

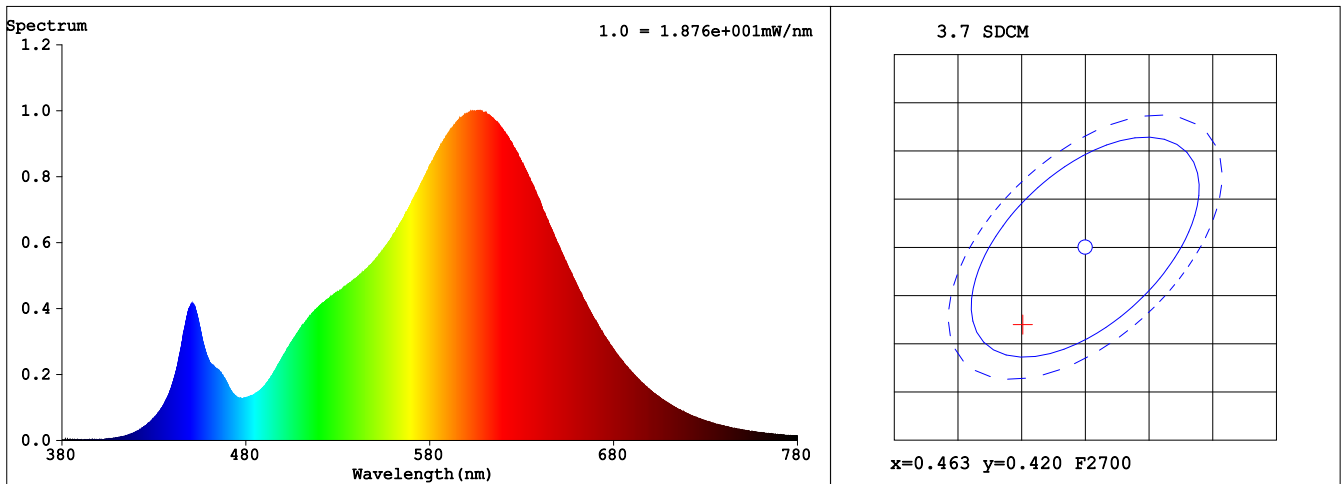
Spectrum Test Report

Sample	:	Date	: 2023-10-09 14:24:03
Specification	: LL286-12S1P--140*20MM-21042	Standardtus	:
Sample No.	: 2700K	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48607 (74%)
Test Mode	: Accuracy Test	T	: 936 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4581$ $y = 0.4120$ / $u' = 0.2607$ $v' = 0.5276$ ($duv=6.54e-04$) $Du, Dv: -0.0002, 0.0006$

