

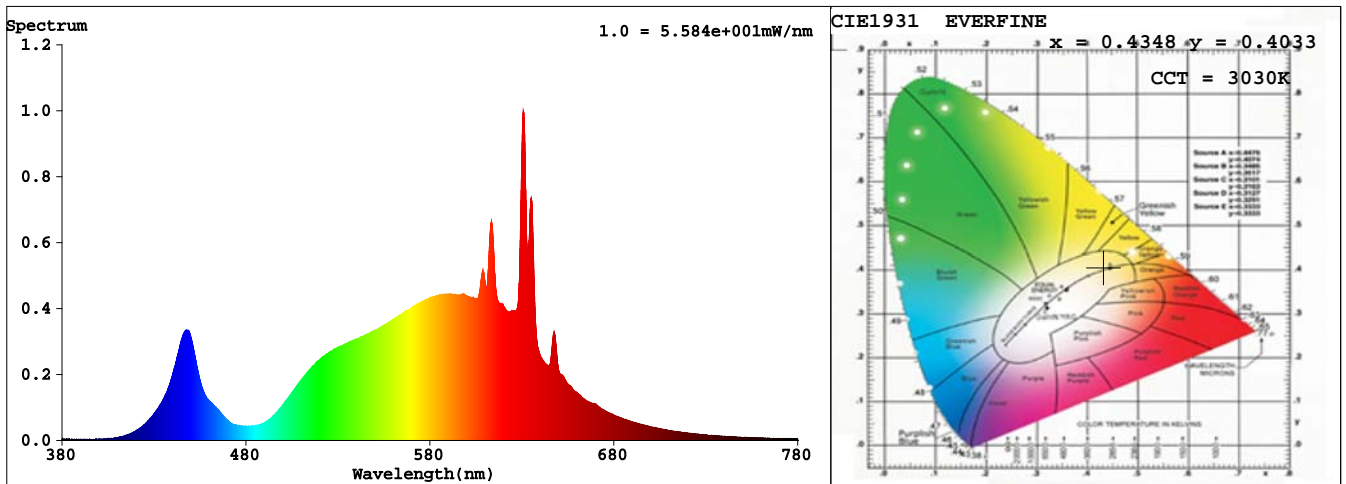
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:06:21
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	: 52737 (80%)
Test Mode	: Fast Test	T	: 359 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4348$ $y = 0.4033$ / $u' = 0.2495$ $v' = 0.5208$ ($duv = -1.24e-05$) $Du, Dv: 0.0000, -0.0000$

CCT= 3030K Prcp WL: $L_d = 582.7nm$ Purity=51.6%

Peak WL: $L_p = 631nm$ FWHM: =8.1nm Ratio:R=22.7% G=75.7% B=1.6%

Render Index: $R_a = 80.4$

R1 =80 R2 =85 R3 =89 R4 =81 R5 =78 R6 =80 R7 =85

R8 =65 R9 =15 R10=64 R11=79 R12=57 R13=80 R14=93 R15=75

Photometric & Radiometric Parameters

Flux = 1379.4 lm Eff. : 202.17 lm/W Fe = 3.9430 W

Electrical parameters

V = 27.29 V I = 0.2500 A P = 6.823 W PF = 1.000 F=0.00 Hz

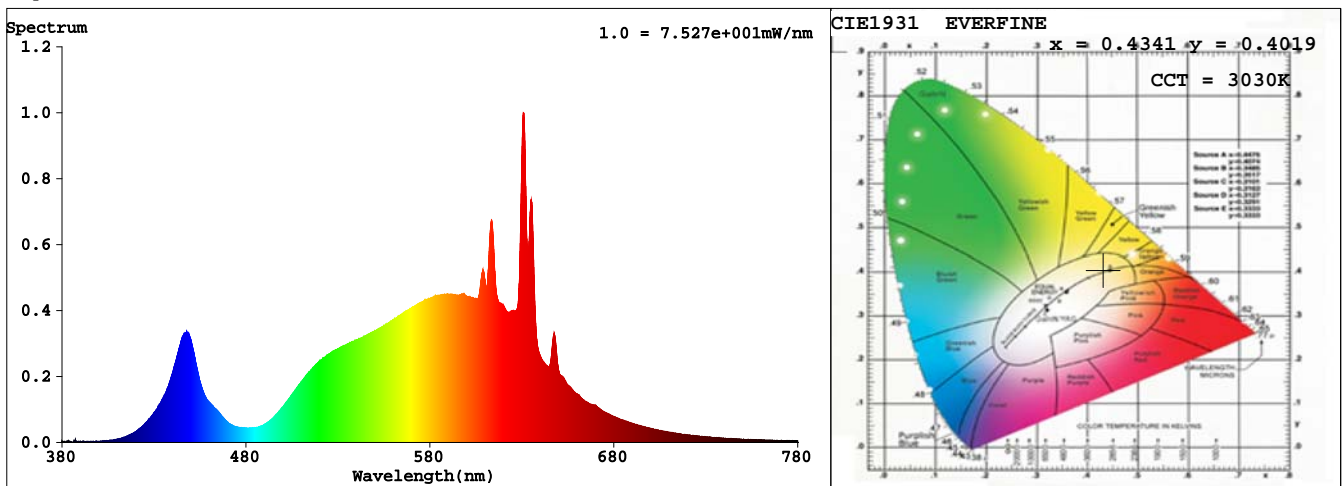
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:06:53
Specification	: DK286-30H-AL20568	Standardtus	:
Sample No.	: 40*280mm2	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52620 (80%)
Test Mode	: Fast Test	T	: 266 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4341$ $y = 0.4019$ / $u' = 0.2497$ $v' = 0.5201$ ($duv = -4.96e-04$) $Du, Dv: 0.0002, -0.0005$

