

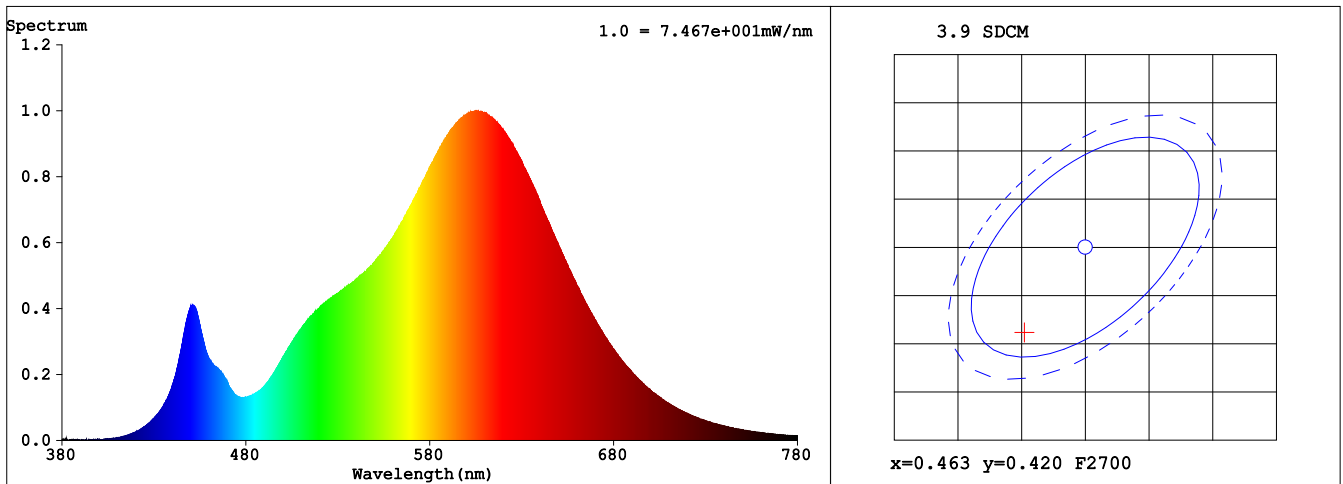
Spectrum Test Report

Sample :	Date : 2023-10-09 14:19:02
Specification : LL286-12S4P--603*20MM-21048	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 : 51623 (79%)
Test Mode : Accuracy Test	T : 250 ms
Sensitivity : Low	

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4582$ $y = 0.4112$ / $u' = 0.2612$ $v' = 0.5273$ ($duv=3.43e-04$) $Du, Dv: -0.0001, 0.0003$

CCT= 2727K Prcp WL: $L_d=584.0nm$ Purity=61.0%

Peak WL: $L_p=605nm$ FWHM: =115.4nm Ratio:R=24.7% G=73.3% 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 =2	R10=78	R11=79	R12=71	R13=82	R14=99	R15=71