CCT= 2736K Prcp WL: $L_d=583.8nm$ Purity=61.2%

Peak WL: $L_p=606nm$ FWHM: =115.8nm Ratio:R=24.6% G=73.4% B=2.0%

Render Index: $R_a = 81.3$

R1 =79 R2 =90 R3 =97 R4 =79 R5 =80 R6 =88 R7 =82
 R8 =56 R9 =2 R10=77 R11=79 R12=71 R13=82 R14=99 R15=71

Photometric & Radiometric Parameters

Flux = 860.44 lm Eff. : 172.41 lm/W $F_e = 2.6049 W$

Electrical parameters

V = 33.23 V I = 0.1502 A P = 4.991 W PF = 1.000 F=0.00 Hz

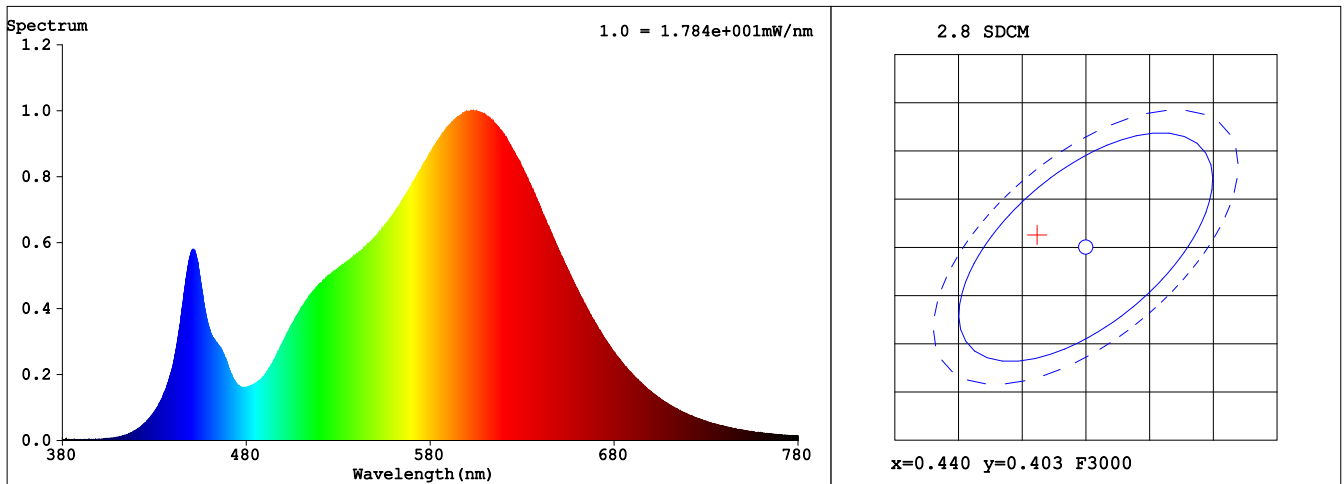
Spectrum Test Report

Sample	:	Date	:	2023-10-09 14:32:04
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	:	48497 (74%)
Test Mode	:	Accuracy Test	T	:	987 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4362$ $y = 0.4043$ / $u' = 0.2500$ $v' = 0.5213$ ($duv=1.78e-04$) $Du, Dv: -0.0001, 0.0002$