CCT= 3030K Prcp WL: $L_d = 582.9nm$ Purity=50.9%

Peak WL: $L_p = 631nm$ FWHM: =8.1nm Ratio: R=22.7% G=75.7% B=1.6%

Render Index: $R_a = 80.3$

R1 =80 R2 =85 R3 =89 R4 =80 R5 =78 R6 =80 R7 =85

R8 =65 R9 =15 R10=64 R11=78 R12=57 R13=80 R14=93 R15=75

Photometric & Radiometric Parameters

Flux = 1883.9 lm Eff. : 193.96 lm/W $F_e = 5.4023 W$

Electrical parameters

$V = 27.75 V$ $I = 0.3500 A$ $P = 9.712 W$ PF = 1.000 F=0.00 Hz

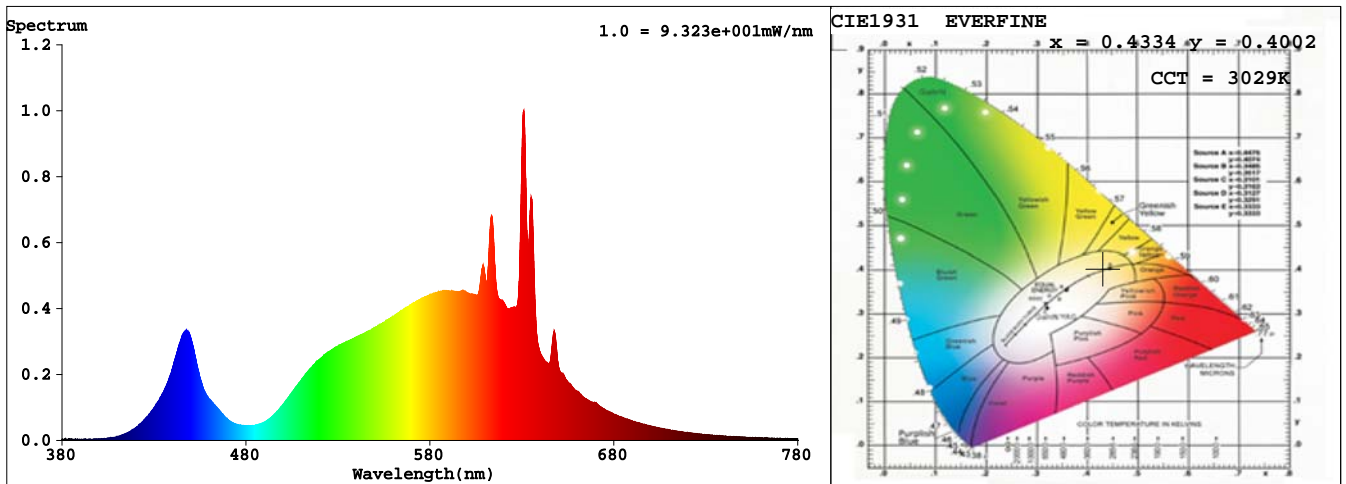
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:07:41
Specification	: DK286-30H-AL20568	Standardtus	:
Sample No.	: 40*280mm3	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52439 (80%)
Test Mode	: Fast Test	T	: 214 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4334$ $y = 0.4002$ / $u' = 0.2499$ $v' = 0.5193$ ($duv = -1.05e-03$) $Du, Dv: 0.0004, -0.0010$

CCT= 3029K Prcp WL: $L_d = 583.1nm$ Purity=50.2%

Peak WL: $L_p = 631nm$ FWHM: =8.2nm Ratio: R=22.7% G=75.6% B=1.7%

Render Index: $R_a = 80.2$

R1 =80	R2 =85	R3 =89	R4 =80	R5 =78	R6 =80	R7 =85	
R8 =65	R9 =15	R10=64	R11=78	R12=58	R13=80	R14=93	R15=75

Photometric & Radiometric Parameters

Flux = 2356.4 lm Eff. : 186.01 lm/W Fe = 6.7871 W

Electrical parameters

V = 28.15 V I = 0.4500 A P = 12.67 W PF = 1.000 F=0.00 Hz

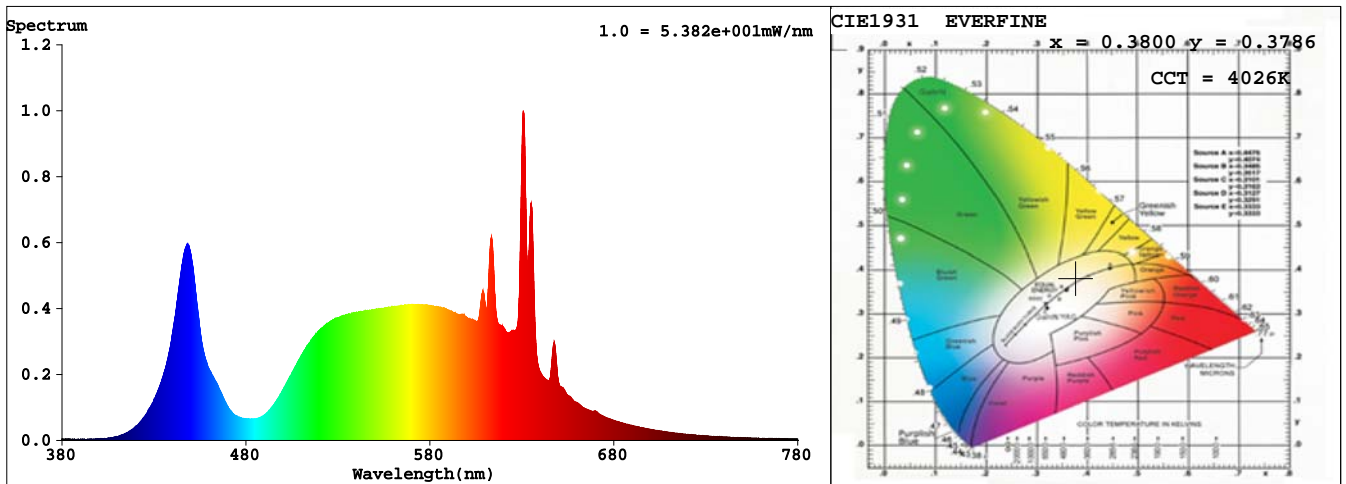
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:09:40
Specification	: DK286-30H-AL20568	Standardtus	:
Sample No.	: 40*280mm4	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52544 (80%)
Test Mode	: Fast Test	T	: 371 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3800$ $y = 0.3786$ / $u' = 0.2241$ $v' = 0.5023$ ($duv=1.01e-03$) $Du, Dv: -0.0006, 0.0008$

