

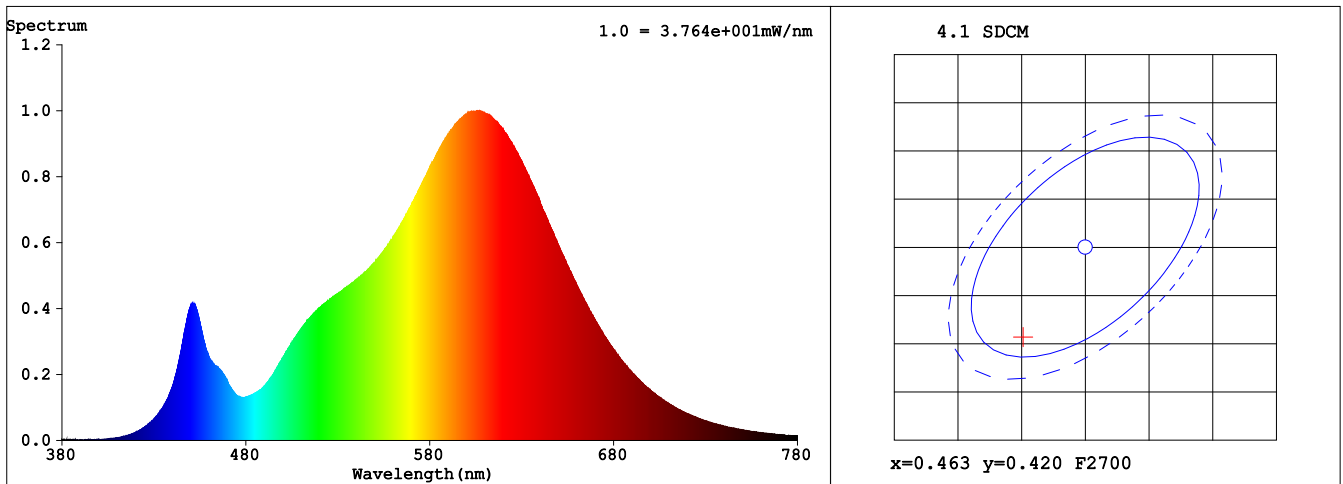
Spectrum Test Report

Sample	:		Date	:	2023-10-09 14:22:08
Specification	:	LL286-12S2P--280*20MM-21044	Standard	:	
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	:	48682 (74%)
Test Mode	:	Accuracy Test	T	:	467 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4581$ $y = 0.4107$ / $u' = 0.2613$ $v' = 0.5271$ ($duv=1.73e-04$) $Du, Dv: -0.0001, 0.0002$