CCT= 3014K Prcp WL: $L_d=582.7nm$ Purity=52.3%

Peak WL: $L_p=604nm$ FWHM: =131.4nm Ratio:R=22.7% G=74.9% B=2.3%

Render Index: $R_a = 82.2$

R1 =81 R2 =90 R3 =97 R4 =81 R5 =80 R6 =87 R7 =83

R8 =59 R9 =6 R10=77 R11=80 R12=68 R13=83 R14=99 R15=73

Photometric & Radiometric Parameters

Flux = 876.25 lm Eff. : 176.12 lm/W $F_e = 2.6402 W$

Electrical parameters

V = 33.15 V I = 0.1501 A P = 4.975 W PF = 1.000 F=0.00 Hz

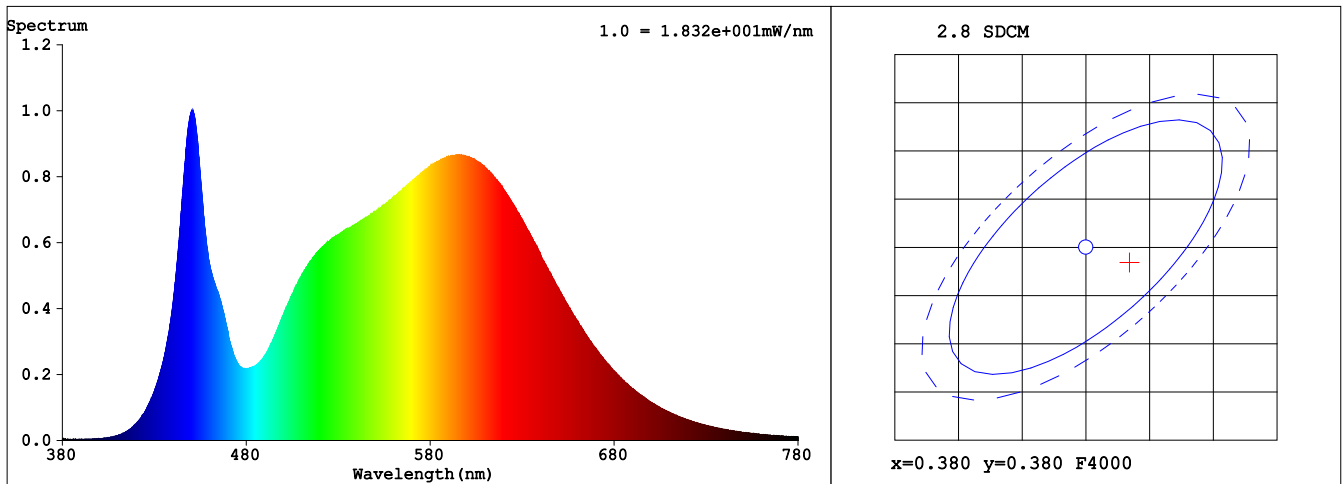
Spectrum Test Report

Sample	:	Date	:	2023-10-09 14:43:26
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	:	48185 (74%)
Test Mode	:	Accuracy Test	T	:	1124 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3834$ $y = 0.3784$ / $u' = 0.2264$ $v' = 0.5028$ ($duv = -8.85e-05$) $Du, Dv: 0.0000, -0.0001$

CCT= 3932K Prcp WL: $Ld=579.4nm$ Purity=28.6%

Peak WL: $Lp=451nm$ FWHM: =19.8nm Ratio:R=18.6% G=78.1% B=3.3%

Render Index: $Ra = 82.9$

R1 =82 R2 =88 R3 =93 R4 =82 R5 =81 R6 =84 R7 =86

R8 =66 R9 =11 R10=72 R11=81 R12=61 R13=83 R14=96 R15=76

Photometric & Radiometric Parameters

Flux = 913.04 lm Eff. : 183.45 lm/W $Fe = 2.7735 W$

Electrical parameters

$V = 33.16 V$ $I = 0.1501 A$ $P = 4.977 W$ PF = 1.000 F=0.00 Hz

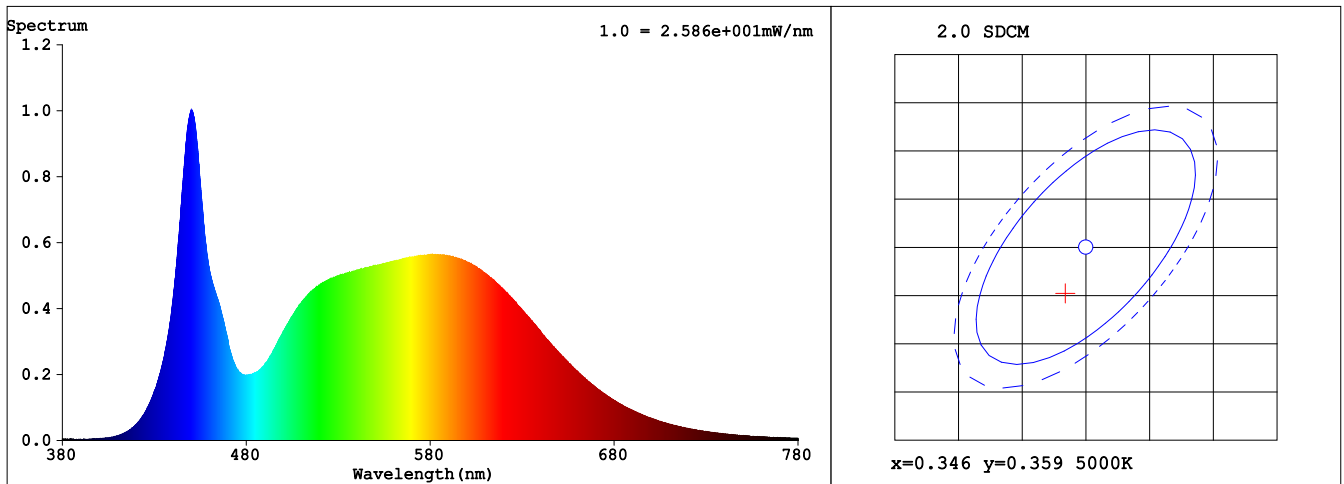
Spectrum Test Report

Sample	:		Date	:	2023-10-09 14:58:05
Specification	:	LL286-12S1P--140*20MM-21042	Standardtus	:	
Sample No.	:	5000K	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	48779 (74%)
Test Mode	:	Accuracy Test	T	:	1266 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3444$ $y = 0.3542$ / $u' = 0.2099$ $v' = 0.4858$ ($duv=1.58e-03$) $Du, Dv: -0.0011, 0.0011$

