

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 20W 3000K :
 Manufacturer 10005240312-1

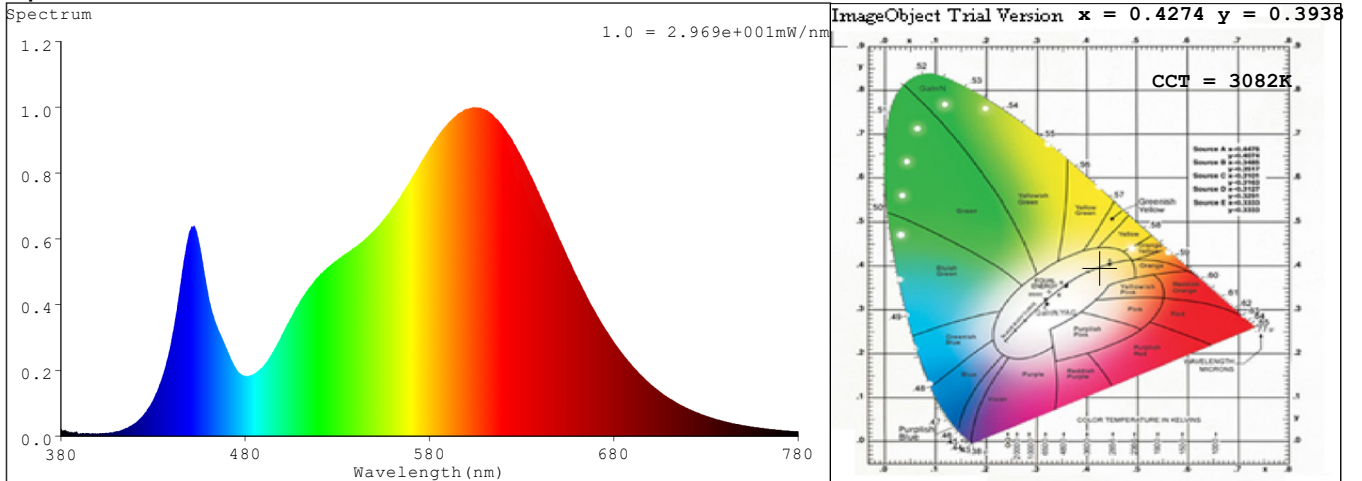
Date : 2024-04-29 09:22:16
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 49616 (76%)
 T : 120 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4274$ $y = 0.3938$ / $u' = 0.2488$ $v' = 0.5158$ ($duv = -2.81e-03$)
 CCT= 3082K Prcp WL: $L_d = 583.6nm$ Purity=46.4%
 Peak WL: $L_p = 604nm$ FWHM: =136.1nm Ratio:R=22.7% G=74.7% B=2.6%

Render Index: $R_a = 83.8$

$R_1 = 83$ $R_2 = 63$ $R_3 = 91$ $R_4 = 96$ $R_5 = 82$ $R_6 = 83$ $R_7 = 89$ $R_8 = 84$
 LEVEL:OUT $R_9 = 15$ $R_{10} = 80$ $R_{11} = 81$ $R_{12} = 72$ $R_{13} = 85$ $R_{14} = 98$ $R_{15} = 77$
 WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1479.7 lm Eff. : 80.37 lm/W Fe = 4.5783 W Scotopic:2045.7 S/P:1.3825

Electrical parameters

V = 11.77 V I = 2.119 A P = 18.41 W PF = 0.7382

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 20W 4000K
 Manufacturer : 10005240312-1