CCT= 2725K Prcp WL: $L_d=584.0nm$ Purity=60.8%

Peak WL: $L_p=607nm$ FWHM: =114.6nm Ratio:R=24.8% G=73.2% B=2.0%

Render Index: $R_a = 81.4$

R1 =80 R2 =90 R3 =96 R4 =79 R5 =80 R6 =89 R7 =81

R8 =56 R9 =3 R10=78 R11=79 R12=72 R13=82 R14=99 R15=72

Photometric & Radiometric Parameters

Flux = 1717.4 lm Eff. : 171.84 lm/W $F_e = 5.2174 W$

Electrical parameters

V = 33.30 V I = 0.3001 A P = 9.994 W PF = 1.000 F=0.00 Hz

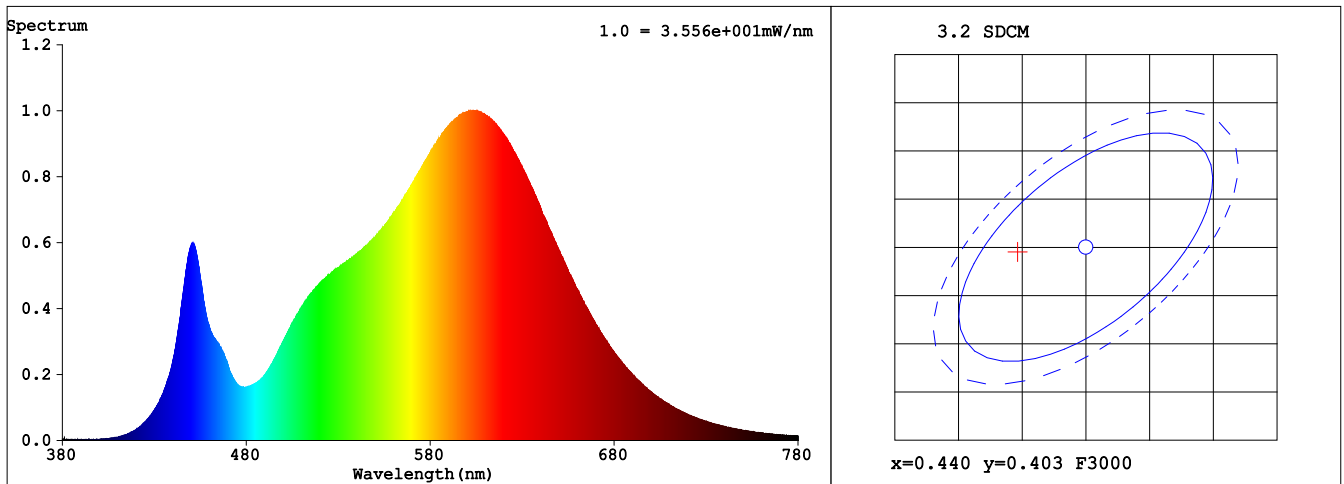
Spectrum Test Report

Sample	:		Date	:	2023-10-09 14:30:40
Specification	:	LL286-12S2P--280*20MM-21044	Standardtus	:	
Sample No.	:	3000K	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	48524 (74%)
Test Mode	:	Accuracy Test	T	:	495 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4346$ $y = 0.4025$ / $u' = 0.2498$ $v' = 0.5204$ ($duv = -3.12e-04$) $Du, Dv: 0.0001, -0.0003$