Photometric & Radiometric Parameters

Flux = 3409.5 lm Eff. : 169.64 lm/W $F_e = 10.351 W$

Electrical parameters

$V = 33.49 V$ $I = 0.6002 A$ $P = 20.10 W$ PF = 1.000 F=0.00 Hz

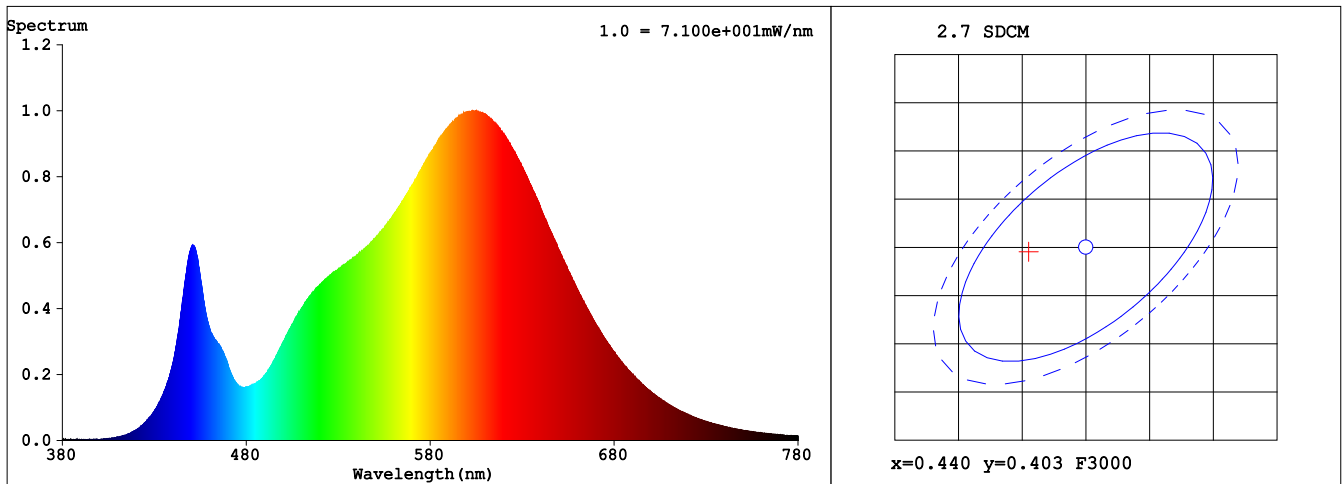
Spectrum Test Report

Sample	:	Date	: 2023-10-09 14:28:06
Specification	: LL286-12S4P--603*20MM-21048	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	: 49291 (75%)
Test Mode	: Accuracy Test	T	: 252 ms
Sensitivity	: Low		

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4355$ $y = 0.4025$ / $u' = 0.2503$ $v' = 0.5206$ ($duv = -4.26e-04$) $Du, Dv: 0.0002, -0.0004$