CCT= 5035K Prcp WL: $L_d=570.6nm$ Purity=9.6%

Peak WL: $L_p=450nm$ FWHM: =19.1nm Ratio:R=15.7% G=80.1% B=4.3%

Render Index: $R_a = 82.6$

R1 =81 R2 =87 R3 =91 R4 =83 R5 =82 R6 =82 R7 =87

R8 =68 R9 =9 R10=68 R11=83 R12=61 R13=82 R14=95 R15=76

Photometric & Radiometric Parameters

Flux = 925.66 lm Eff. : 185.62 lm/W $F_e = 2.8813 W$

Electrical parameters

V = 33.22 V I = 0.1501 A P = 4.987 W PF = 1.000 F=0.00 Hz

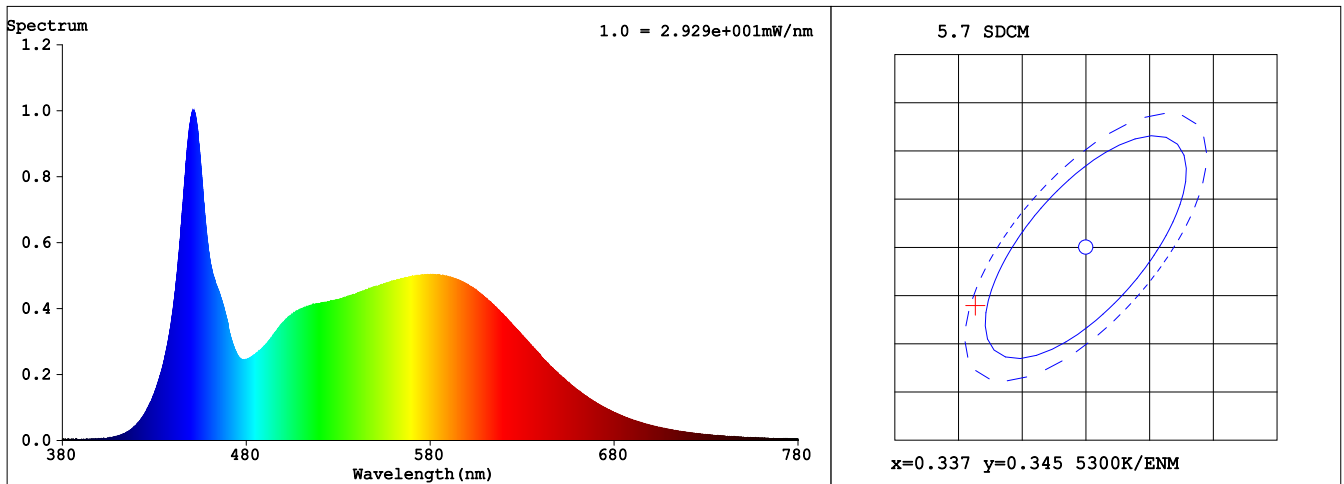
Spectrum Test Report

Sample	:	Date	:	2023-10-09 15:06:42
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	:	48712 (74%)
Test Mode	:	Accuracy Test	T	:	1255 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3283$ $y = 0.3389$ / $u' = 0.2049$ $v' = 0.4758$ ($duv=7.76e-04$) $Du, Dv: -0.0006, 0.0005$