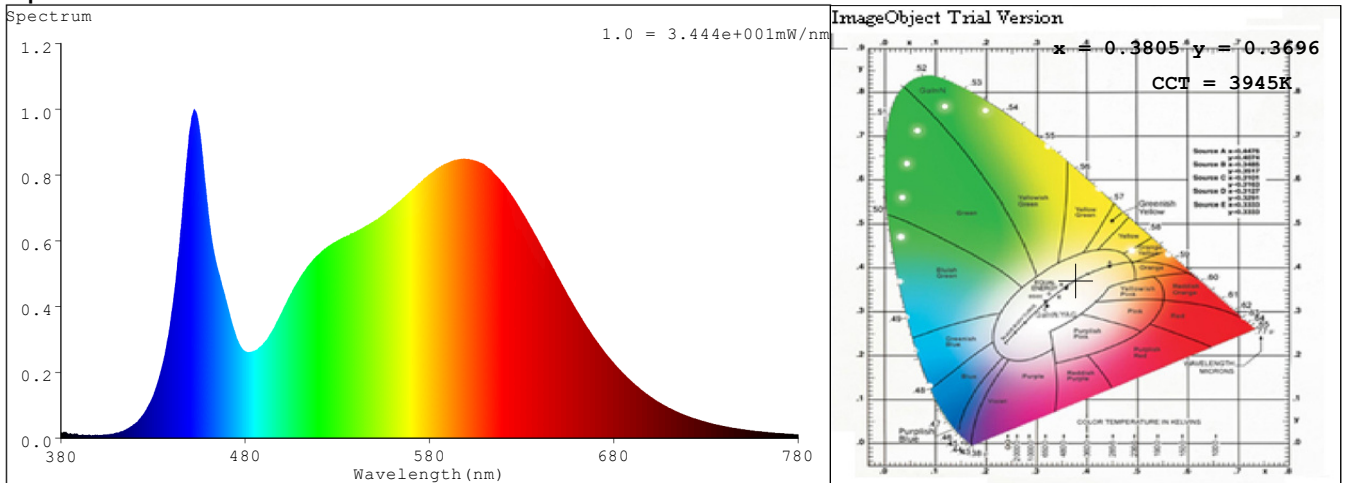
Date : 2024-04-29 09:22:39
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 49431 (75%)
 T : 120 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3805$ $y = 0.3696$ / $u' = 0.2280$ $v' = 0.4984$ ($duv = -3.40e-03$)
 CCT= 3945K Prcp WL: $L_d = 581.3nm$ Purity=25.1%
 Peak WL: $L_p = 453nm$ FWHM: =23.1nm Ratio:R=19.3% G=77.0% B=3.8%

Render Index: $R_a = 86.4$

R1 =86 R8 =70 R2 =93 R3 =95 R4 =85 R5 =86 R6 =88 R7 =87
 LEVEL:OUT R9 =27 R10=81 R11=85 R12=67 R13=88 R14=98 R15=82
 WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 1677.1 lm Eff. : 88.64 lm/W Fe = 5.2729 W Scotopic:2872 S/P:1.7125

Electrical parameters

V = 11.77 V I = 2.174 A P = 18.92 W PF = 0.7397

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 20W 5000K
 Manufacturer : 10005240312-1

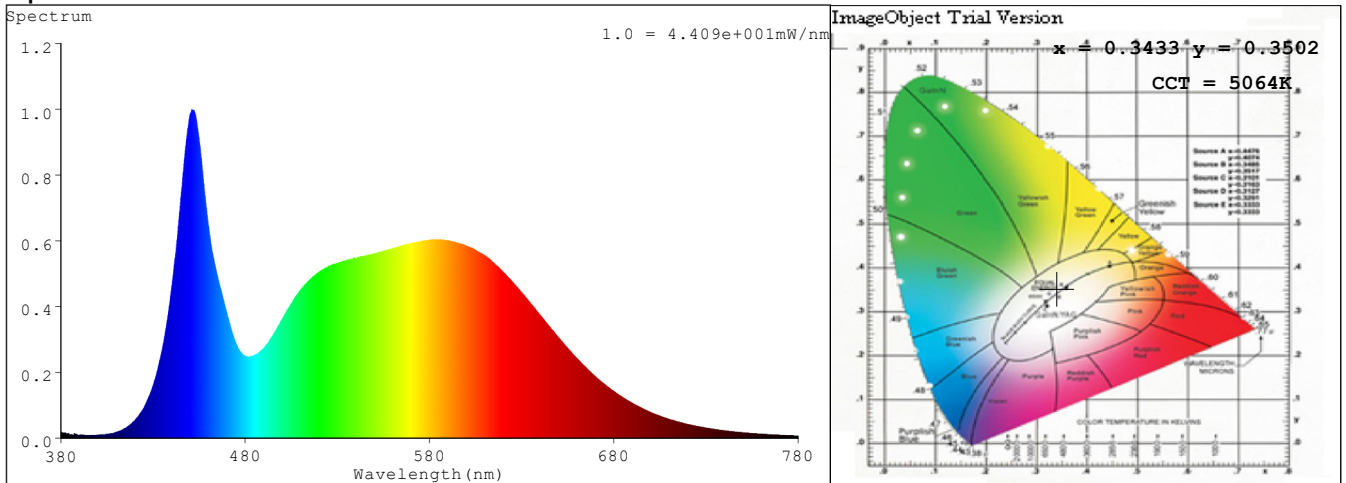
Date : 2024-04-29 09:23:02
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 45346 (69%)
 T : 120 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3433$ $y = 0.3502$ / $u' = 0.2107$ $v' = 0.4837$ ($duv=4.03e-05$)
 CCT= 5064K Prcp WL: $L_d=571.8nm$ Purity=8.1%
 Peak WL: $L_p=451nm$ FWHM: =23.6nm Ratio:R=16.0% G=79.3% B=4.6%

