

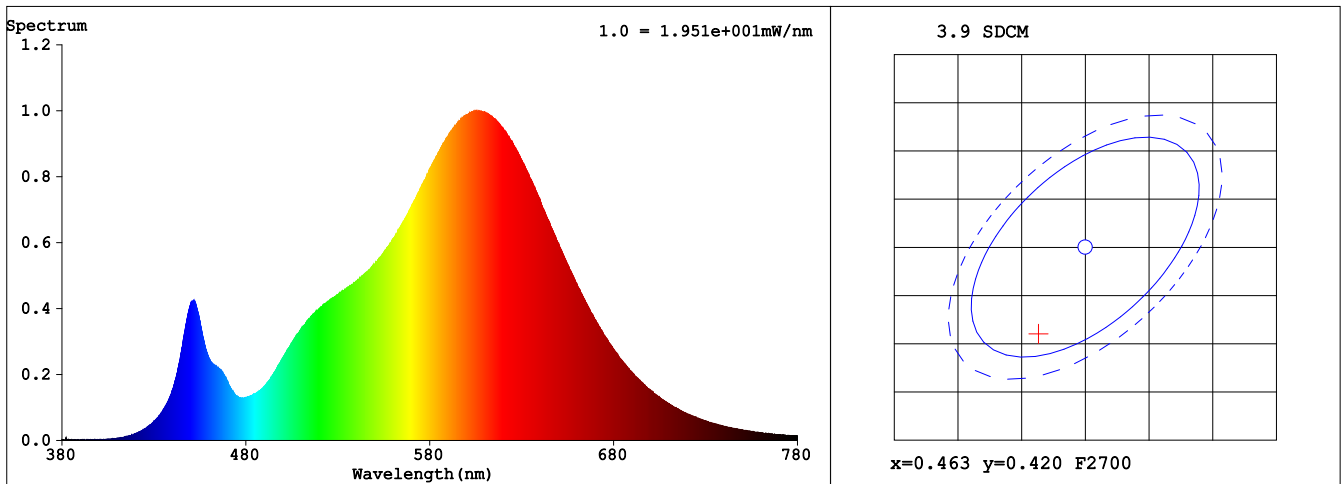
Spectrum Test Report

Sample	:	Date	:	2023-10-09 11:44:23
Specification	:	Standard	:	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	:	48747 (74%)
Test Mode	:	Accuracy Test	T	:	903 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4593$ $y = 0.4110$ / $u' = 0.2620$ $v' = 0.5274$ ($duv=1.94e-04$) $Du, Dv: -0.0001, 0.0002$