CCT= 5685K Prcp WL: $Ld=507.2nm$ Purity=1.5%

Peak WL: $Lp=452nm$ FWHM: $=19.7nm$ Ratio: R=14.7% G=79.9% B=5.4%

Render Index: $Ra = 84.3$

R1 =83 R2 =90 R3 =94 R4 =84 R5 =84 R6 =85 R7 =87

R8 =68 R9 =7 R10=76 R11=84 R12=65 R13=85 R14=97 R15=77

Photometric & Radiometric Parameters

Flux = 933.32 lm Eff. : 187.29 lm/W $Fe = 2.9660 W$

Electrical parameters

V = 33.20 V I = 0.1501 A P = 4.983 W PF = 1.000 F=0.00 Hz

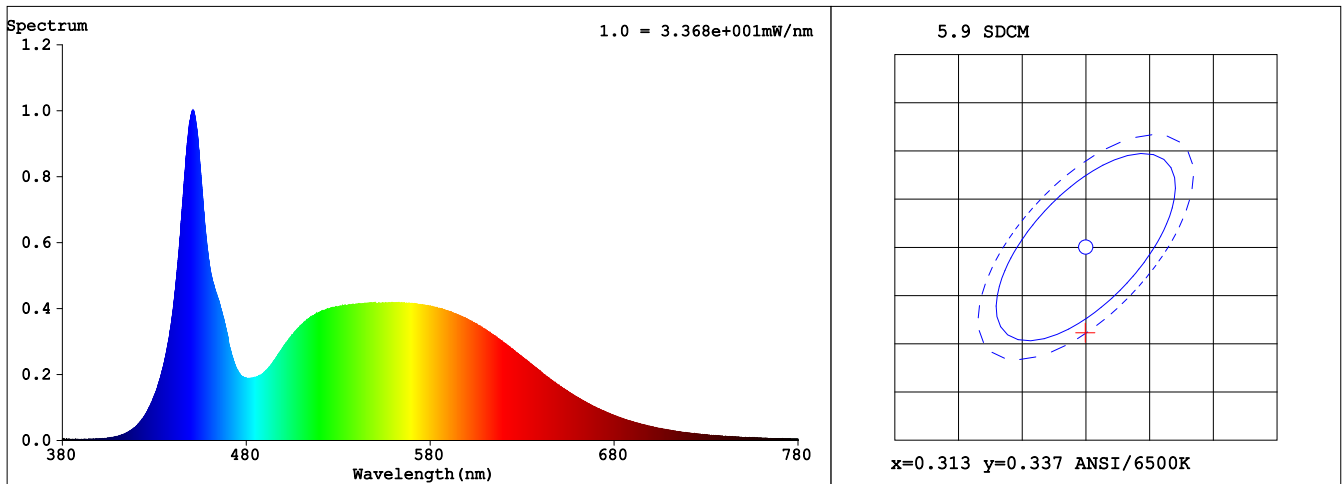
Spectrum Test Report

Sample	:		Date	:	2023-10-09 15:16:14
Specification	:	LL286-12S1P--140*20MM-21042	Standardtus	:	
Sample No.	:	6500K	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	46692 (71%)
Test Mode	:	Accuracy Test	T	:	1121 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3130$ $y = 0.3281$ / $u' = 0.1983$ $v' = 0.4679$ ($duv=2.61e-03$) $Du, Dv: -0.0021, 0.0015$

CCT= 6498K Prcp WL: $L_d=488.4nm$ Purity=7.3%

Peak WL: $L_p=451nm$ FWHM: =18.9nm Ratio:R=13.5% G=81.2% B=5.3%

Render Index: $R_a = 83.0$

R1 =82 R2 =87 R3 =89 R4 =84 R5 =82 R6 =81 R7 =88

R8 =71 R9 =11 R10=67 R11=83 R12=56 R13=83 R14=94 R15=78

Photometric & Radiometric Parameters

Flux = 916.17 lm Eff. : 183.87 lm/W $F_e = 2.9675 W$

Electrical parameters

V = 33.20 V I = 0.1501 A P = 4.983 W PF = 1.000 F=0.00 Hz