Render Index: $R_a = 85.1$

R1 =84 R8 =71 R2 =89 R3 =92 R4 =85 R5 =85 R6 =85 R7 =88
 LEVEL:OUT R9 =20 R10=74 R11=85 R12=65 R13=86 R14=96 R15=80
 WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 1702.3 lm Eff. : 81.23 lm/W Fe = 5.4195 W Scotopic:3371.3 S/P:1.9805

Electrical parameters

V = 11.73 V I = 2.391 A P = 20.96 W PF = 0.7471

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 25W 3000K
 Manufacturer : 10005240312-1

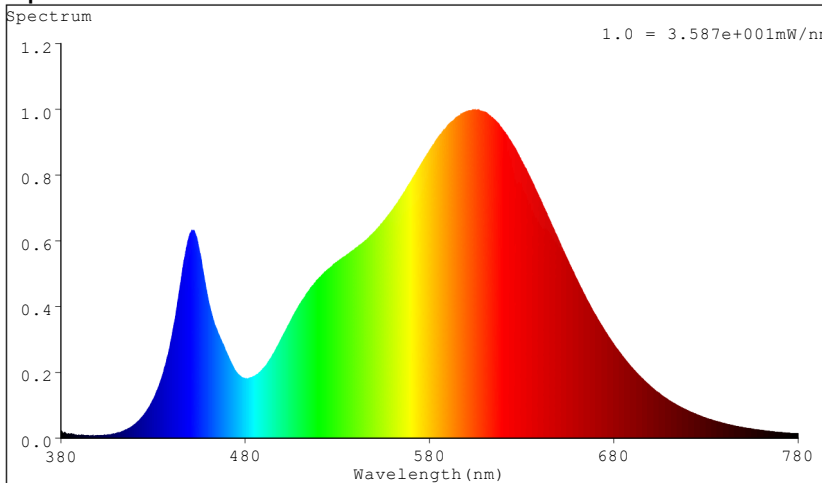
Date : 2024-04-29 09:23:34
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

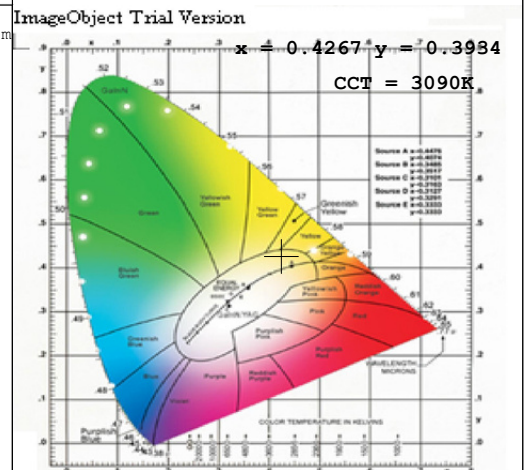
RH : 65.0%
 IP : 52453 (80%)
 T : 105 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 EVERFINE



CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4267$ $y = 0.3934$ / $u' = 0.2486$ $v' = 0.5156$ ($duv = -2.89e-03$)
 CCT= 3090K Prcp WL: $L_d = 583.6nm$ Purity=46.1%
 Peak WL: $L_p = 607nm$ FWHM: =136.4nm Ratio:R=22.7% G=74.8% B=2.6%

Render Index: $R_a = 83.7$

R1 =83 R8 =62 R2 =91 R3 =96 R4 =82 R5 =83 R6 =89 R7 =84
 LEVEL:OUT R9 =14 R10=79 R11=81 R12=72 R13=85 R14=98 R15=76
 WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 1790.7 lm Eff. : 75.08 lm/W Fe = 5.5431 W Scotopic:2476 S/P:1.3827

Electrical parameters

V = 11.69 V I = 2.697 A P = 23.85 W PF = 0.7569

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 25W 4000K
 Manufacturer : 10005240312-1