CCT= 4026K Prcp WL: $L_d=578.4nm$ Purity=27.7%

Peak WL: $L_p=631nm$ FWHM: =7.6nm Ratio:R=18.7% G=78.9% B=2.5%

Render Index: $R_a = 82.0$

R1 =83 R2 =84 R3 =82 R4 =84 R5 =81 R6 =77 R7 =87

R8 =77 R9 =34 R10=60 R11=83 R12=52 R13=82 R14=89 R15=81

Photometric & Radiometric Parameters

Flux = 1416.2 lm Eff. : 206.56 lm/W $F_e = 4.1371 W$

Electrical parameters

$V = 27.41 V$ $I = 0.2501 A$ $P = 6.856 W$ PF = 1.000 F=0.00 Hz

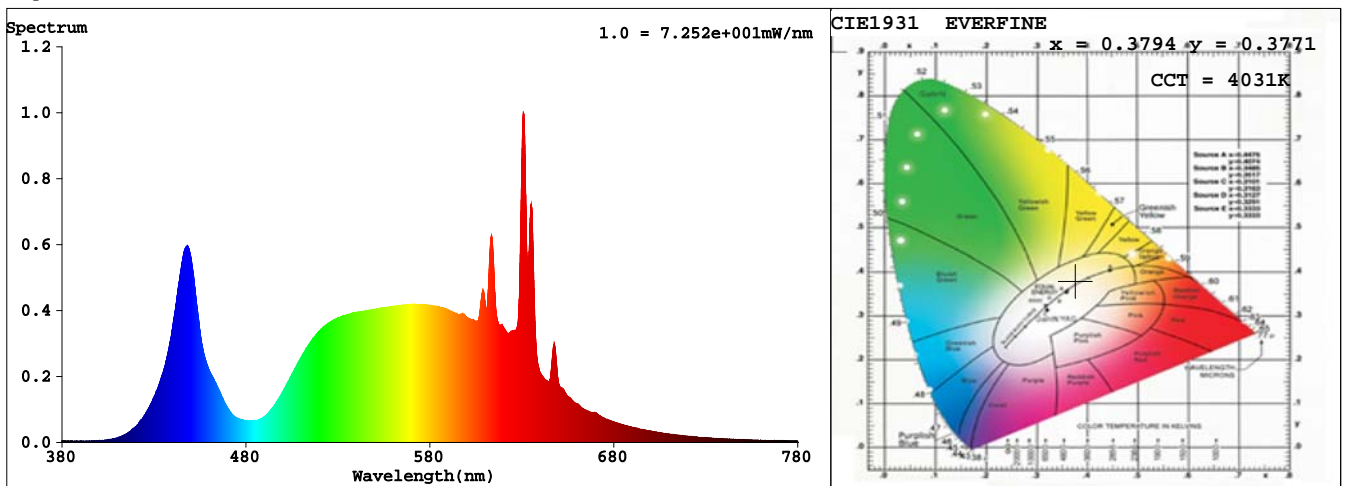
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:10:04
Specification	: DK286-30H-AL20568	Standardtus	:
Sample No.	: 40*280mm5	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52814 (81%)
Test Mode	: Fast Test	T	: 277 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3794$ $y = 0.3771$ / $u' = 0.2243$ $v' = 0.5016$ ($duv=4.58e-04$) $Du, Dv: -0.0003, 0.0004$
 CCT= 4031K Prcp WL: $Ld=578.7nm$ Purity=27.0%
 Peak WL: $Lp=631nm$ FWHM: =7.6nm Ratio:R=18.7% G=78.9% B=2.5%

Render Index: $Ra = 81.9$

R1 =83 R2 =84 R3 =82 R4 =84 R5 =82 R6 =77 R7 =87
 R8 =77 R9 =34 R10=59 R11=83 R12=53 R13=82 R14=89 R15=81

Photometric & Radiometric Parameters

Flux = 1937.2 lm Eff. : 198.30 lm/W $Fe = 5.6811 W$

Electrical parameters

$V = 27.91 V$ $I = 0.3500 A$ $P = 9.769 W$ PF = 1.000 F=0.00 Hz

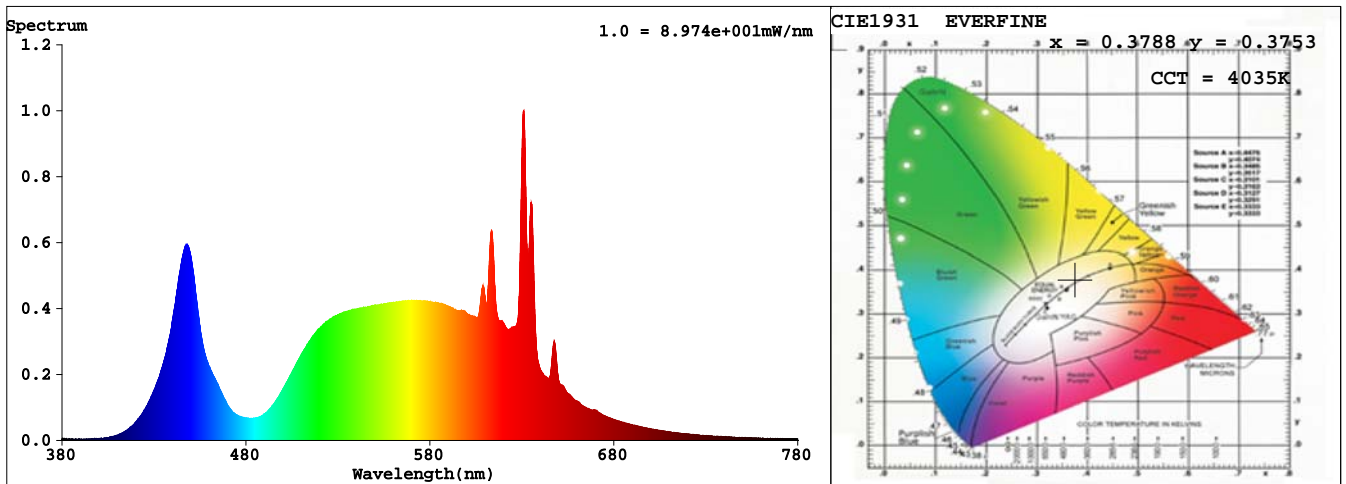
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:10:49
Specification	: DK286-30H-AL20568	Standardtus	:
Sample No.	: 40*280mm6	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52592 (80%)
Test Mode	: Fast Test	T	: 223 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3788$ $y = 0.3753$ / $u' = 0.2246$ $v' = 0.5007$ ($duv = -1.79e-04$) $Du, Dv: 0.0001, -0.0002$