CCT= 3026K Prcp WL: $Ld=582.8nm$ Purity=51.3%

Peak WL: $Lp=604nm$ FWHM: $=131.6nm$ Ratio:R=22.7% G=74.9% B=2.4%

Render Index: $Ra = 82.3$

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

R8 =59 R9 =6 R10=77 R11=80 R12=68 R13=83 R14=98 R15=73

Photometric & Radiometric Parameters

Flux = 1750.5 lm Eff. : 175.33 lm/W $Fe = 5.2873 W$

Electrical parameters

V = 33.27 V I = 0.3001 A P = 9.984 W PF = 1.000 F=0.00 Hz

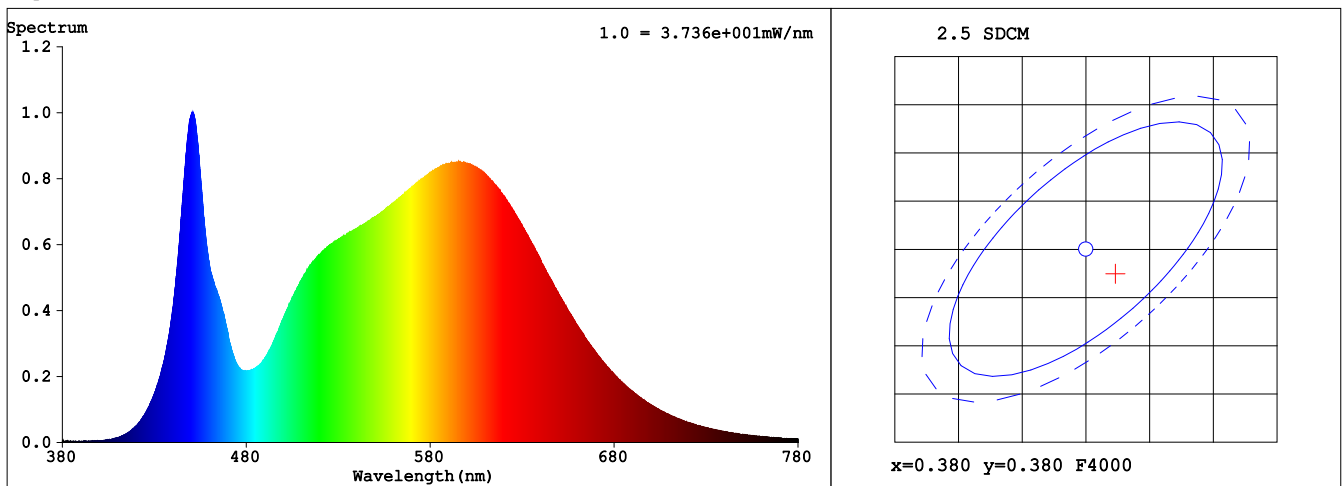
Spectrum Test Report

Sample	:	Date	: 2023-10-09 14:38:37
Specification	: LL286-12S2P--280*20MM-21044	Standardtus	:
Sample No.	: 4000K	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: DAMIN
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 48285 (74%)
Test Mode	: Accuracy Test	T	: 562 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3823$ $y = 0.3775$ / $u' = 0.2261$ $v' = 0.5022$ ($duv = -2.16e-04$) $Du, Dv: 0.0001, -0.0002$

CCT= 3955K Prcp WL: $L_d = 579.4\text{nm}$ Purity=28.0%

Peak WL: $L_p = 451\text{nm}$ FWHM: =19.6nm Ratio: R=18.5% G=78.1% B=3.3%

Render Index: $R_a = 82.9$

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 = 1834.4 lm Eff. : 183.54 lm/W $F_e = 5.5795$ W

Electrical parameters

V = 33.30 V I = 0.3001 A P = 9.995 W PF = 1.000 F=0.00 Hz

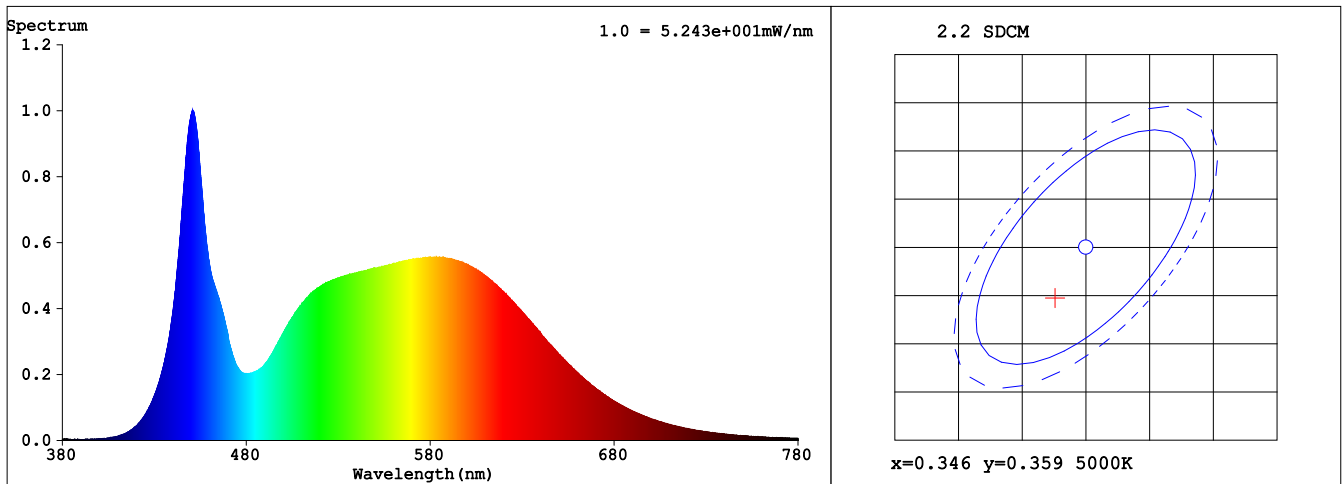
Spectrum Test Report

Sample	:		Date	:	2023-10-09 14:56:28
Specification	:	LL286-12S2P--280*20MM-21044	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	:	48792 (74%)
Test Mode	:	Accuracy Test	T	:	633 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3436$ $y = 0.3537$ / $u' = 0.2096$ $v' = 0.4855$ ($duv=1.67e-03$) $Du, Dv: -0.0012, 0.0012$