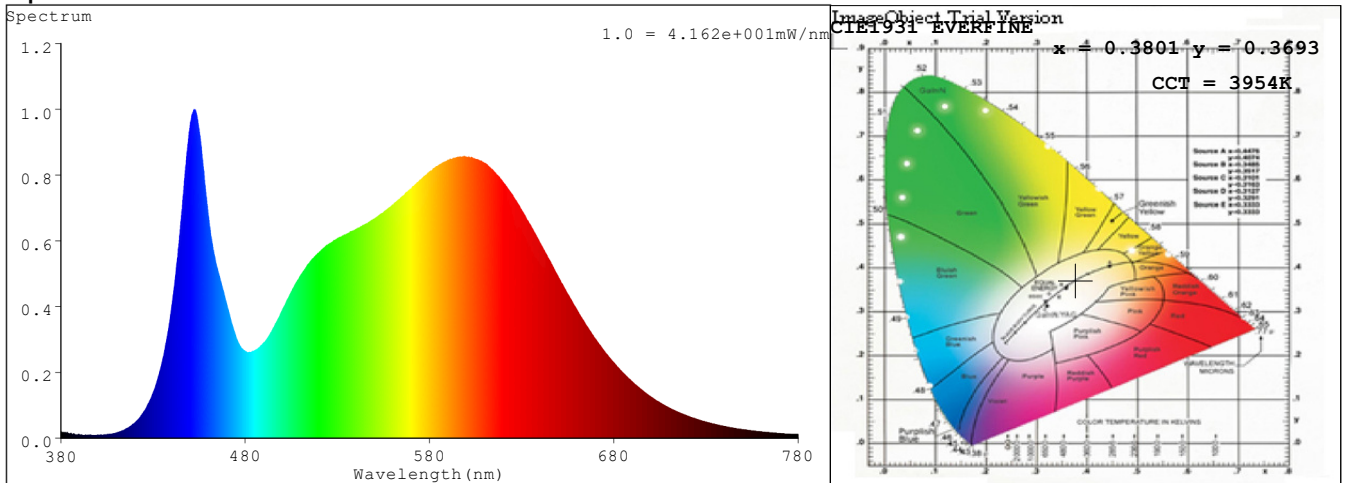
Date : 2024-04-29 09:24:04
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 52902 (81%)
 T : 105 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3801$ $y = 0.3693$ / $u' = 0.2279$ $v' = 0.4982$ ($duv = -3.45e-03$)
 CCT= 3954K Prcp WL: $L_d = 581.3nm$ Purity=24.9%
 Peak WL: $L_p = 452nm$ FWHM: =23.4nm Ratio:R=19.2% G=77.0% B=3.8%

Render Index: Ra = 86.3

R1 =86 R8 =70 R2 =92 R3 =95 R4 =85 R5 =86 R6 =88 R7 =87
 LEVEL:OUT R9 =26 R10=80 R11=85 R12=67 R13=88 R14=98 R15=82
 WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2047.0 lm Eff. : 84.36 lm/W Fe = 6.4390 W Scotopic:3504.3 S/P:1.7119

Electrical parameters

V = 11.68 V I = 2.735 A P = 24.26 W PF = 0.7598

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 25W 5000K
 Manufacturer : 10005240312-1

Date : 2024-04-29 09:24:35
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

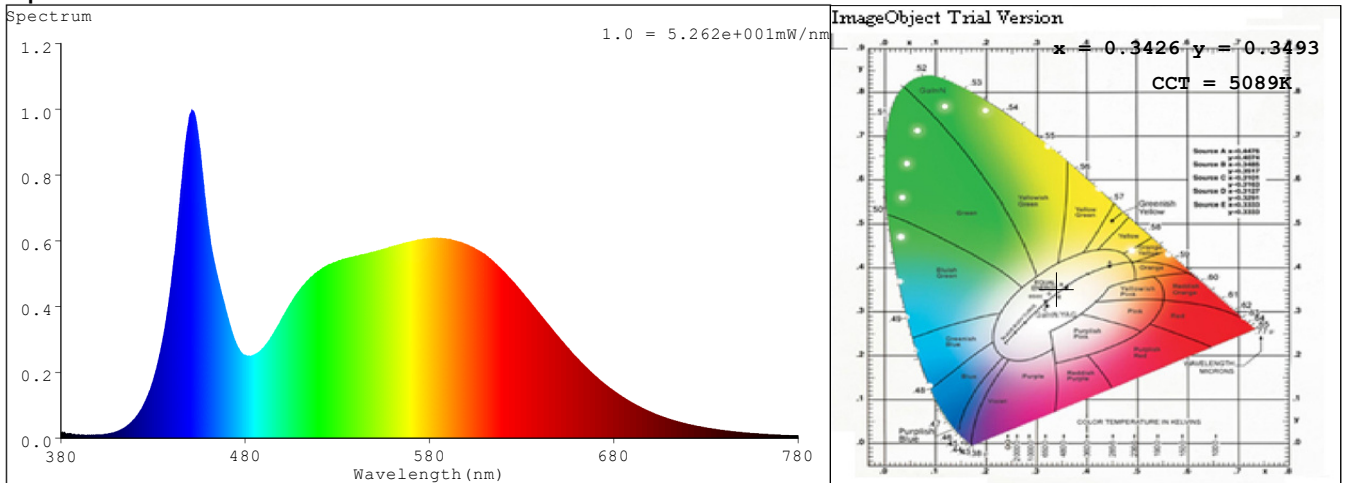
Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 47767 (73%)
 T : 105 ms
 Sensitivity : High