CCT= 3012K Prcp WL: Ld=582.9nm Purity=51.5%

Peak WL: Lp=605nm FWHM: =130.9nm Ratio:R=22.8% G=74.8% B=2.4%

Render Index: Ra = 82.3

R1 =81	R2 =90	R3 =97	R4 =81	R5 =81	R6 =88	R7 =83	
R8 =59	R9 =6	R10=77	R11=80	R12=69	R13=83	R14=99	R15=73

Photometric & Radiometric Parameters

Flux = 3478.8 lm Eff. : 173.01 lm/W Fe = 10.519 W

Electrical parameters

V = 33.50 V I = 0.6002 A P = 20.11 W PF = 1.000 F=0.00 Hz

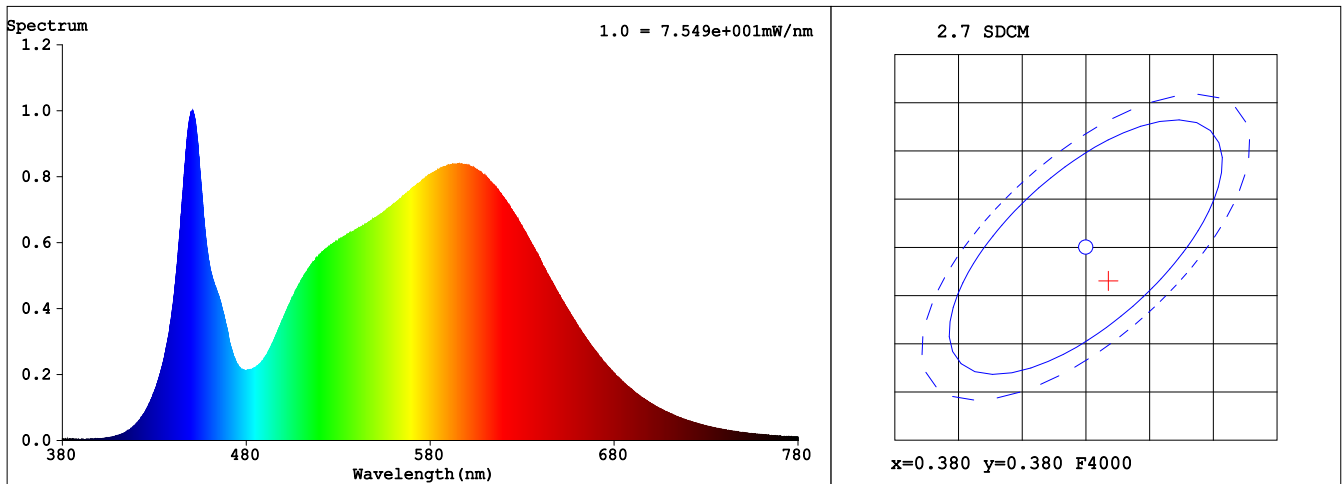
Spectrum Test Report

Sample	:		Date	:	2023-10-09 14:35:30
Specification	:	LL286-12S4P--603*20MM-21048	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	:	49149 (75%)
Test Mode	:	Accuracy Test	T	:	287 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3818$ $y = 0.3765$ / $u' = 0.2261$ $v' = 0.5017$ ($duv = -5.02e-04$) $Du, Dv: 0.0003, -0.0004$

CCT= 3962K Prcp WL: $Ld=579.5nm$ Purity=27.6%

Peak WL: $Lp=451nm$ FWHM: =19.4nm Ratio:R=18.5% G=78.1% B=3.3%

Render Index: $Ra = 83.0$

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

R8 =66 R9 =12 R10=72 R11=81 R12=61 R13=83 R14=96 R15=76

Photometric & Radiometric Parameters

Flux = 3653.6 lm Eff. : 181.71 lm/W $Fe = 11.130 W$

Electrical parameters

$V = 33.50 V$ $I = 0.6002 A$ $P = 20.11 W$ PF = 1.000 F=0.00 Hz

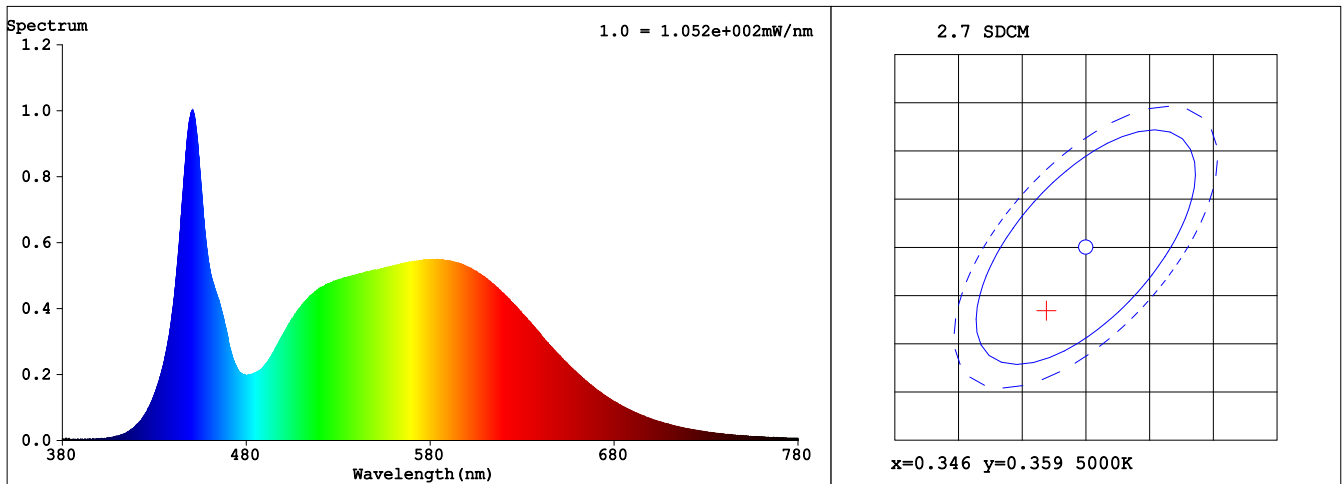
Spectrum Test Report

Sample	:	Date	:	2023-10-09 14:52:24
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	:	49600 (76%)
Test Mode	:	Accuracy Test	T	:	325 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3429$ $y = 0.3524$ / $u' = 0.2096$ $v' = 0.4847$ ($duv=1.29e-03$) $Du, Dv: -0.0009, 0.0009$

