

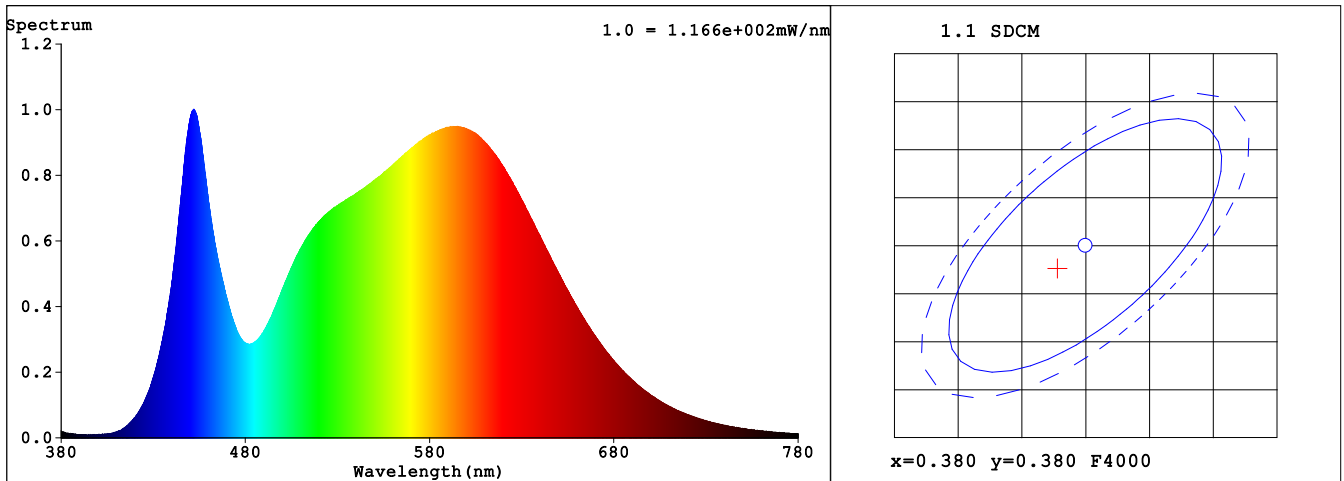
Spectrum Test Report

| | | | | | |
|---------------|---|-------|------------|---|---------------------|
| Sample | : | | Date | : | 2024-07-05 |
| Specification | : | | Standard | : | tus |
| Sample No. | : | 50W-1 | Instrument | : | HaasSuite(EVERFINE) |
| Manufacturer | : | | Test by | : | |
| Assessor | : | damin | | | |
| Remark | : | | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 45241 (69%) |
| Test Mode | : | Fast Test | T | : | 30 ms |
| Sensitivity | : | High | | | |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3778$ $y = 0.3776$ / $u' = 0.2230$ $v' = 0.5016$ ($duv=1.19e-03$)