Spectrum

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3426$ $y = 0.3493$ / $u' = 0.2106$ $v' = 0.4832$ ($duv = -1.56e-04$)
 CCT= 5089K Prcp WL: $L_d = 571.6nm$ Purity=7.6%
 Peak WL: $L_p = 451nm$ FWHM: =24.2nm Ratio: R=16.0% G=79.4% B=4.6%

Render Index: $R_a = 85.0$

R1 =84 R8 =72 R2 =89 R3 =92 R4 =86 R5 =85 R6 =85 R7 =88
 LEVEL:OUT R9 =20 R10=74 R11=85 R12=65 R13=85 R14=96 R15=80
 WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 2049.4 lm Eff. : 75.71 lm/W Fe = 6.5386 W Scotopic:4061.8 S/P:1.9819

Electrical parameters

V = 11.63 V I = 3.026 A P = 27.07 W PF = 0.7693

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 30W 3000K
 Manufacturer : 10005240312-1

Date : 2024-04-29 09:25:06
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

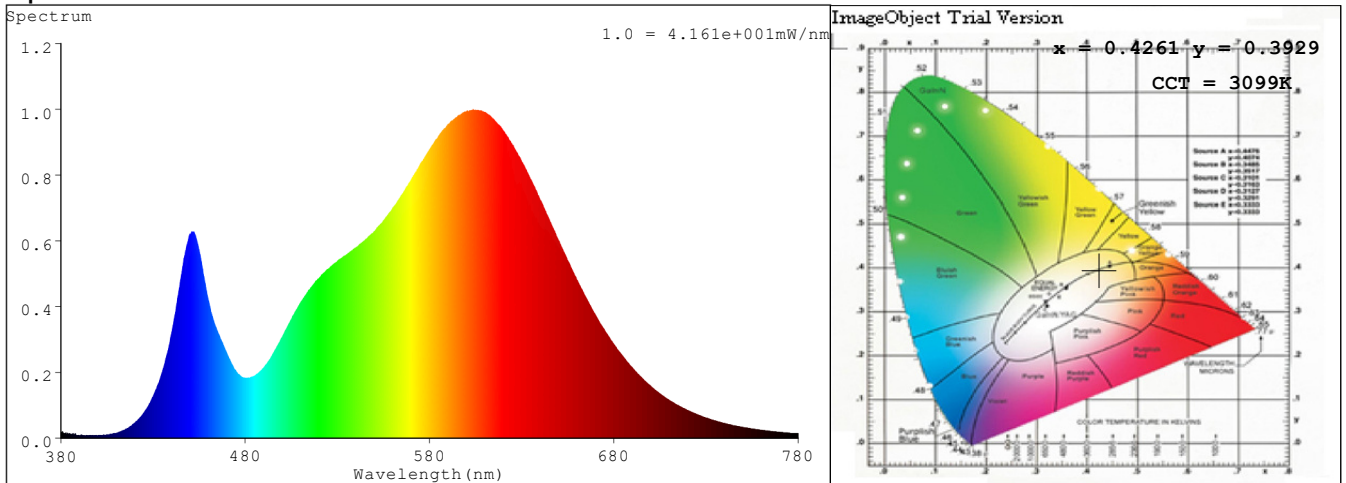
Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 52738 (80%)
 T : 91 ms
 Sensitivity : High

Spectrum

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4261$ $y = 0.3929$ / $u' = 0.2483$ $v' = 0.5153$ ($duv = -2.98e-03$)
 CCT= 3099K Prcp WL: $L_d = 583.6nm$ Purity=45.8%
 Peak WL: $L_p = 604nm$ FWHM: =136.4nm Ratio:R=22.6% G=74.8% B=2.6%

