

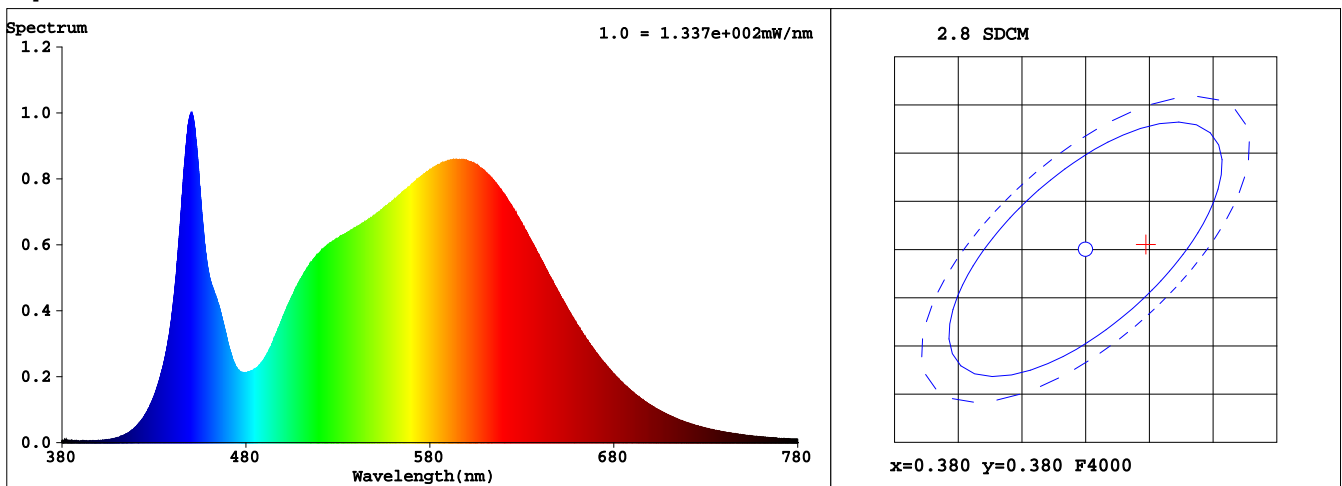
Spectrum Test Report

| | | | | |
|---------------|---|-------------|---|---------------------|
| Sample | : | Date | : | 2024-07-29 13:54:52 |
| Specification | : | Sam. Status | : | |
| Sample No. | : | Standard | : | |
| Manufacturer | : | Instrument | : | HaasSuite(EVERFINE) |
| Assessor | : | Test by | : | DAMIN |
| Remark | : | | | |
| Device SN | : | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 52817 (81%) |
| Test Mode | : | Fast Test | T | : | 22 ms |
| Sensitivity | : | High | | | |

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3847$ $y = 0.3805$ / $u' = 0.2264$ $v' = 0.5039$ ($duv=5.20e-04$)
 CCT= 3913K Prcp WL: $L_d=579.1nm$ Purity=29.7%
 Peak WL: $L_p=451nm$ FWHM: =18.5nm Ratio:R=18.6% G=78.2% B=3.3%
 Render Index: $R_a = 82.7$
 LER=331 $\eta=0.561$ CQS=82
 GAI_EES=72 GAI_BB8=93 GAI_BB15=99 FCI=98 TLCI=66.85 EEI: 0.07349 A++ Highest
 R1 =81 R2 =88 R3 =93 R4 =82 R5 =81 R6 =83 R7 =87
 R8 =65 R9 =10 R10=72 R11=81 R12=60 R13=83 R14=96 R15=75