CCT= 4035K Prcp WL: $L_d = 579.0nm$ Purity=26.3%

Peak WL: $L_p = 631nm$ FWHM: =7.7nm Ratio:R=18.7% G=78.8% B=2.5%

Render Index: $R_a = 81.9$

R1 =84 R2 =84 R3 =82 R4 =84 R5 =82 R6 =77 R7 =87

R8 =77 R9 =35 R10=59 R11=82 R12=53 R13=83 R14=89 R15=81

Photometric & Radiometric Parameters

Flux = 2428.4 lm Eff. : 190.38 lm/W $F_e = 7.1543 W$

Electrical parameters

V = 28.34 V I = 0.4501 A P = 12.76 W PF = 1.000 F=0.00 Hz

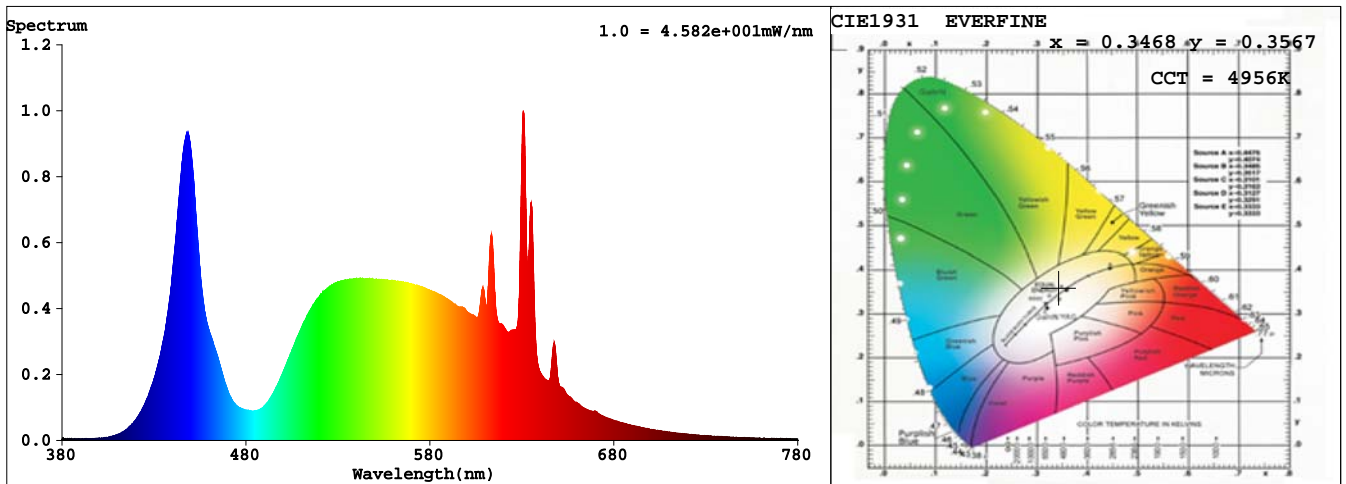
Spectrum Test Report

Sample	:	Date	:	2023-05-06 10:14:30
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	:	52207 (80%)
Test Mode	:	Fast Test	T	:	433 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3468$ $y = 0.3567$ / $u' = 0.2106$ $v' = 0.4874$ ($duv=1.88e-03$) $Du, Dv: -0.0013, 0.0014$