Render Index: Ra = 83.5

R1 =82 R8 =62 R2 =91 R3 =96 R4 =82 R5 =83 R6 =88 R7 =84
 LEVEL:OUT R9 =14 R10=79 R11=81 R12=72 R13=84 R14=98 R15=76
 WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 2080.0 lm Eff. : 70.41 lm/W Fe = 6.4417 W Scotopic:2879.3 S/P:1.3842

Electrical parameters

V = 11.59 V I = 3.289 A P = 29.54 W PF = 0.7751

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 30W 4000K
 Manufacturer : 10005240312-1

Date : 2024-04-29 09:25:57
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

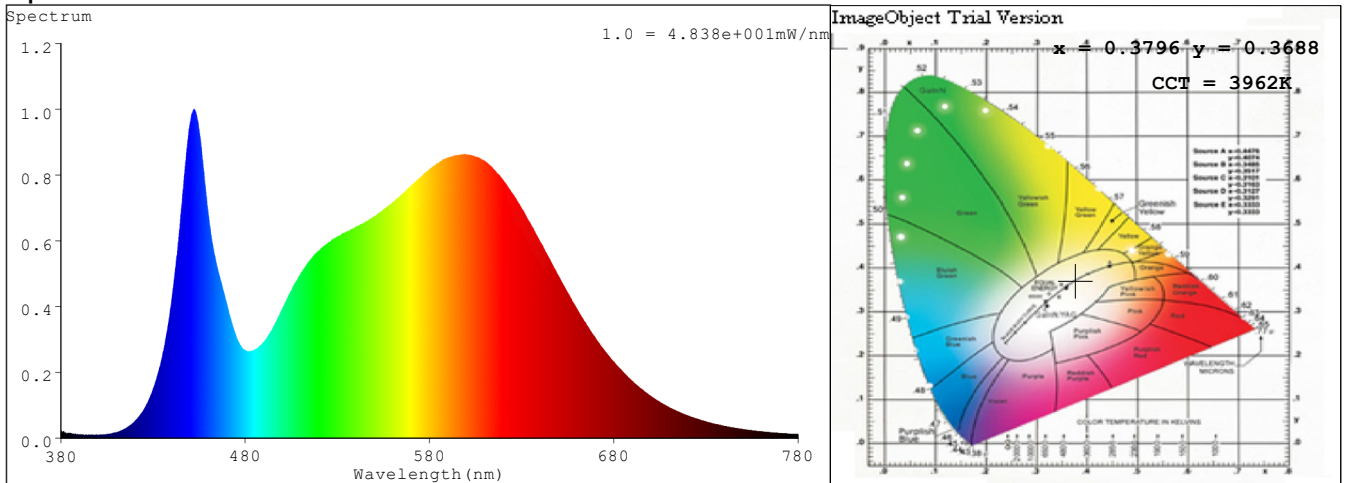
Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 53610 (82%)
 T : 91 ms
 Sensitivity : High

Spectrum

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3796$ $y = 0.3688$ / $u' = 0.2278$ $v' = 0.4979$ ($duv = -3.55e-03$)
 CCT= 3962K Prcp WL: $L_d = 581.4nm$ Purity=24.6%
 Peak WL: $L_p = 452nm$ FWHM: =23.8nm Ratio:R=19.2% G=77.1% B=3.8%

Render Index: $R_a = 86.2$

R1 =86 R8 =70 R2 =92 R3 =95 R4 =85 R5 =86 R6 =88 R7 =87
 LEVEL:OUT R9 =26 R10=80 R11=85 R12=67 R13=88 R14=97 R15=81
 WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2399.5 lm Eff. : 80.64 lm/W Fe = 7.5541 W Scotopic:4108.8 S/P:1.7123

Electrical parameters

V = 11.58 V I = 3.311 A P = 29.76 W PF = 0.7759

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 30W 5000K
 Manufacturer : 10005240312-1