CCT= 4078K Prcp WL: $L_d=578.1nm$ Purity=26.7%

Peak WL: $L_p=452nm$ FWHM: =26.1nm Ratio:R=18.1% G=78.3% B=3.6%

Render Index: $R_a = 83.3$

R1 =82 R2 =89 R3 =94 R4 =82 R5 =81 R6 =85 R7 =87

R8 =66 R9 =12 R10=73 R11=81 R12=62 R13=83 R14=97 R15=76

Photometric & Radiometric Parameters

Flux = 6515.7 lm Eff. : 133.44 lm/W Fe = 19.902 W Scotopic:11123 S/P:1.7071

Electrical parameters

V = 229.8 V I = 0.2172 A P = 48.83 W PF = 0.9786 F=49.99 Hz

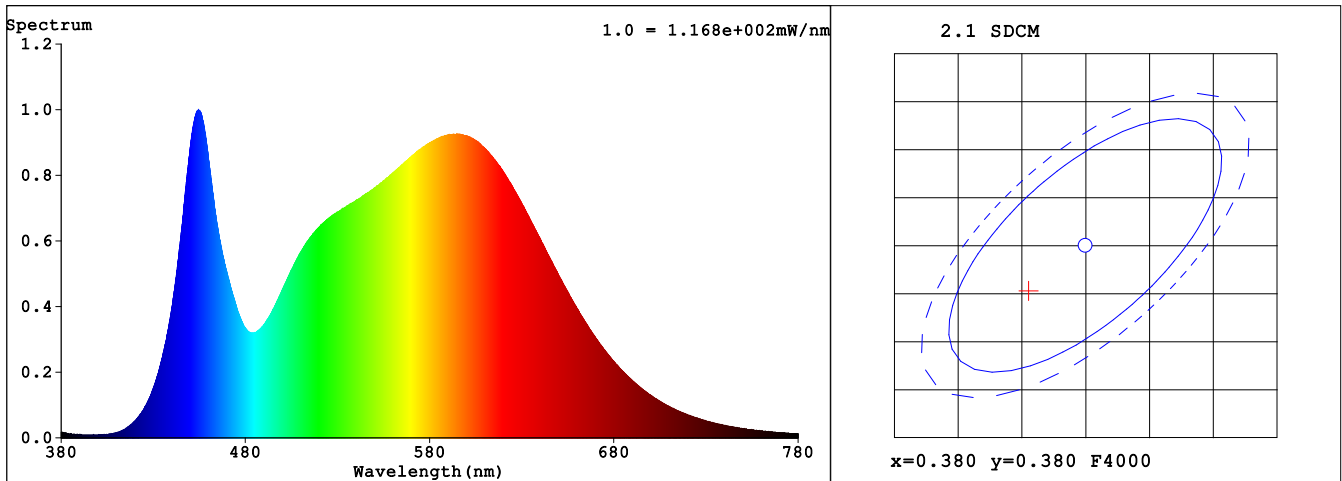
Spectrum Test Report

| | | | | | |
|---------------|---|-------|------------|---|---------------------|
| Sample | : | | Date | : | 2024-07-05 |
| Specification | : | | Standard | : | tus |
| Sample No. | : | 50W-2 | Instrument | : | HaasSuite(EVERFINE) |
| Manufacturer | : | | Test by | : | |
| Assessor | : | damin | | | |
| Remark | : | | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 54445 (83%) |
| Test Mode | : | Fast Test | T | : | 37 ms |
| Sensitivity | : | High | | | |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3755$ $y = 0.3753$ / $u' = 0.2225$ $v' = 0.5002$ ($duv=7.65e-04$)