CCT= 4956K Prcp WL: $L_d=571.5nm$ Purity=11.1%

Peak WL: $L_p=631nm$ FWHM: =7.6nm Ratio:R=16.1% G=80.8% B=3.1%

Render Index: $R_a = 80.5$

R1 =82	R2 =82	R3 =79	R4 =82	R5 =80	R6 =74	R7 =86	
R8 =78	R9 =32	R10=54	R11=81	R12=48	R13=81	R14=88	R15=80

Photometric & Radiometric Parameters

Flux = 1415.9 lm Eff. : 206.82 lm/W $F_e = 4.2554 W$

Electrical parameters

$V = 27.37 V$ $I = 0.2501 A$ $P = 6.846 W$ PF = 1.000 F=0.00 Hz

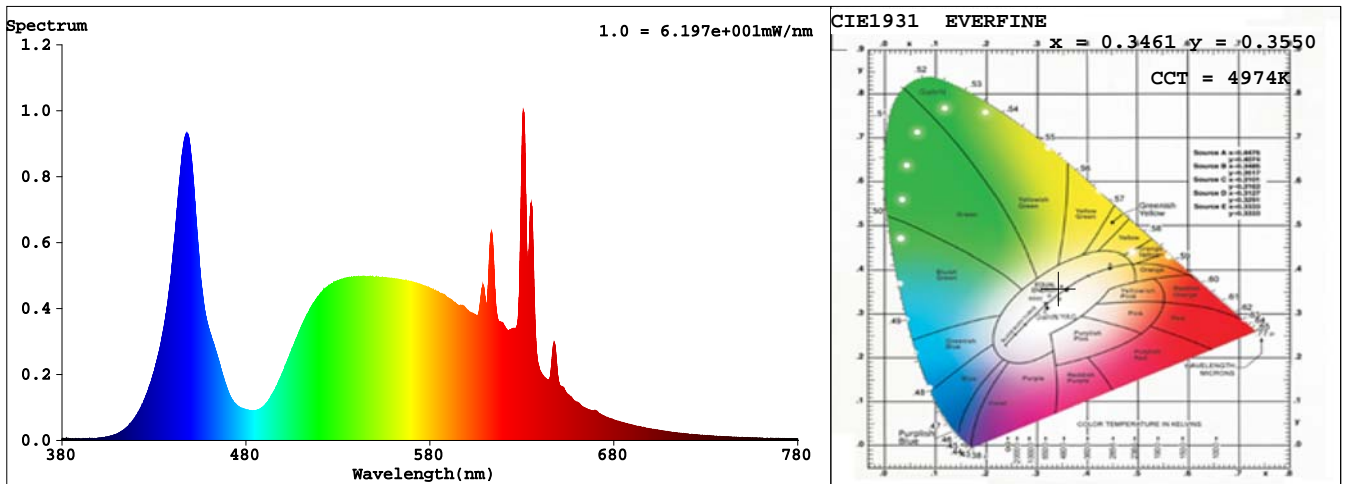
Spectrum Test Report

Sample	:	Date	:	2023-05-06 10:14:50
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	:	52802 (81%)
Test Mode	:	Fast Test	T	:	324 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3461$ $y = 0.3550$ / $u' = 0.2108$ $v' = 0.4865$ ($duv=1.28e-03$) $Du, Dv: -0.0009, 0.0009$
 CCT= 4974K Prcp WL: $Ld=571.8nm$ Purity=10.4%
 Peak WL: $Lp=631nm$ FWHM: =7.6nm Ratio:R=16.1% G=80.8% B=3.1%

Render Index: $Ra = 80.3$

R1 =82 R2 =81 R3 =79 R4 =82 R5 =81 R6 =74 R7 =86
 R8 =78 R9 =33 R10=54 R11=81 R12=48 R13=81 R14=87 R15=80

Photometric & Radiometric Parameters

Flux = 1937.8 lm Eff. : 198.63 lm/W Fe = 5.8490 W

Electrical parameters

V = 27.87 V I = 0.3501 A P = 9.756 W PF = 1.000 F=0.00 Hz

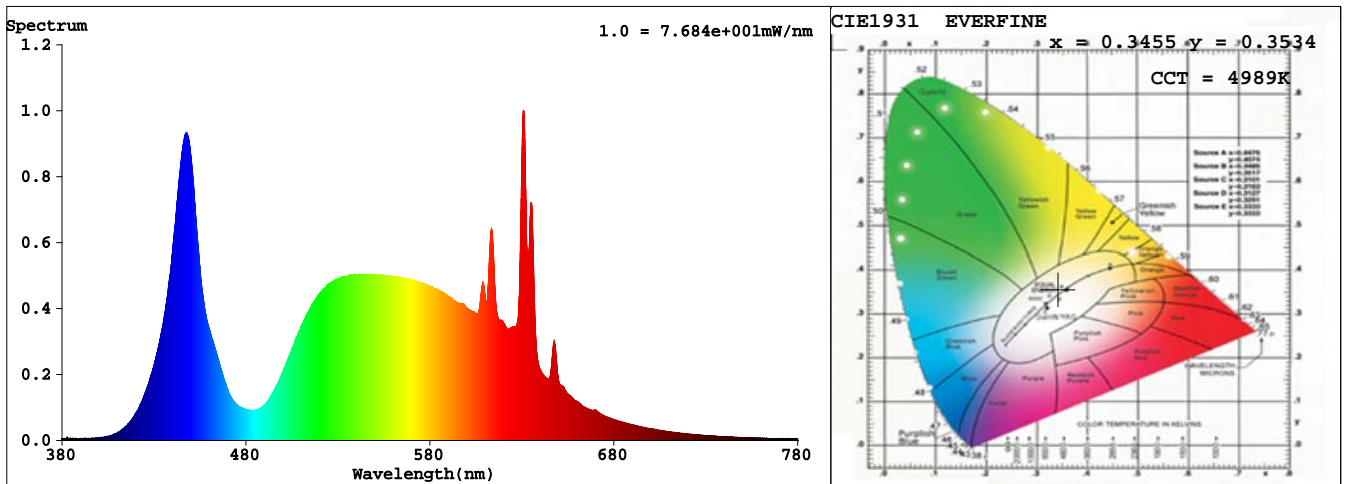
Spectrum Test Report

Sample	:		Date	:	2023-05-06 10:15:08
Specification	:	DK286-30H-AL20568	Standardtus	:	
Sample No.	:	40*280mm9	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52495 (80%)
Test Mode	:	Fast Test	T	:	260 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3455$ $y = 0.3534$ / $u' = 0.2110$ $v' = 0.4856$ ($duv=6.98e-04$) $Du, Dv: -0.0005, 0.0005$