CCT= 2711K Prcp WL: $L_d=584.1nm$ Purity=61.3%

Peak WL: $L_p=605nm$ FWHM: =114.3nm Ratio:R=24.9% G=73.1% B=2.0%

Render Index: $R_a = 81.7$

R1 =80	R2 =91	R3 =96	R4 =80	R5 =80	R6 =89	R7 =81	
R8 =56	R9 =3	R10=79	R11=79	R12=72	R13=82	R14=99	R15=72

Photometric & Radiometric Parameters

Flux = 885.81 lm Eff. : 183.98 lm/W $F_e = 2.6931 W$

Electrical parameters

$V = 32.08 V$ $I = 0.1501 A$ $P = 4.815 W$ PF = 1.000 F=0.00 Hz

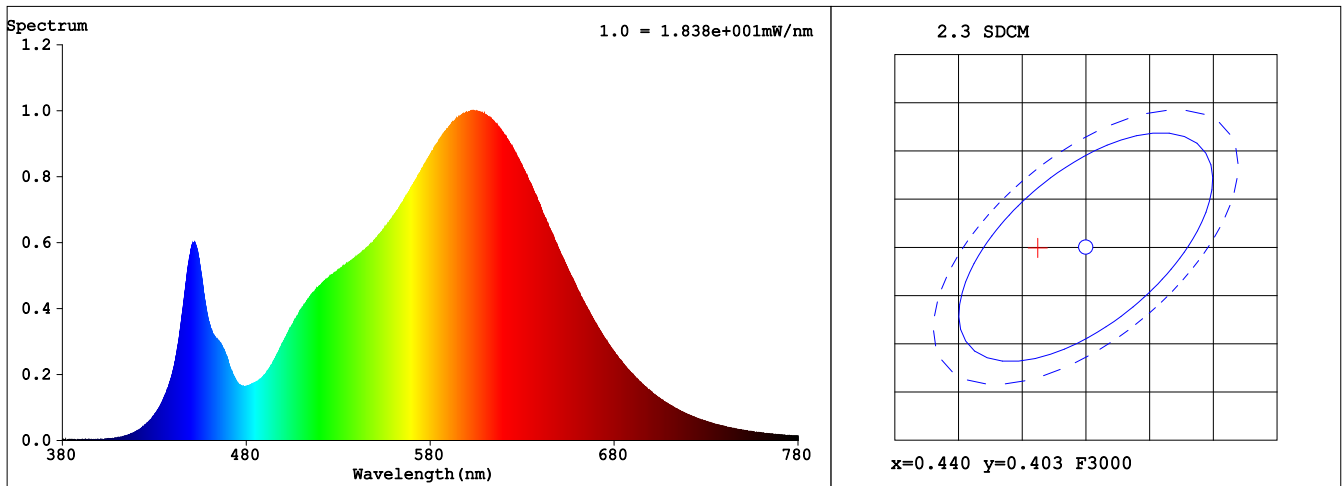
Spectrum Test Report

Sample	:	Date	:	2023-10-09 11:59:10
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	:	48707 (74%)
Test Mode	:	Accuracy Test	T	:	961 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4362$ $y = 0.4029$ / $u' = 0.2506$ $v' = 0.5208$ ($duv = -3.64e-04$) $Du, Dv: 0.0001, -0.0003$