Photometric & Radiometric Parameters

Flux = 6624.5 lm Eff. : 185.35 lm/W Fe = 20.033 W

Electrical parameters

V = 33.97 V I = 1.052 A P = 35.74 W PF = 1.000 F=0.00 Hz

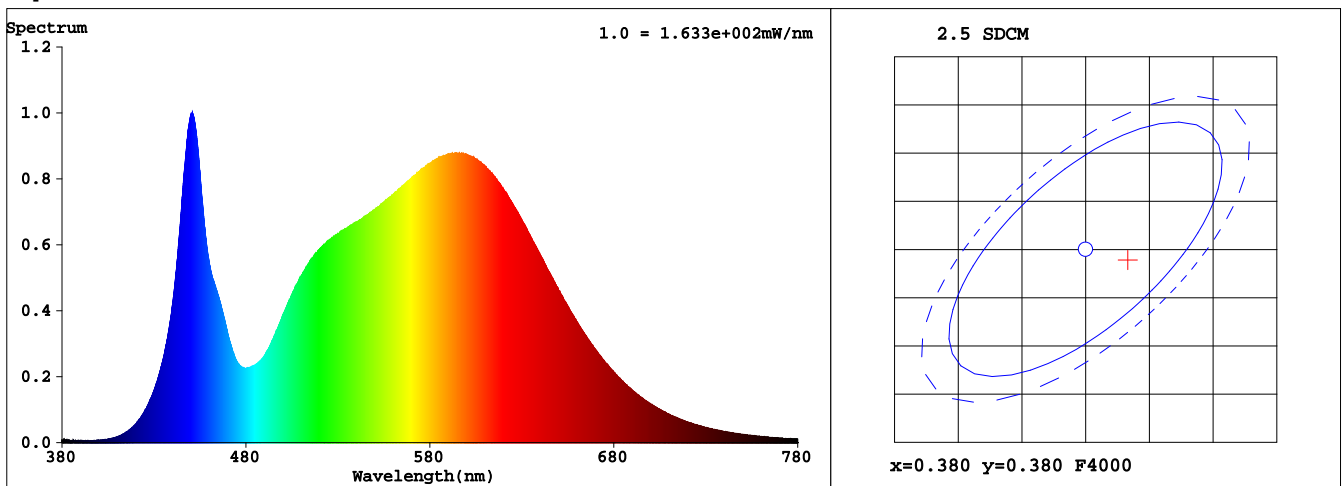
Spectrum Test Report

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|---------------|---|-------------|---|---------------------|
| Sample | : | Date | : | 2024-07-29 13:56:55 |
| Specification | : | Sam. Status | : | |
| Sample No. | : | Standard | : | |
| Manufacturer | : | Instrument | : | HaasSuite(EVERFINE) |
| Assessor | : | Test by | : | DAMIN |
| Remark | : | | | |
| Device SN | : | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 53918 (82%) |
| Test Mode | : | Fast Test | T | : | 18 ms |
| Sensitivity | : | High | | | |

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3833$ $y = 0.3789$ / $u' = 0.2261$ $v' = 0.5029$ ($duv=1.69e-04$)
 CCT= 3939K Prcp WL: $L_d=579.2nm$ Purity=28.7%
 Peak WL: $L_p=451nm$ FWHM: =20.2nm Ratio:R=18.5% G=78.2% B=3.3%
 Render Index: $R_a = 82.6$
 LER=329 $\eta=0.539$ CQS=82
 GAI_EES=73 GAI_BB8=93 GAI_BB15=99 FCI=98 TLCI=66.65 EEI: 0.07678 A++ Highest
 R1 =81 R2 =88 R3 =93 R4 =82 R5 =81 R6 =84 R7 =86
 R8 =65 R9 =10 R10=72 R11=81 R12=61 R13=83 R14=96 R15=75

Photometric & Radiometric Parameters

Flux = 8277.1 lm Eff. : 177.41 lm/W Fe = 25.125 W

Electrical parameters

V = 34.53 V I = 1.351 A P = 46.65 W PF = 1.000 F=0.00 Hz

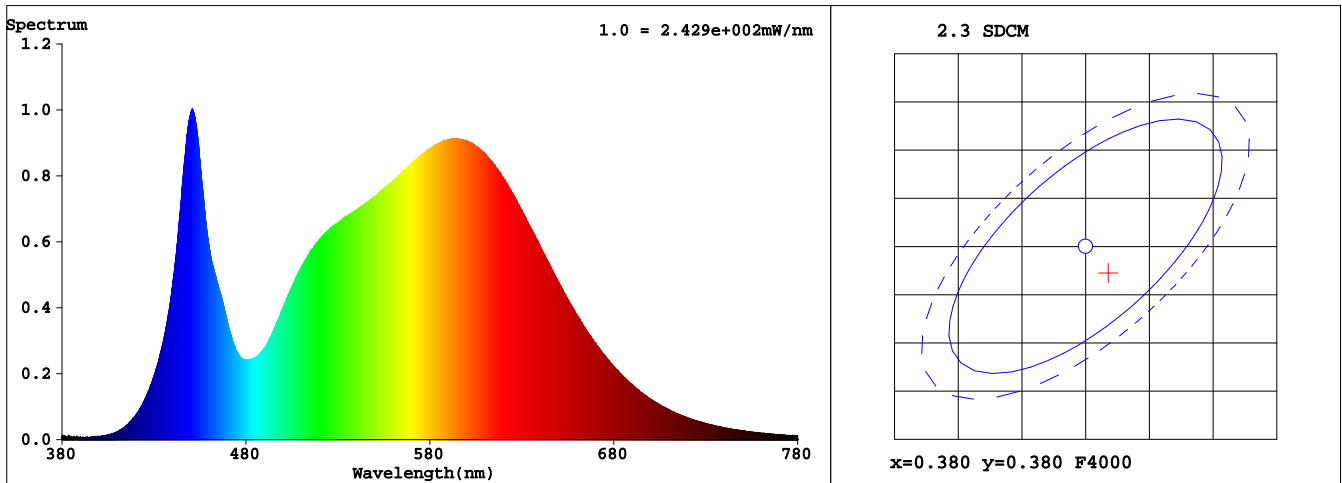
Spectrum Test Report

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|---------------|---|-------------|---|---------------------|
| Sample | : | Date | : | 2024-07-29 13:57:20 |
| Specification | : | Sam. Status | : | |
| Sample No. | : | Standard | : | |
| Manufacturer | : | Instrument | : | HaasSuite(EVERFINE) |
| Assessor | : | Test by | : | DAMIN |
| Remark | : | | | |
| Device SN | : | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 50741 (77%) |
| Test Mode | : | Fast Test | T | : | 11 ms |
| Sensitivity | : | High | | | |