CCT= 4989K Prcp WL: $L_d=572.2nm$ Purity=9.7%

Peak WL: $L_p=631nm$ FWHM: $=7.7nm$ Ratio: R=16.2% G=80.8% B=3.1%

Render Index: $R_a = 80.3$

R1 =82 R2 =81 R3 =78 R4 =82 R5 =81 R6 =74 R7 =85

R8 =78 R9 =33 R10=54 R11=81 R12=49 R13=81 R14=87 R15=81

Photometric & Radiometric Parameters

Flux = 2433.3 lm Eff. : 190.90 lm/W $F_e = 7.3803 W$

Electrical parameters

$V = 28.32 V$ $I = 0.4501 A$ $P = 12.75 W$ PF = 1.000 F=0.00 Hz

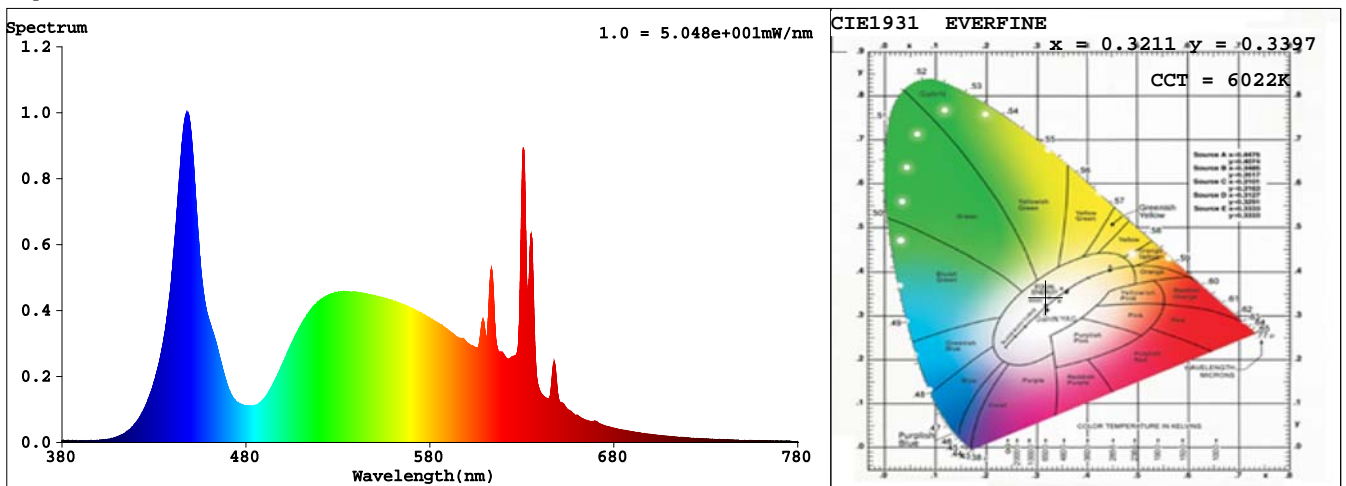
Spectrum Test Report

Sample	:	Date	:	2023-05-06 10:17:44
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	:	52486 (80%)
Test Mode	:	Fast Test	T	:	442 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3211$ $y = 0.3397$ / $u' = 0.1996$ $v' = 0.4751$ ($duv=4.52e-03$) $Du, Dv: -0.0035, 0.0028$

CCT= 6022K Prcp WL: $L_d=498.5nm$ Purity=3.8%

Peak WL: $L_p=448nm$ FWHM: =16.4nm Ratio:R=14.5% G=81.6% B=3.9%

Render Index: $R_a = 81.7$

R1 =84	R2 =82	R3 =78	R4 =83	R5 =83	R6 =76	R7 =86	
R8 =82	R9 =42	R10=55	R11=83	R12=53	R13=82	R14=87	R15=83

Photometric & Radiometric Parameters

Flux = 1389.5 lm Eff. : 202.88 lm/W Fe = 4.3170 W

Electrical parameters

V = 27.39 V I = 0.2501 A P = 6.849 W PF = 1.000 F=0.00 Hz

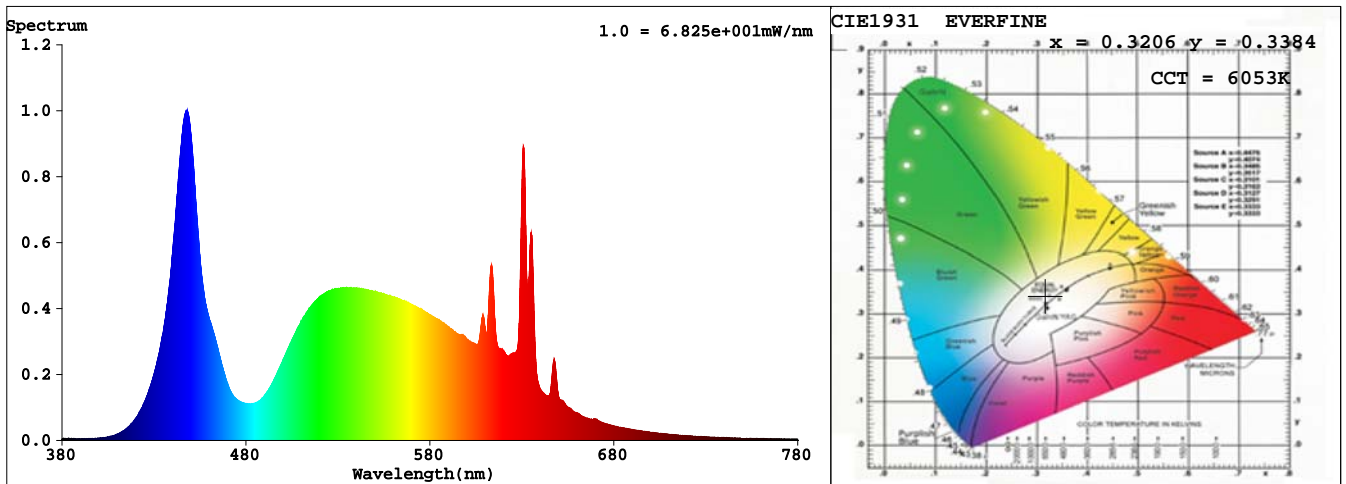
Spectrum Test Report

Sample	:	Date	:	2023-05-06 10:18:01
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	:	52686 (80%)
Test Mode	:	Fast Test	T	:	329 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3206, y = 0.3384 / u' = 0.1997, v' = 0.4744$ ($duv=4.12e-03$) $Du, Dv: -0.0032, 0.0026$