CCT= 4125K Prcp WL: $L_d=578.1nm$ Purity=25.3%

Peak WL: $L_p=455nm$ FWHM: =27.6nm Ratio:R=18.1% G=77.9% B=3.9%

Render Index: $R_a = 84.6$

R1 =83 R2 =91 R3 =96 R4 =82 R5 =83 R6 =87 R7 =87

R8 =67 R9 =16 R10=78 R11=81 R12=63 R13=85 R14=98 R15=78

Photometric & Radiometric Parameters

Flux = 6384.0 lm Eff. : 134.14 lm/W Fe = 19.675 W Scotopic:11180 S/P:1.7513

Electrical parameters

V = 229.8 V I = 0.2117 A P = 47.59 W PF = 0.9784 F=49.99 Hz

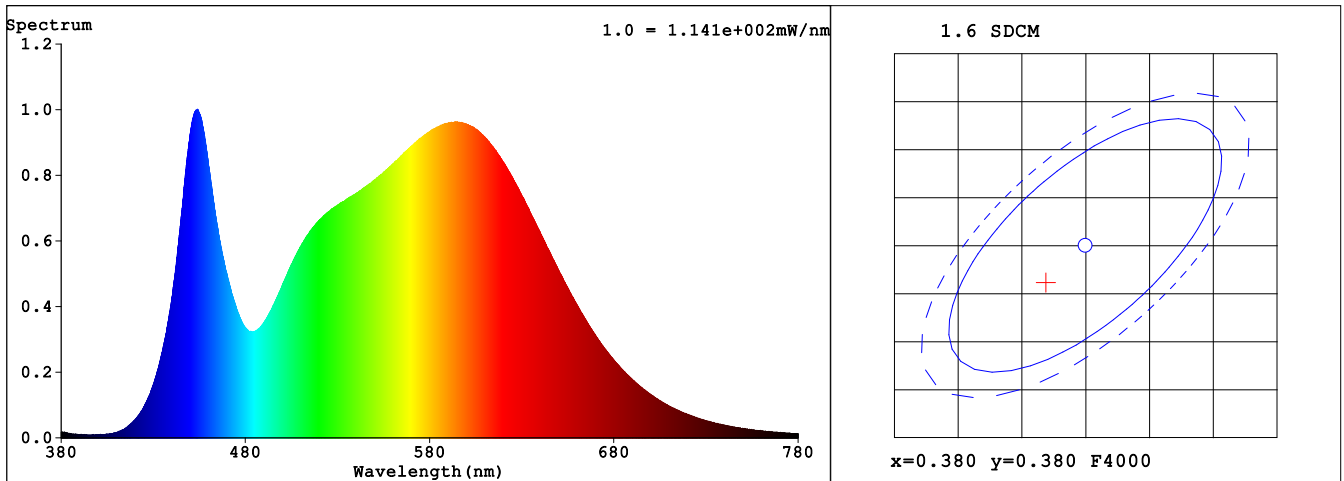
Spectrum Test Report

| | | | | | |
|---------------|---|-------|------------|---|---------------------|
| Sample | : | | Date | : | 2024-07-05 |
| Specification | : | | Standard | : | tus |
| Sample No. | : | 50W-3 | Instrument | : | HaasSuite(EVERFINE) |
| Manufacturer | : | | Test by | : | |
| Assessor | : | damin | | | |
| Remark | : | | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 55203 (84%) |
| Test Mode | : | Fast Test | T | : | 37 ms |
| Sensitivity | : | High | | | |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3769$ $y = 0.3761$ / $u' = 0.2230$ $v' = 0.5008$ ($duv=7.72e-04$)

CCT= 4092K Prcp WL: $L_d=578.3nm$ Purity=26.0%

Peak WL: $L_p=454nm$ FWHM: =28.0nm Ratio:R=18.2% G=78.0% B=3.9%

Render Index: $R_a = 84.2$

R1 =83 R2 =91 R3 =96 R4 =82 R5 =82 R6 =87 R7 =87

R8 =67 R9 =14 R10=77 R11=81 R12=63 R13=85 R14=98 R15=77

Photometric & Radiometric Parameters

Flux = 6444.6 lm Eff. : 134.49 lm/W Fe = 19.791 W Scotopic:11190 S/P:1.7363

Electrical parameters

V = 229.7 V I = 0.2133 A P = 47.92 W PF = 0.9780 F=49.99 Hz

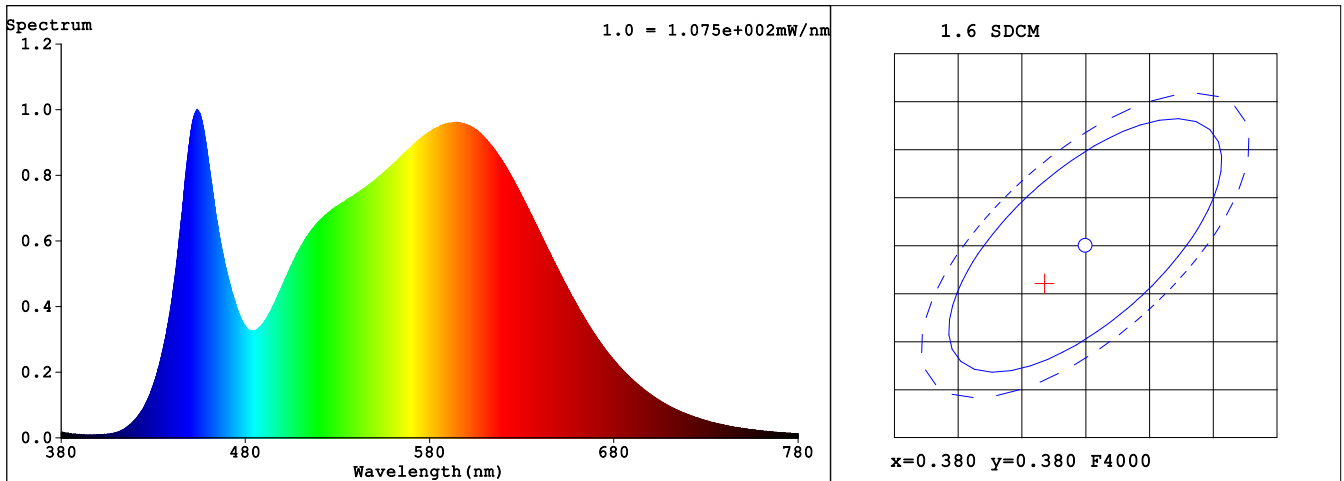
Spectrum Test Report

| | | | | | |
|---------------|---|-------|------------|---|---------------------|
| Sample | : | | Date | : | 2024-07-05 |
| Specification | : | | Standard | : | tus |
| Sample No. | : | 50W-4 | Instrument | : | HaasSuite(EVERFINE) |
| Manufacturer | : | | Test by | : | |
| Assessor | : | damin | | | |
| Remark | : | | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 51963 (79%) |
| Test Mode | : | Fast Test | T | : | 37 ms |
| Sensitivity | : | High | | | |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3768$ $y = 0.3760$ / $u' = 0.2230$ $v' = 0.5007$ ($duv=7.49e-04$)

