



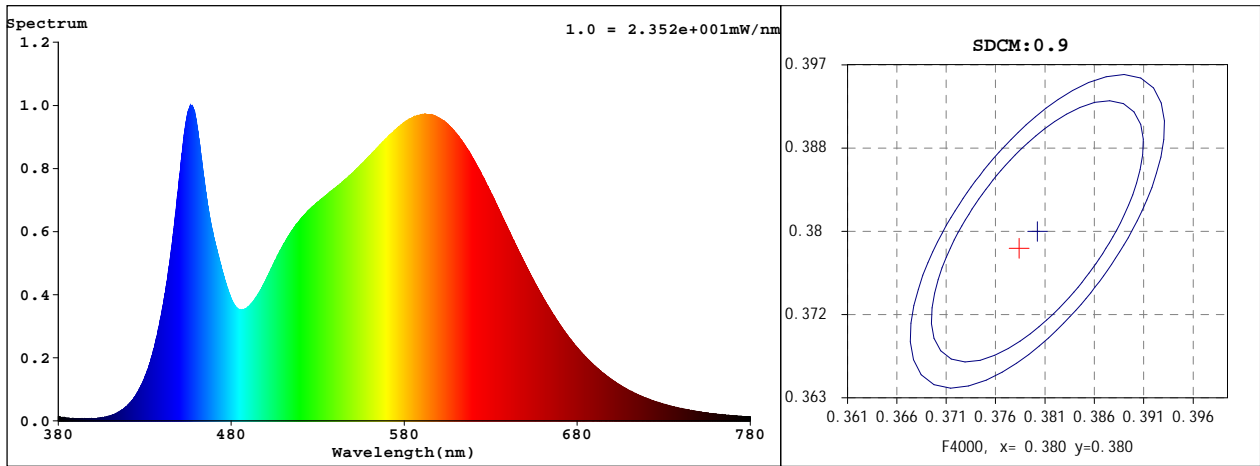
Spectrum Test Report

Sample : Date : 2024-07-04
Specification : Sam. Status :
Sample No. : 12W-1 Standard :
Manufacturer : Instrument : HaasSuite(EVERFINE)
Remark : Test by :

Test Condition

Temperature : 25.3Deg RH : 65.0%
WL Range : 380nm-780nm IP : 46098 (70%)
Test Mode : Fast Test T : 251 ms

Spectrum : High



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3782$ $y = 0.3783$ / $u' = 0.2230$ $v' = 0.5019$ ($duv=1.39e-03$)