CCT= 5087K Prcp WL: $L_d=570.0nm$ Purity=8.6%

Peak WL: $L_p=451nm$ FWHM: =18.9nm Ratio:R=15.6% G=80.0% B=4.4%

Render Index: $R_a = 82.9$

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

R8 =69 R9 =10 R10=69 R11=83 R12=61 R13=83 R14=95 R15=77

Photometric & Radiometric Parameters

Flux = 3672.4 lm Eff. : 182.76 lm/W $F_e = 11.470 W$

Electrical parameters

V = 33.48 V I = 0.6002 A P = 20.09 W PF = 1.000 F=0.00 Hz

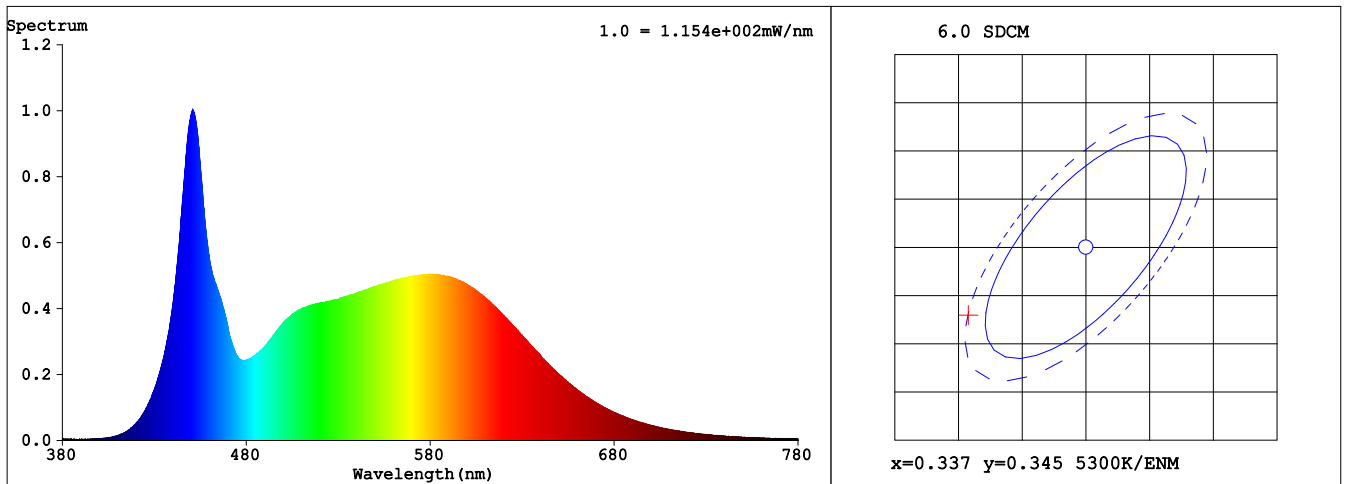
Spectrum Test Report

Sample	:		Date	:	2023-10-09 15:01:08
Specification	:	LL286-12S4P--603*20MM-21048	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	:	48303 (74%)
Test Mode	:	Accuracy Test	T	:	316 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3278$ $y = 0.3380$ / $u' = 0.2049$ $v' = 0.4753$ ($duv=5.21e-04$) $Du, Dv: -0.0004, 0.0003$