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3818$ $y = 0.3772$ / $u' = 0.2258$ $v' = 0.5020$ ($duv = -1.65e-04$)
 CCT= 3967K Prcp WL: $L_d = 579.3nm$ Purity=27.8%
 Peak WL: $L_p = 451nm$ FWHM: =22.5nm Ratio:R=18.4% G=78.3% B=3.4%
 Render Index: $R_a = 82.4$
 LER=328 $\eta = 0.486$ CQS=82
 GAI_EES=73 GAI_BB8=94 GAI_BB15=99 FCI=97 TLCI=65.91 EEI: 0.08543 A++ Highest
 R1 =81 R2 =88 R3 =93 R4 =82 R5 =81 R6 =83 R7 =86
 R8 =65 R9 =9 R10=71 R11=80 R12=61 R13=82 R14=96 R15=75

Photometric & Radiometric Parameters

Flux = 12782 lm Eff. : 159.45 lm/W Fe = 38.940 W

Electrical parameters

V = 36.43 V I = 2.201 A P = 80.16 W PF = 1.000 F=0.00 Hz

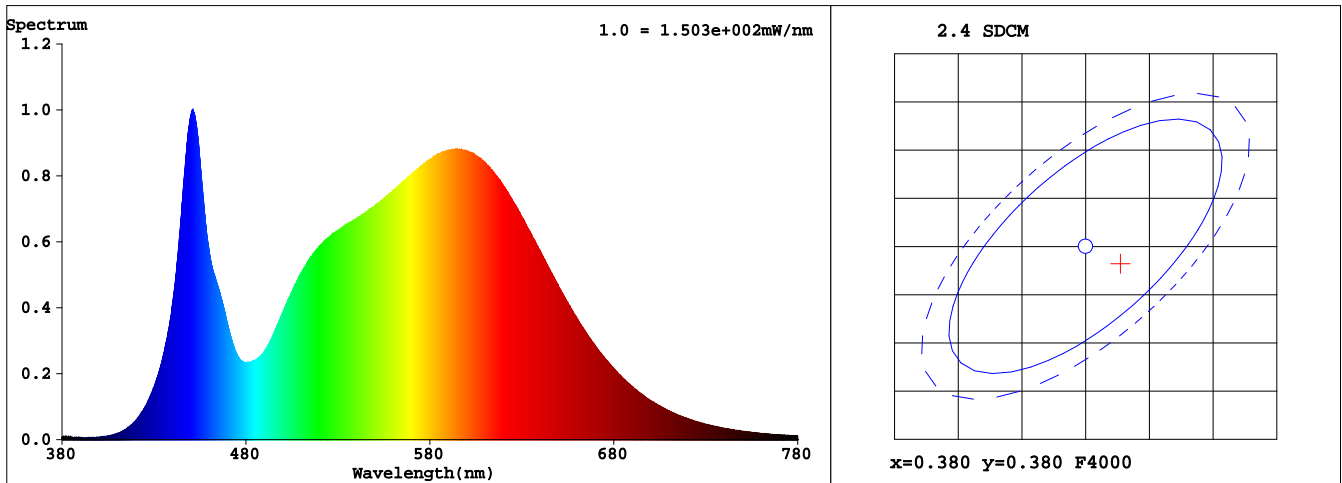
Spectrum Test Report

| | | | | |
|---------------|---|-------------|---|---------------------|
| Sample | : | Date | : | 2024-07-29 13:57:53 |
| Specification | : | Sam. Status | : | |
| Sample No. | : | Standard | : | |
| Manufacturer | : | Instrument | : | HaasSuite(EVERFINE) |
| Assessor | : | Test by | : | DAMIN |
| Remark | : | | | |
| Device SN | : | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 55230 (84%) |
| Test Mode | : | Fast Test | T | : | 20 ms |
| Sensitivity | : | High | | | |

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3827$ $y = 0.3782$ / $u' = 0.2260$ $v' = 0.5026$ ($duv=8.62e-06$)
 CCT= 3949K Prcp WL: $L_d=579.3nm$ Purity=28.4%
 Peak WL: $L_p=451nm$ FWHM: =20.9nm Ratio:R=18.5% G=78.2% B=3.4%
 Render Index: $R_a = 82.7$
 LER=329 $\eta=0.543$ CQS=82
 GAI_EES=73 GAI_BB8=93 GAI_BB15=99 FCI=98 TLCI=66.89 EEI: 0.07630 A++ Highest
 R1 =81 R2 =88 R3 =94 R4 =82 R5 =81 R6 =84 R7 =86
 R8 =65 R9 =10 R10=72 R11=81 R12=61 R13=83 R14=96 R15=76

Photometric & Radiometric Parameters

Flux = 7634.4 lm Eff. : 178.54 lm/W Fe = 23.218 W

Electrical parameters

V = 34.20 V I = 1.250 A P = 42.76 W PF = 1.000 F=0.00 Hz