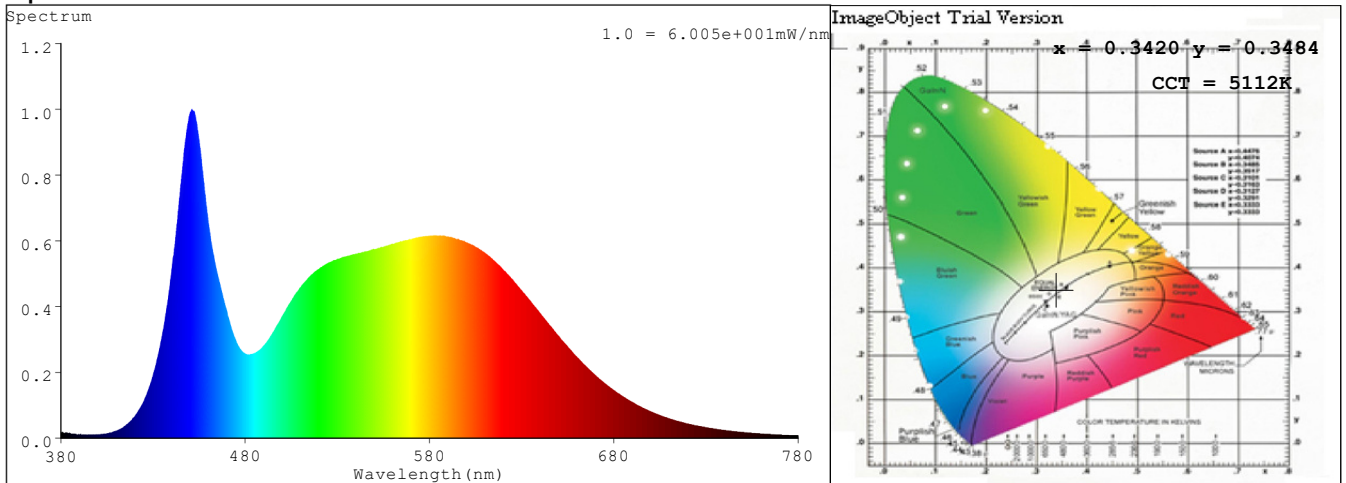
Date : 2024-04-29 09:26:29
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 47738 (73%)
 T : 91 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3420$ $y = 0.3484$ / $u' = 0.2106$ $v' = 0.4826$ ($duv = -3.53e-04$)
 CCT= 5112K Prcp WL: $L_d = 571.5nm$ Purity=7.2%
 Peak WL: $L_p = 451nm$ FWHM: =24.9nm Ratio:R=16.0% G=79.4% B=4.6%

Render Index: $R_a = 85.0$

R1 =84 R8 =72 R2 =89 R3 =92 R4 =86 R5 =85 R6 =85 R7 =88
 LEVEL:OUT R9 =20 R10=74 R11=85 R12=66 R13=85 R14=95 R15=80
 WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 2363.9 lm Eff. : 70.87 lm/W Fe = 7.5585 W Scotopic:4692.4 S/P:1.985

Electrical parameters

V = 11.52 V I = 3.677 A P = 33.36 W PF = 0.7874

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 35W 3000K
 Manufacturer : 10005240312-1

Date : 2024-04-29 09:26:52
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

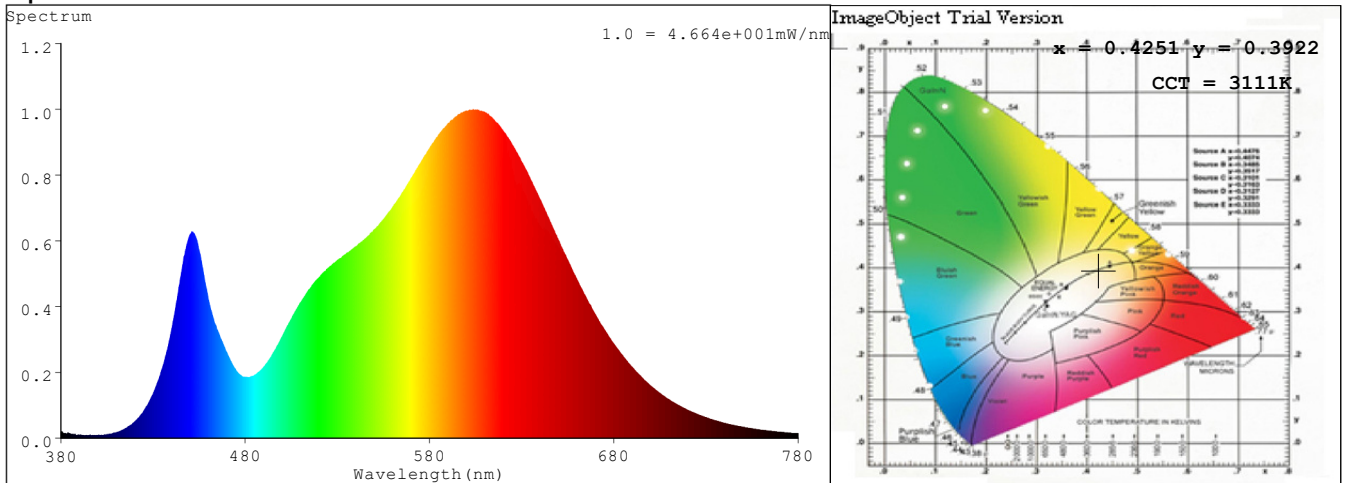
Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 59109 (90%)
 T : 91 ms
 Sensitivity : High

