AL15547	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

### Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	45448 (69%)
Test Mode	:	Fast Test	T	:	480 ms
Sensitivity	:	Low			

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3244$   $y = 0.3641$  /  $u' = 0.1931$   $v' = 0.4876$  ( $duv=1.48e-02$ )  $Du, Dv: -0.0114, 0.0095$

CCT= 5819K Prcp WL:  $L_d=536.8nm$  Purity=7.0%

Peak WL:  $L_p=448nm$  FWHM:  $\approx 21.0nm$  Ratio: R=11.5% G=85.3% B=3.1%

Render Index:  $R_a = 67.5$

R1 =62 R2 =71 R3 =79 R4 =68 R5 =65 R6 =63 R7 =80

R8 =53 R9 =0 R10=33 R11=65 R12=37 R13=63 R14=88 R15=55

### Photometric & Radiometric Parameters

Flux = 2263.4 lm Eff. : 149.48 lm/W  $F_e = 6.5801 W$

### Electrical parameters

V = 12.11 V I = 1.250 A P = 15.14 W PF = 1.000 F=0.00 Hz

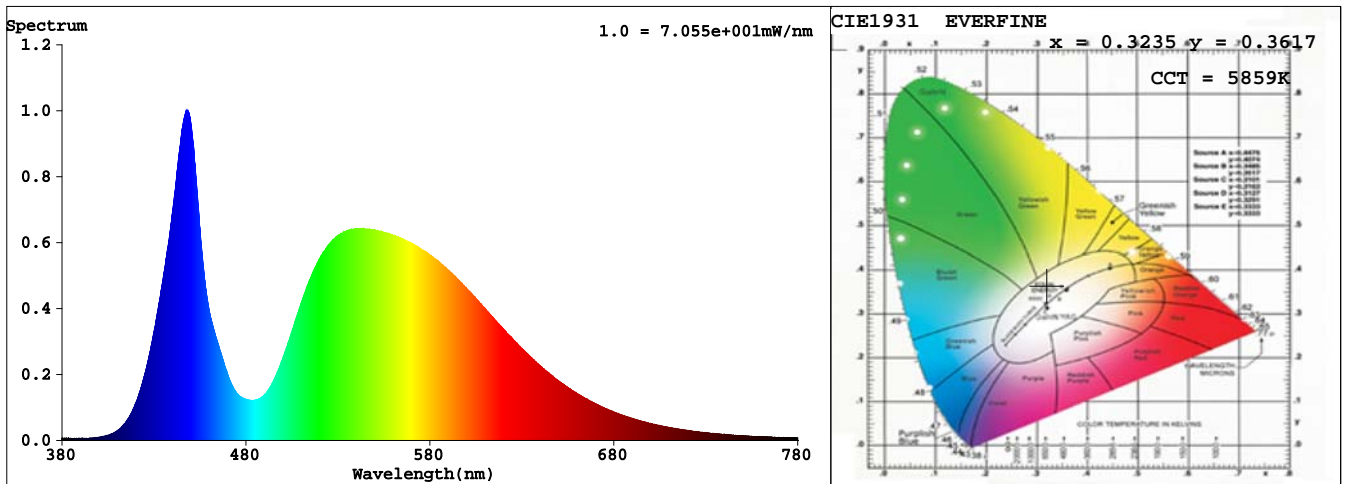
## Spectrum Test Report

Sample	:		Date	:	2023-03-17 14:38:09
Specification	:	DK5050-2X2-3535	Standardtus	:	
Sample No.	:	AL15547	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

### Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52576 (80%)
Test Mode	:	Fast Test	T	:	480 ms
Sensitivity	:	Low			

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3235$   $y = 0.3617$  /  $u' = 0.1933$   $v' = 0.4863$  ( $duv=1.41e-02$ )  $Du, Dv: -0.0109, 0.0089$

CCT= 5859K Prcp WL:  $L_d=532.5nm$  Purity=6.1%

Peak WL:  $L_p=448nm$  FWHM:  $\approx 22.1nm$  Ratio: R=11.6% G=85.3% B=3.2%

Render Index:  $R_a = 67.8$

R1 =63 R2 =71 R3 =79 R4 =69 R5 =65 R6 =63 R7 =80

R8 =53 R9 =0 R10=33 R11=65 R12=38 R13=63 R14=88 R15=55

### Photometric & Radiometric Parameters

Flux = 2617.3 lm Eff. : 140.82 lm/W  $F_e = 7.6633 W$

### Electrical parameters

V = 12.39 V I = 1.500 A P = 18.59 W PF = 1.000 F=0.00 Hz