CCT= 6053K Prcp WL: $Ld=496.8nm$ Purity=4.0%

Peak WL: $Lp=448nm$ FWHM: $=17.0nm$ Ratio: R=14.5% G=81.6% B=3.9%

Render Index: $Ra = 81.5$

R1 =84 R2 =81 R3 =78 R4 =83 R5 =83 R6 =76 R7 =85
 R8 =82 R9 =42 R10=55 R11=83 R12=54 R13=82 R14=87 R15=83

Photometric & Radiometric Parameters

Flux = 1904.3 lm Eff. : 195.07 lm/W Fe = 5.9369 W

Electrical parameters

V = 27.89 V I = 0.3501 A P = 9.763 W PF = 1.000 F=0.00 Hz

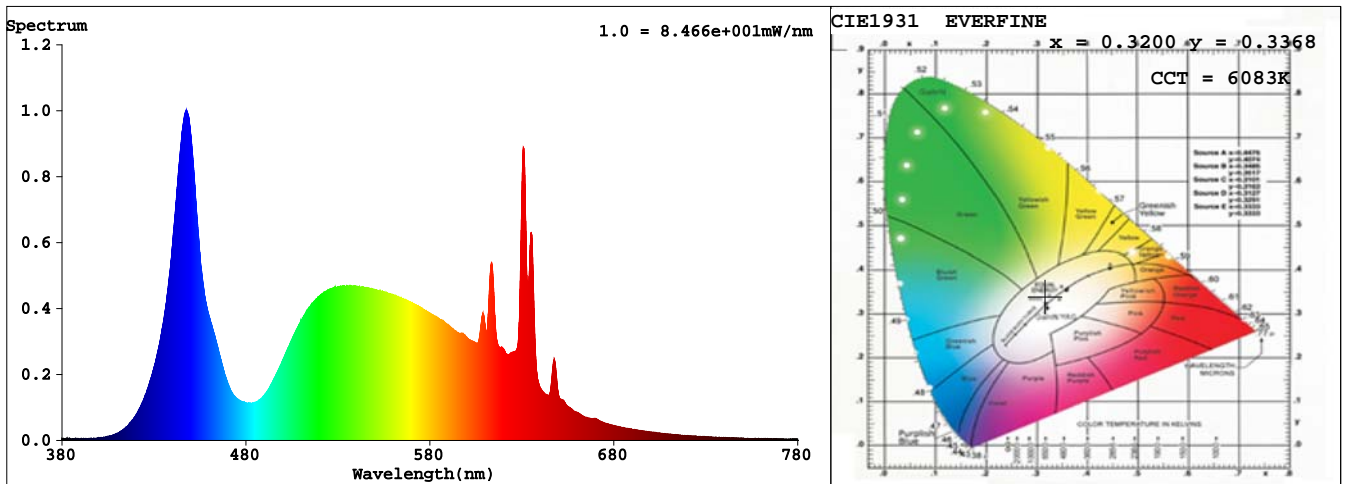
Spectrum Test Report

Sample	:	Date	:	2023-05-06 10:18:22
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	:	52615 (80%)
Test Mode	:	Fast Test	T	:	266 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3200$ $y = 0.3368$ / $u' = 0.2000$ $v' = 0.4735$ ($duv=3.58e-03$) $Du, Dv: -0.0028, 0.0022$

CCT= 6083K Prcp WL: $L_d=495.1nm$ Purity=4.3%

Peak WL: $L_p=448nm$ FWHM: $=17.9nm$ Ratio: R=14.5% G=81.6% B=3.9%

Render Index: $R_a = 81.4$

R1 =84 R2 =81 R3 =77 R4 =83 R5 =83 R6 =76 R7 =85

R8 =82 R9 =43 R10=55 R11=83 R12=54 R13=82 R14=87 R15=83

Photometric & Radiometric Parameters

Flux = 2391.1 lm Eff. : 187.54 lm/W $F_e = 7.4897 W$

Electrical parameters

V = 28.33 V I = 0.4500 A P = 12.75 W PF = 1.000 F=0.00 Hz

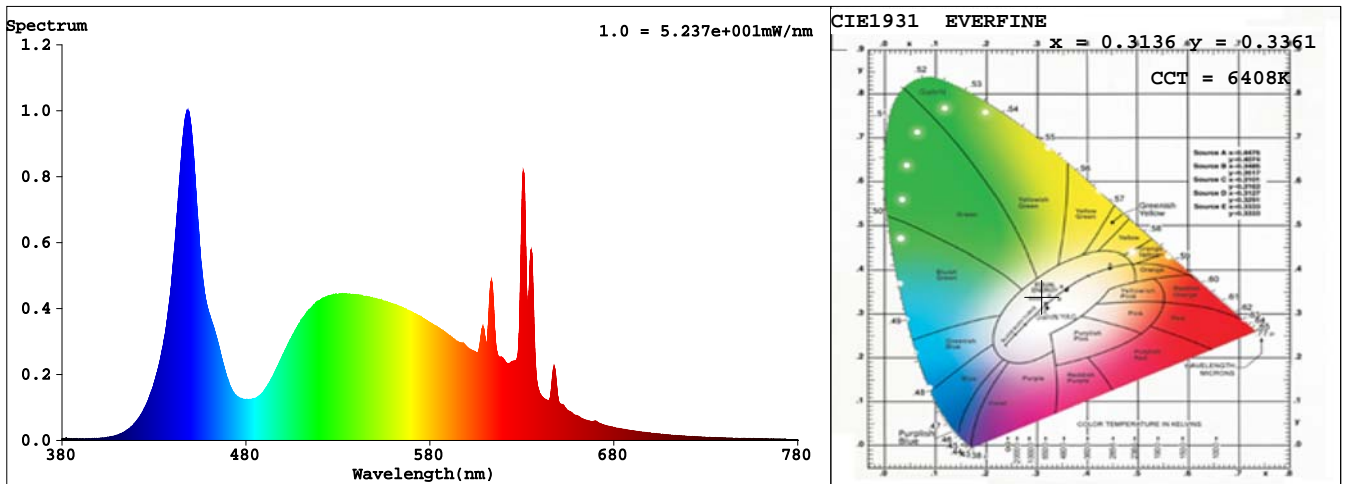
Spectrum Test Report

Sample	:		Date	:	2023-05-06 10:20:34
Specification	:	DK286-30H-AL20568	Standardtus	:	
Sample No.	:	40*280mm13	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	EVERFINE	Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	52158 (80%)
Test Mode	:	Fast Test	T	:	463 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3136$ $y = 0.3361$ / $u' = 0.1958$ $v' = 0.4722$ ($duv=6.37e-03$) $Du, Dv: -0.0051, 0.0038$