CCT= 3003K Prcp WL: $Ld = 582.9nm$ Purity=51.9%

Peak WL: $Lp = 603nm$ FWHM: $= 130.6nm$ Ratio: R=22.9% G=74.7% B=2.4%

Render Index: $Ra = 82.5$

R1 =81	R2 =90	R3 =97	R4 =81	R5 =81	R6 =88	R7 =83	
R8 =59	R9 =7	R10=78	R11=80	R12=69	R13=83	R14=99	R15=74

Photometric & Radiometric Parameters

Flux = 898.22 lm Eff. : 186.95 lm/W $Fe = 2.7162 W$

Electrical parameters

$V = 32.01 V$ $I = 0.1501 A$ $P = 4.805 W$ PF = 1.000 F=0.00 Hz

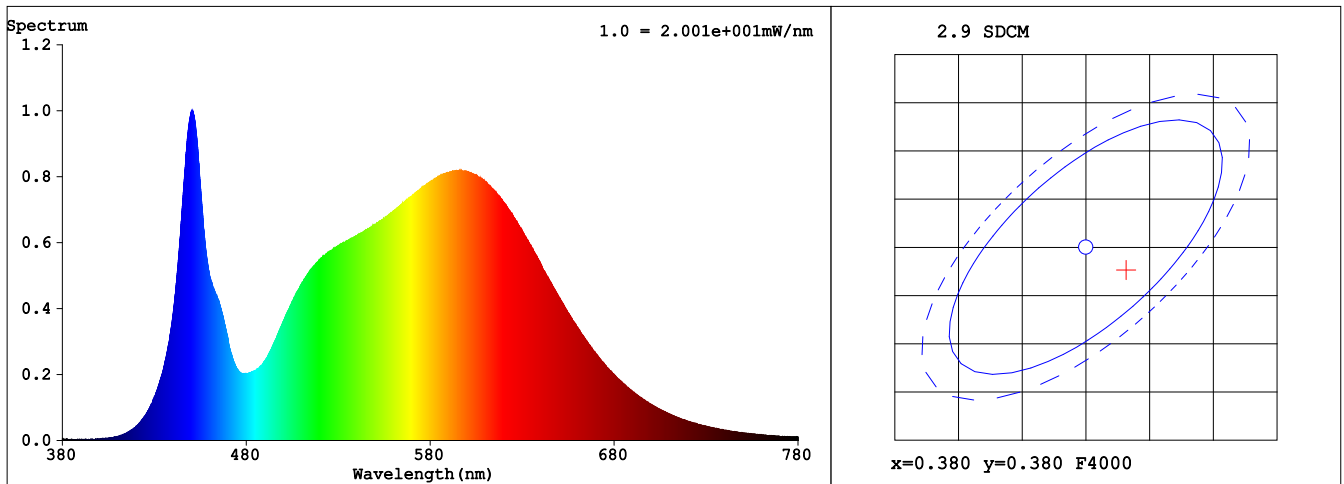
Spectrum Test Report

Sample	:	Date	: 2023-10-09 12:10:48
Specification	: LL286-12S2P--140*20MM-21043	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	: 48241 (74%)
Test Mode	: Accuracy Test	T	: 1089 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3832$ $y = 0.3776$ / $u' = 0.2265$ $v' = 0.5024$ ($duv = -3.71e-04$) $Du, Dv: 0.0002, -0.0003$