CCT= 4095K Prcp WL: $L_d=578.3nm$ Purity=25.9%

Peak WL: $L_p=454nm$ FWHM: =28.2nm Ratio:R=18.2% G=78.0% B=3.9%

Render Index: $R_a = 84.3$

R1 =83 R2 =91 R3 =96 R4 =82 R5 =82 R6 =87 R7 =87

R8 =67 R9 =14 R10=77 R11=81 R12=63 R13=85 R14=98 R15=77

Photometric & Radiometric Parameters

Flux = 6060.5 lm Eff. : 126.55 lm/W Fe = 18.616 W Scotopic:10535 S/P:1.7383

Electrical parameters

V = 229.8 V I = 0.2131 A P = 47.89 W PF = 0.9780 F=49.99 Hz

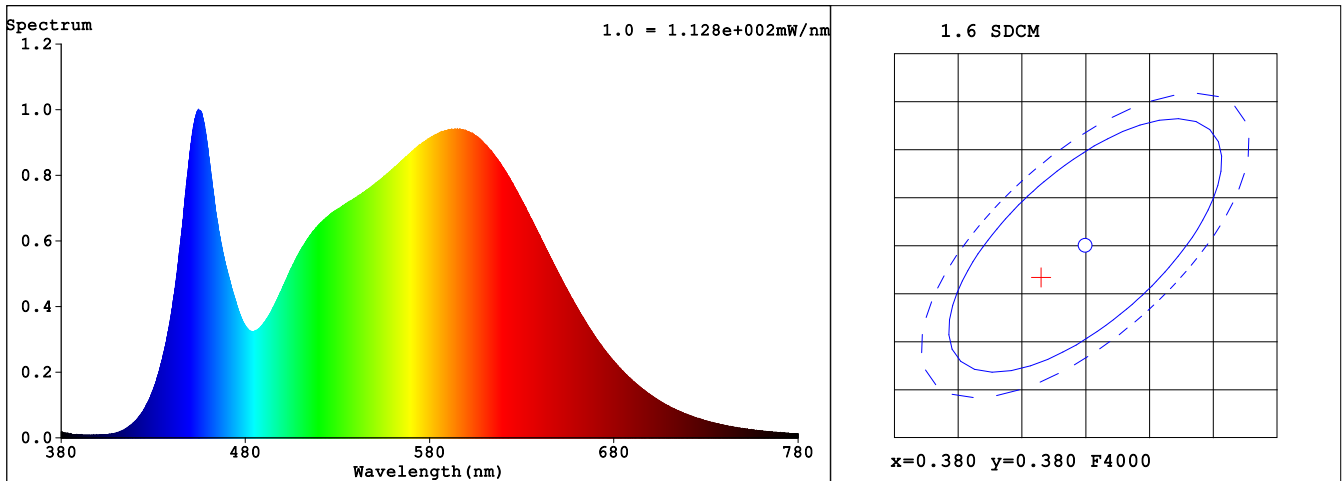
Spectrum Test Report

| | | | | | |
|---------------|---|-------|------------|---|---------------------|
| Sample | : | | Date | : | 2024-07-05 |
| Specification | : | | Standard | : | tus |
| Sample No. | : | 50W-5 | Instrument | : | HaasSuite(EVERFINE) |
| Manufacturer | : | | Test by | : | |
| Assessor | : | damin | | | |
| Remark | : | | | | |

Test Condition

| | | | | | |
|-------------|---|-------------|----|---|-------------|
| Temperature | : | 25.3Deg | RH | : | 65.0% |
| WL Range | : | 380nm-780nm | IP | : | 53411 (81%) |
| Test Mode | : | Fast Test | T | : | 37 ms |
| Sensitivity | : | High | | | |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3765$ $y = 0.3767$ / $u' = 0.2226$ $v' = 0.5010$ ($duv=1.13e-03$)

CCT= 4107K Prcp WL: $L_d=578.0nm$ Purity=26.0%

Peak WL: $L_p=455nm$ FWHM: =27.7nm Ratio:R=18.1% G=78.0% B=3.9%

Render Index: $R_a = 84.3$

R1 =83 R2 =91 R3 =96 R4 =82 R5 =82 R6 =87 R7 =87

R8 =67 R9 =15 R10=78 R11=81 R12=62 R13=85 R14=98 R15=77

Photometric & Radiometric Parameters

Flux = 6252.9 lm Eff. : 129.73 lm/W Fe = 19.199 W Scotopic:10912 S/P:1.7451

Electrical parameters

V = 229.8 V I = 0.2144 A P = 48.20 W PF = 0.9783 F=49.99 Hz