CCT= 6408K Prcp WL: $L_d=493.5nm$ Purity=6.5%

Peak WL: $L_p=448nm$ FWHM: =16.5nm Ratio:R=13.8% G=81.8% B=4.3%

Render Index: $R_a = 81.9$

R1 =83 R2 =82 R3 =80 R4 =83 R5 =83 R6 =77 R7 =87

R8 =81 R9 =38 R10=56 R11=83 R12=53 R13=81 R14=89 R15=81

Photometric & Radiometric Parameters

Flux = 1392.1 lm Eff. : 203.34 lm/W $F_e = 4.3590 W$

Electrical parameters

$V = 27.37 V$ $I = 0.2501 A$ $P = 6.846 W$ PF = 1.000 F=0.00 Hz

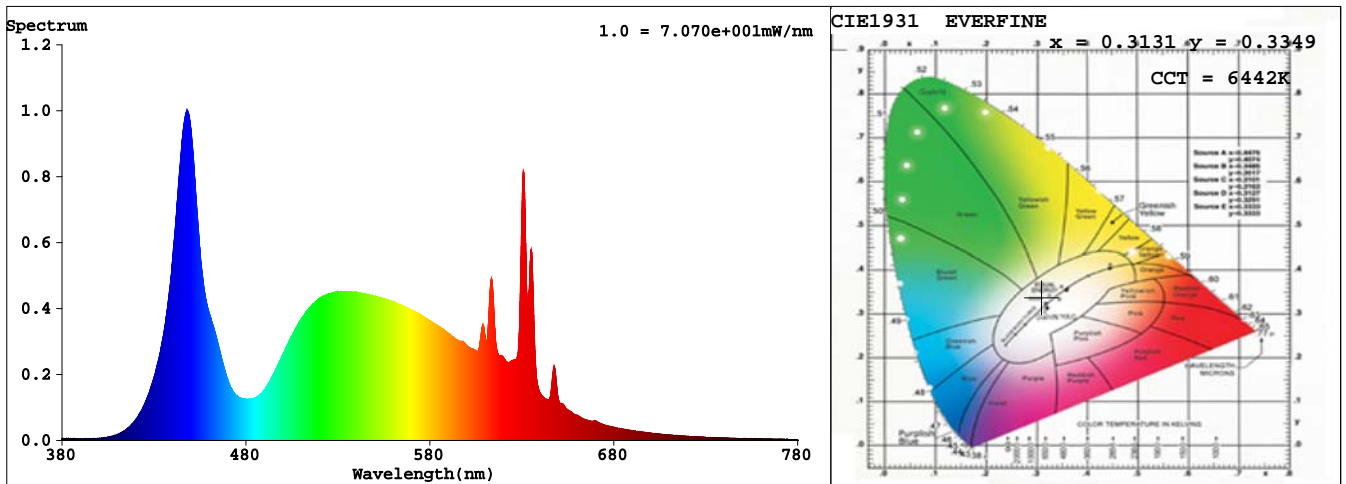
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:20:54
Specification	: DK286-30H-AL20568	Standardtus	:
Sample No.	: 40*280mm14	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: EVERFINE	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52588 (80%)
Test Mode	: Fast Test	T	: 346 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3131, y = 0.3349 / u' = 0.1959, v' = 0.4715$ ($duv=5.97e-03$) $Du, Dv: -0.0048, 0.0035$

CCT= 6442K Prcp WL: $L_d=492.7nm$ Purity=6.7%

Peak WL: $L_p=448nm$ FWHM: $=17.1nm$ Ratio: R=13.8% G=81.8% B=4.3%

Render Index: $R_a = 81.7$

R1 =83 R2 =82 R3 =79 R4 =83 R5 =83 R6 =76 R7 =86

R8 =81 R9 =38 R10=56 R11=83 R12=54 R13=81 R14=88 R15=81

Photometric & Radiometric Parameters

Flux = 1907.9 lm Eff. : 195.55 lm/W $F_e = 5.9941 W$

Electrical parameters

$V = 27.87 V$ $I = 0.3501 A$ $P = 9.757 W$ PF = 1.000 F=0.00 Hz

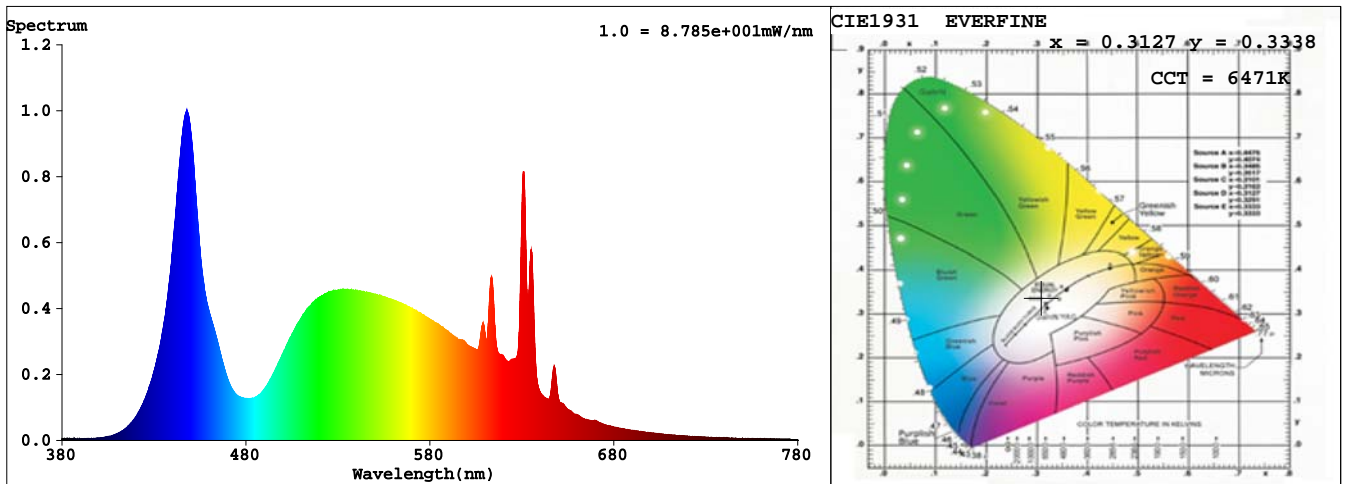
Spectrum Test Report

Sample	:	Date	: 2023-05-06 10:21:08
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	: 52310 (80%)
Test Mode	: Fast Test	T	: 278 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3127$ $y = 0.3338$ / $u' = 0.1961$ $v' = 0.4708$ ($duv=5.61e-03$) $Du, Dv: -0.0045, 0.0033$

CCT= 6471K Prcp WL: $L_d=492.0nm$ Purity=6.9%

Peak WL: $L_p=448nm$ FWHM: $=17.8nm$ Ratio: R=13.8% G=81.9% B=4.3%

Render Index: $R_a = 81.6$

R1 =83 R2 =82 R3 =79 R4 =83 R5 =83 R6 =76 R7 =86

R8 =81 R9 =39 R10=55 R11=83 R12=54 R13=81 R14=88 R15=82

Photometric & Radiometric Parameters

Flux = 2400.4 lm Eff. : 188.33 lm/W $F_e = 7.5674 W$

Electrical parameters

$V = 28.32 V$ $I = 0.4500 A$ $P = 12.75 W$ PF = 1.000 F=0.00 Hz