CCT= 3933K Prcp WL: $Ld=579.5nm$ Purity=28.3%

Peak WL: $Lp=451nm$ FWHM: =17.8nm Ratio:R=18.6% G=78.1% B=3.3%

Render Index: $Ra = 83.1$

R1 =82 R2 =89 R3 =93 R4 =83 R5 =82 R6 =84 R7 =87

R8 =66 R9 =12 R10=73 R11=82 R12=61 R13=83 R14=96 R15=76

Photometric & Radiometric Parameters

Flux = 942.67 lm Eff. : 195.62 lm/W $Fe = 2.8663 W$

Electrical parameters

$V = 32.10 V$ $I = 0.1501 A$ $P = 4.819 W$ PF = 1.000 F=0.00 Hz

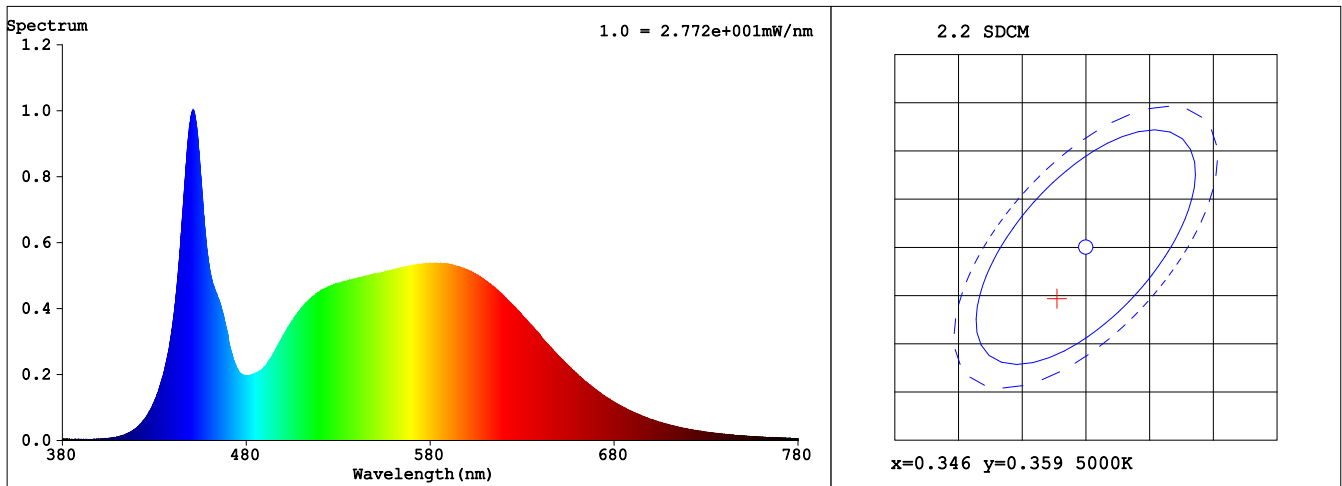
Spectrum Test Report

Sample :	Date : 2023-10-09 13:37:56
Specification : LL286-12S2P--140*20MM-21043	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 : 48819 (74%)
Test Mode : Accuracy Test	T : 1236 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3437$ $y = 0.3537$ / $u' = 0.2097$ $v' = 0.4855$ ($duv=1.58e-03$) $Du, Dv: -0.0011, 0.0011$

CCT= 5057K Prcp WL: Ld=570.2nm Purity=9.3%

Peak WL: Lp=451nm FWHM: =17.9nm Ratio:R=15.7% G=79.9% B=4.4%

Render Index: Ra = 83.2

R1 =82 R2 =88 R3 =91 R4 =84 R5 =83 R6 =83 R7 =87

R8 =68 R9 =11 R10=70 R11=83 R12=60 R13=83 R14=95 R15=77

Photometric & Radiometric Parameters

Flux = 948.39 lm Eff. : 197.08 lm/W Fe = 2.9559 W

Electrical parameters

V = 32.08 V I = 0.1500 A P = 4.812 W PF = 1.000 F=0.00 Hz

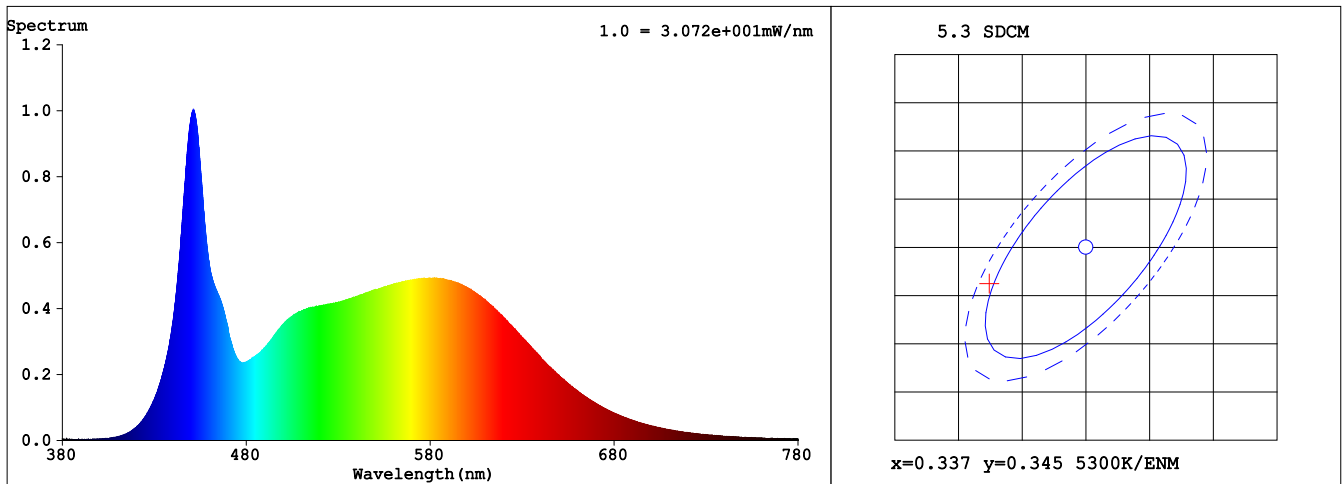
Spectrum Test Report

Sample	:		Date	:	2023-10-09 13:50:51
Specification	:	LL286-12S2P--140*20MM-21043	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	:	48616 (74%)
Test Mode	:	Accuracy Test	T	:	1223 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3294$ $y = 0.3412$ / $u' = 0.2047$ $v' = 0.4772$ ($duv=1.44e-03$) $Du, Dv: -0.0011, 0.0009$