CCT= 5712K Prcp WL: $Ld=502.9nm$ Purity=1.7%

Peak WL: $Lp=451nm$ FWHM: =19.9nm Ratio:R=14.7% G=79.9% B=5.4%

Render Index: $Ra = 84.2$

R1 =83 R2 =90 R3 =93 R4 =84 R5 =84 R6 =85 R7 =87

R8 =68 R9 =7 R10=75 R11=84 R12=65 R13=85 R14=97 R15=78

Photometric & Radiometric Parameters

Flux = 3678.2 lm Eff. : 183.19 lm/W Fe = 11.714 W

Electrical parameters

V = 33.47 V I = 0.5999 A P = 20.08 W PF = 1.000 F=0.00 Hz

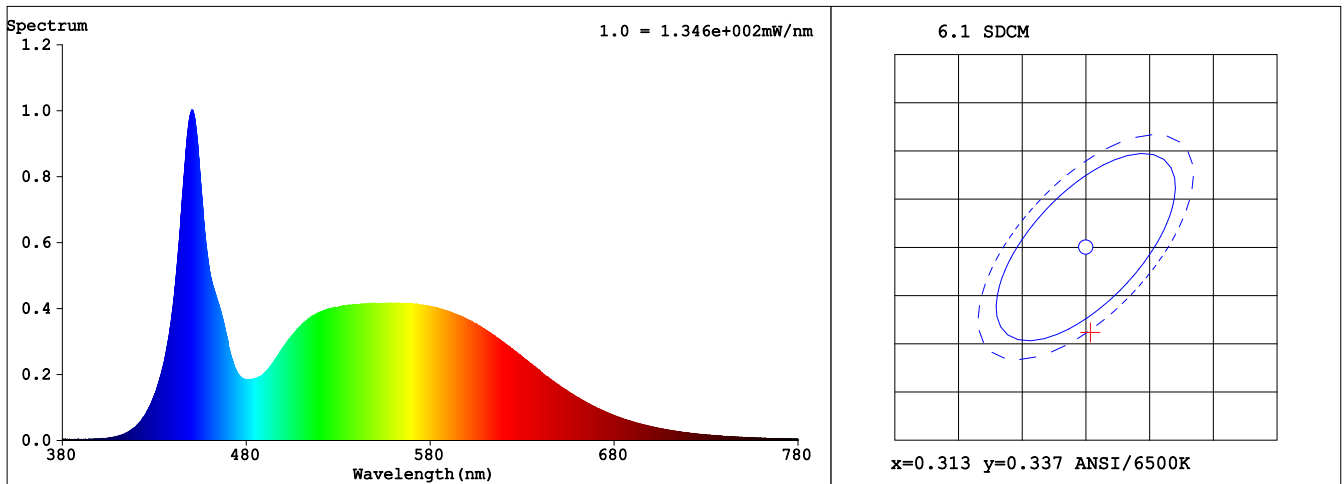
Spectrum Test Report

Sample	:	Date	:	2023-10-09 15:11:14
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	:	52036 (79%)
Test Mode	:	Accuracy Test	T	:	313 ms
Sensitivity	:	Low			

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3134$ $y = 0.3282$ / $u' = 0.1986$ $v' = 0.4680$ ($duv=2.43e-03$) $Du, Dv: -0.0020, 0.0014$

CCT= 6476K Prcp WL: $L_d=488.3nm$ Purity=7.1%

Peak WL: $L_p=450nm$ FWHM: =18.7nm Ratio:R=13.5% G=81.2% B=5.3%

Render Index: $R_a = 83.0$

R1 =82 R2 =86 R3 =89 R4 =84 R5 =82 R6 =81 R7 =88

R8 =72 R9 =11 R10=67 R11=83 R12=57 R13=83 R14=94 R15=78

Photometric & Radiometric Parameters

Flux = 3650.4 lm Eff. : 181.27 lm/W $F_e = 11.820 W$

Electrical parameters

V = 33.55 V I = 0.6002 A P = 20.14 W PF = 1.000 F=0.00 Hz