CCT= 5064K Prcp WL: $L_d=570.1nm$ Purity=9.2%

Peak WL: $L_p=451nm$ FWHM: =19.1nm Ratio:R=15.6% G=80.0% B=4.4%

Render Index: $R_a = 82.9$

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

R8 =68 R9 =9 R10=70 R11=83 R12=60 R13=83 R14=95 R15=77

Photometric & Radiometric Parameters

Flux = 1853.8 lm Eff. : 185.59 lm/W $F_e = 5.7759 W$

Electrical parameters

V = 33.28 V I = 0.3001 A P = 9.989 W PF = 1.000 F=0.00 Hz

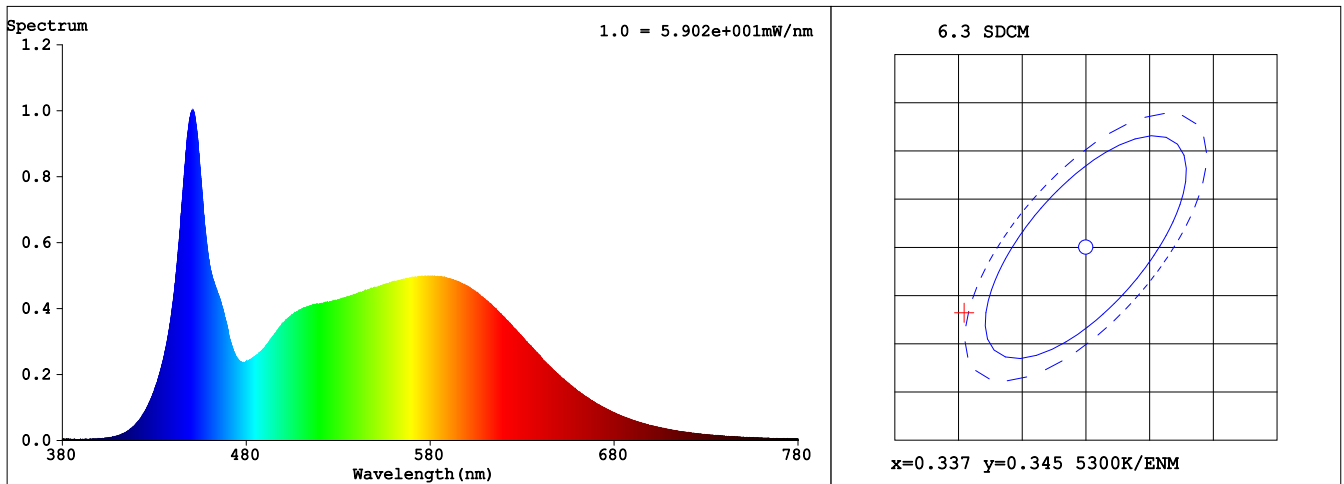
Spectrum Test Report

Sample	:		Date	:	2023-10-09 15:05:05
Specification	:	LL286-12S2P--280*20MM-21044	Standardtus	:	
Sample No.	:	5700K	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:		Test by	:	DAMIN
Assessor	:	damin			
Remark	:				

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	48719 (74%)
Test Mode	:	Accuracy Test	T	:	629 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3274$ $y = 0.3382$ / $u' = 0.2045$ $v' = 0.4753$ ($duv=7.95e-04$) $Du, Dv: -0.0006, 0.0005$