CCT= 5633K Prcp WL: $Ld=521.4nm$ Purity=1.6%

Peak WL: $Lp=451nm$ FWHM: =18.2nm Ratio:R=14.7% G=79.9% B=5.4%

Render Index: $Ra = 84.1$

R1 =82 R2 =90 R3 =94 R4 =84 R5 =84 R6 =85 R7 =87

R8 =67 R9 =6 R10=76 R11=83 R12=64 R13=85 R14=97 R15=77

Photometric & Radiometric Parameters

Flux = 958.25 lm Eff. : 199.13 lm/W $Fe = 3.0290 W$

Electrical parameters

$V = 32.08 V$ $I = 0.1500 A$ $P = 4.812 W$ PF = 1.000 F=0.00 Hz

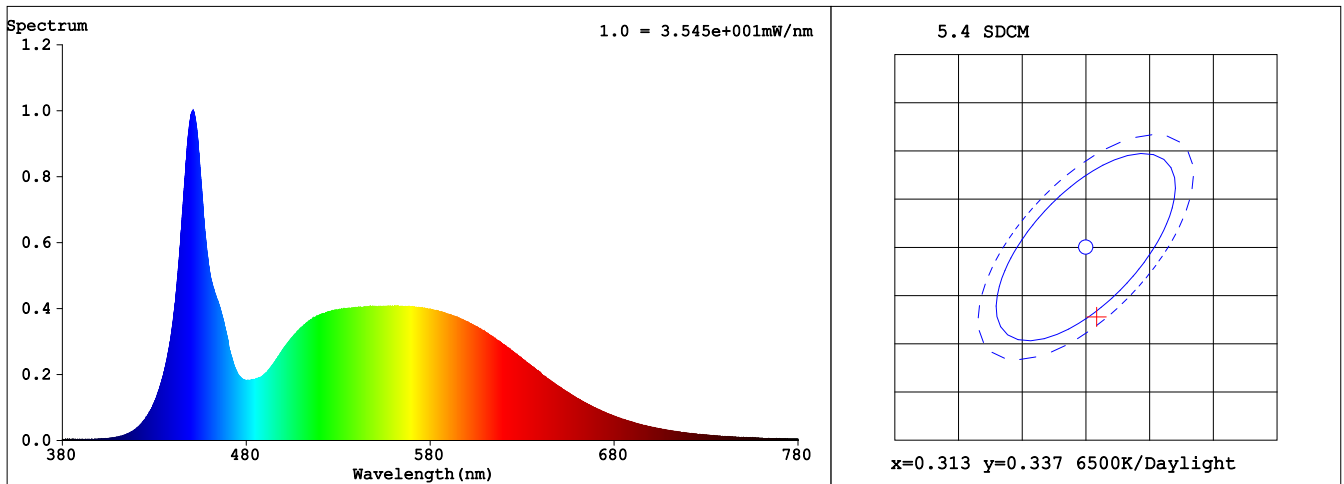
Spectrum Test Report

Sample	:	Date	:	2023-10-09 14:02:30
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	:	46702 (71%)
Test Mode	:	Accuracy Test	T	:	1065 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3138$ $y = 0.3298$ / $u' = 0.1983$ $v' = 0.4689$ ($duv=3.01e-03$) $Du, Dv: -0.0024, 0.0018$

CCT= 6437K Prcp WL: $L_d=489.3nm$ Purity=6.8%

Peak WL: $L_p=451nm$ FWHM: =17.8nm Ratio:R=13.5% G=81.2% B=5.3%

Render Index: $R_a = 83.0$

R1 =81 R2 =87 R3 =89 R4 =83 R5 =82 R6 =81 R7 =88
 R8 =71 R9 =10 R10=68 R11=83 R12=56 R13=83 R14=94 R15=77

Photometric & Radiometric Parameters

Flux = 941.46 lm Eff. : 195.55 lm/W $F_e = 3.0356 W$

Electrical parameters

$V = 32.07 V$ $I = 0.1501 A$ $P = 4.814 W$ PF = 1.000 F=0.00 Hz