CCT= 4073K Prcp WL: Ld=578.0nm Purity=27.0%

Peak WL: Lp=457nm FWHM: =29.3nm Ratio:R=18.0% G=77.9% B=4.0%

Render Index: Ra = 83.2

EEL: 0.11732 A+

R1 =82 R2 =91 R3 =96 R4 =80 R5 =81 R6 =87 R7 =85

R8 =64 R9 =9 R10=78 R11=78 R12=62 R13=84 R14=98 R15=75

Photometric & Radiometric Parameters

Flux = 1325.1 lm Eff. : 116.11 lm/W Fe = 4.0439 W

Electrical parameters

V = 230.19 V I = 0.08865 A P = 11.41 W PF = 0.5593 F=50.00 Hz



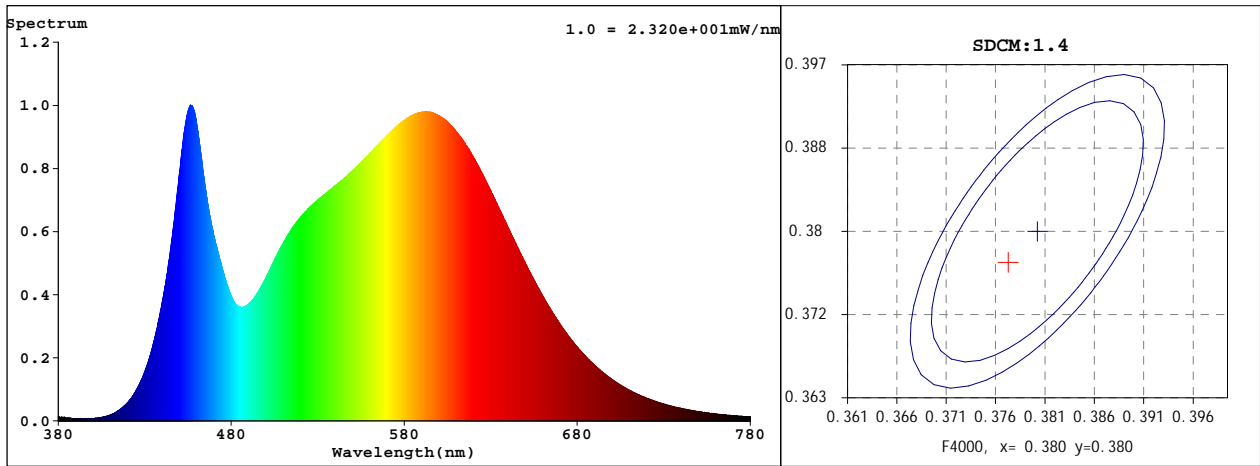
Spectrum Test Report

Sample	:	Date	:	2024-07-04
Specification	:	Sam. Status	:	
Sample No.	:	Standard	:	
Manufacturer	:	Instrument	:	HaasSuite(EVERFINE)
Remark	:	Test by	:	

Test Condition

Temperature	:	25.3Deg	RH	:	65.0%
WL Range	:	380nm-780nm	IP	:	53088 (81%)
Test Mode	:	Fast Test	T	:	291 ms

Spectrum : High



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3770$ $y = 0.3769$ / $u' = 0.2228$ $v' = 0.5011$ ($duv=1.06e-03$)

CCT= 4095K Prcp WL: Ld=578.1nm Purity=26.2%

Peak WL: Lp=456nm FWHM: =30.2nm Ratio:R=18.0% G=77.9% B=4.1%

Render Index: Ra = 83.4

EEL: 0.11754 A+

R1 =82 R2 =91 R3 =96 R4 =80 R5 =81 R6 =87 R7 =85

R8 =64 R9 =10 R10=78 R11=78 R12=63 R13=84 R14=98 R15=76

Photometric & Radiometric Parameters

Flux = 1318.6 lm Eff. : 115.89 lm/W Fe = 4.0377 W

Electrical parameters

V = 230.19 V I = 0.08756 A P = 11.38 W PF = 0.5645 F=50.00 Hz



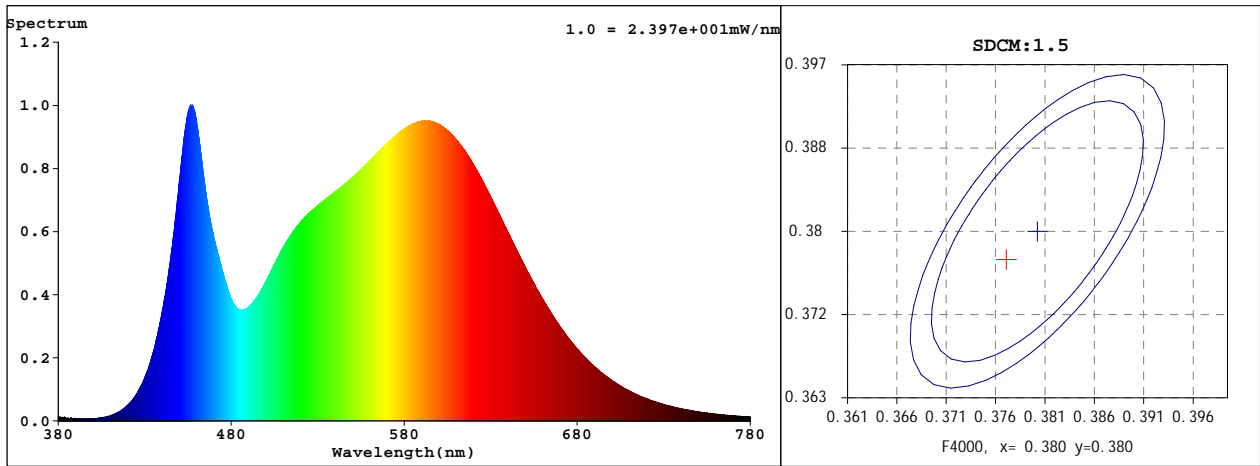
Spectrum Test Report

Sample	:	Date	: 2024-07-04
Specification	:	Sam. Status	:
Sample No.	: 12W-3	Standard	:
Manufacturer	:	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	:

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 53307 (81%)
Test Mode	: Fast Test	T	: 291 ms

Spectrum : High



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3769$ $y = 0.3771$ / $u' = 0.2226$ $v' = 0.5012$ ($duv=1.24e-03$)

CCT= 4100K Prcp WL: Ld=578.0nm Purity=26.3%

Peak WL: Lp=457nm FWHM: =29.1nm Ratio:R=18.0% G=77.9% B=4.1%

Render Index: Ra = 83.4

EEL: 0.11695 A+

R1 =82 R2 =91 R3 =96 R4 =80 R5 =81 R6 =87 R7 =85

R8 =64 R9 =10 R10=79 R11=78 R12=62 R13=85 R14=98 R15=76

Photometric & Radiometric Parameters

Flux = 1325.8 lm Eff. : 116.48 lm/W Fe = 4.0575 W

Electrical parameters

V = 230.20 V I = 0.08814 A P = 11.38 W PF = 0.5610 F=50.00 Hz



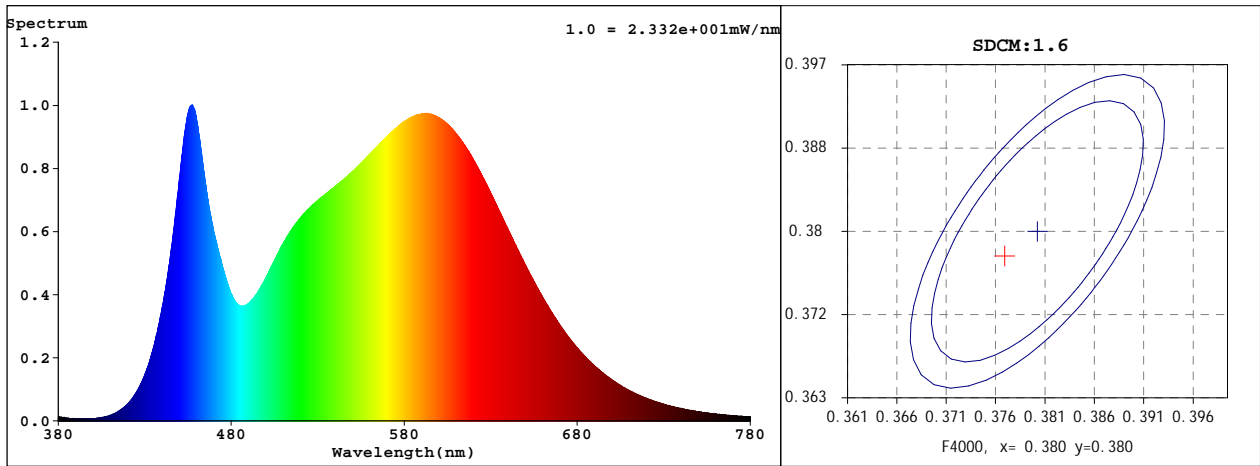
Spectrum Test Report

Sample : Date : 2024-07-04
Specification : Sam. Status :
Sample No. : 12W-4 Standard :
Manufacturer : Instrument : HaasSuite(EVERFINE)
Remark : Test by :

Test Condition

Temperature : 25.3Deg RH : 65.0%
WL Range : 380nm-780nm IP : 53113 (81%)
Test Mode : Fast Test T : 291 ms

Spectrum : High



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3767$ $y = 0.3775$ / $u' = 0.2223$ $v' = 0.5014$ ($duv=1.48e-03$)

CCT= 4107K Prcp WL: Ld=577.8nm Purity=26.3%

Peak WL: Lp=458nm FWHM: =30.2nm Ratio:R=17.9% G=78.0% B=4.1%

Render Index: Ra = 83.2

EEL: 0.11769 A+

R1 =82 R2 =91 R3 =96 R4 =79 R5 =81 R6 =87 R7 =85

R8 =64 R9 =9 R10=78 R11=78 R12=62 R13=84 R14=98 R15=76

Photometric & Radiometric Parameters

Flux = 1320.0 lm Eff. : 115.75 lm/W Fe = 4.0347 W

Electrical parameters

V = 230.11 V I = 0.08860 A P = 11.40 W PF = 0.5594 F=50.00 Hz