CCT= 5727K Prcp WL: $L_d=502.8nm$ Purity=1.8%

Peak WL: $L_p=451nm$ FWHM: =19.5nm Ratio:R=14.6% G=80.0% B=5.4%

Render Index: $R_a = 84.1$

R1 =82 R2 =89 R3 =93 R4 =84 R5 =84 R6 =85 R7 =87

R8 =68 R9 =7 R10=75 R11=84 R12=65 R13=84 R14=97 R15=77

Photometric & Radiometric Parameters

Flux = 1865.2 lm Eff. : 186.67 lm/W $F_e = 5.9310 W$

Electrical parameters

V = 33.30 V I = 0.3001 A P = 9.992 W PF = 1.000 F=0.00 Hz

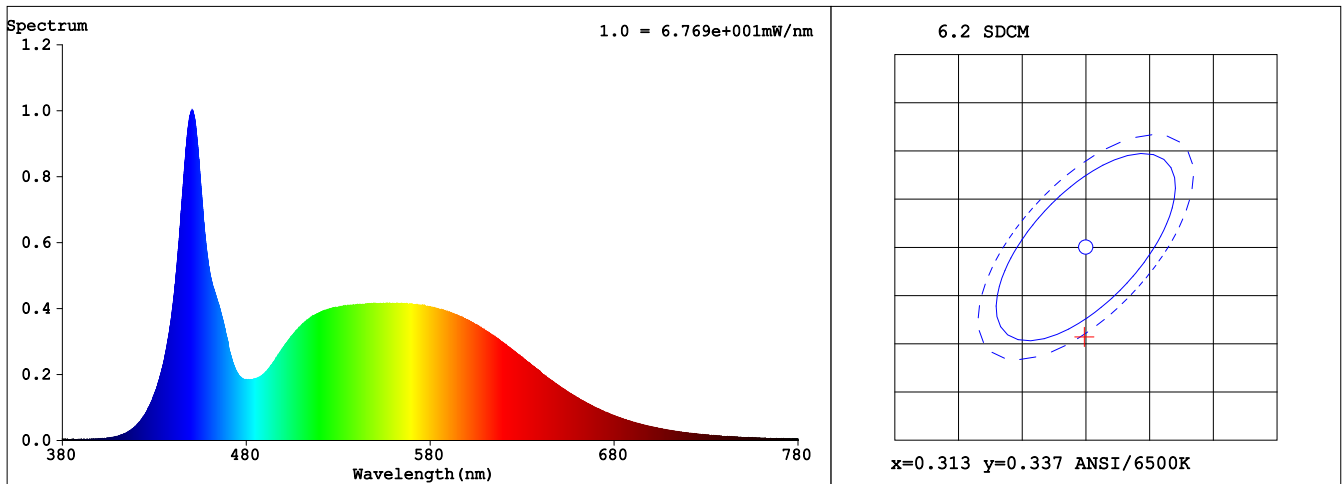
Spectrum Test Report

Sample	:	Date	:	2023-10-09 15:14:19
Specification	:	Standard	:	
Sample No.	:	Instrument	:	HaasSuite(EVERFINE)
Manufacturer	:	Test by	:	DAMIN
Assessor	:			
Remark	:			

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	46958 (72%)
Test Mode	:	Accuracy Test	T	:	561 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3129$ $y = 0.3277$ / $u' = 0.1984$ $v' = 0.4676$ ($duv=2.43e-03$) $Du, Dv: -0.0020, 0.0014$

CCT= 6506K Prcp WL: $L_d=488.1nm$ Purity=7.3%

Peak WL: $L_p=451nm$ FWHM: =18.8nm Ratio:R=13.5% G=81.2% B=5.3%

Render Index: $R_a = 82.8$

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

R8 =72 R9 =10 R10=67 R11=83 R12=56 R13=83 R14=94 R15=78

Photometric & Radiometric Parameters

Flux = 1831.9 lm Eff. : 183.13 lm/W $F_e = 5.9343 W$

Electrical parameters

V = 33.33 V I = 0.3001 A P = 10.00 W PF = 1.000 F=0.00 Hz