Spectrum

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4251$ $y = 0.3922$ / $u' = 0.2480$ $v' = 0.5149$ ($duv = -3.09e-03$)
 CCT= 3111K Prcp WL: $L_d = 583.6nm$ Purity=45.3%
 Peak WL: $L_p = 604nm$ FWHM: =136.8nm Ratio:R=22.5% G=74.9% B=2.6%

Render Index: $R_a = 83.5$

R1 =82 R8 =62 R2 =91 R3 =96 R4 =82 R5 =82 R6 =88 R7 =84
 LEVEL:OUT R9 =14 R10=79 R11=81 R12=72 R13=84 R14=98 R15=76
 WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 2340.0 lm Eff. : 65.98 lm/W Fe = 7.2550 W Scotopic:3248.4 S/P:1.3882

Electrical parameters

V = 11.49 V I = 3.896 A P = 35.47 W PF = 0.7922

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 35W 4000K
 Manufacturer : 10005240312-1

Date : 2024-04-29 09:27:23
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

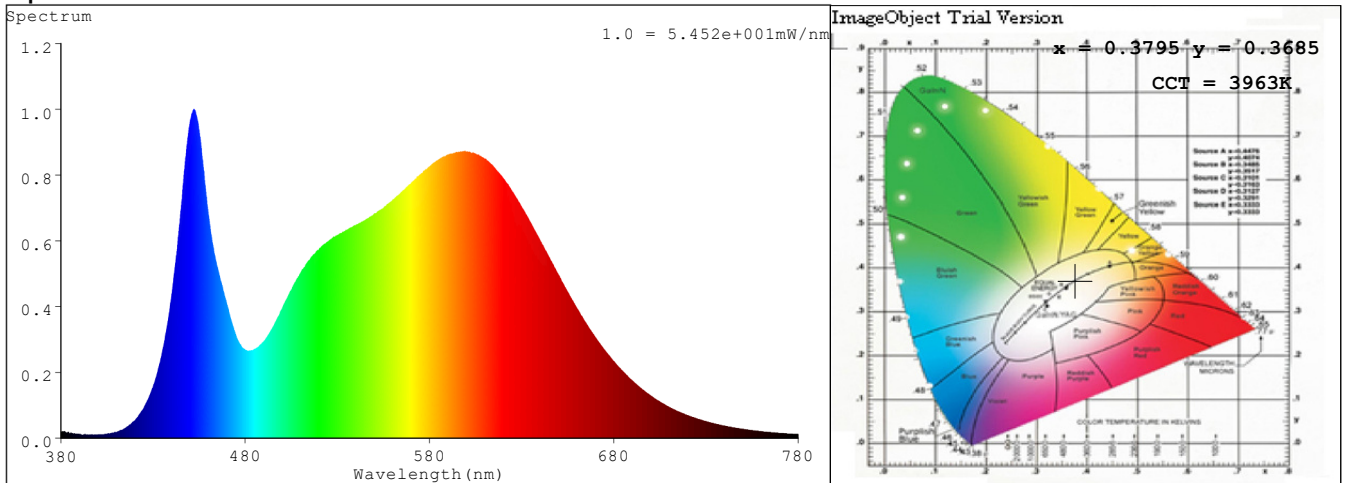
Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 48360 (74%)
 T : 72 ms
 Sensitivity : High

Spectrum

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3795$ $y = 0.3685$ / $u' = 0.2278$ $v' = 0.4978$ ($duv = -3.64e-03$)
 CCT= 3963K Prcp WL: $L_d = 581.4nm$ Purity=24.5%
 Peak WL: $L_p = 452nm$ FWHM: =24.2nm Ratio:R=19.2% G=77.1% B=3.7%

Render Index: $R_a = 86.1$

R1 =86 R2 =92 R3 =95 R4 =85 R5 =86 R6 =88 R7 =87
 =70 R9 =25 R10=80 R11=84 R12=67 R13=88 R14=97 R15=81
 LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2729.3 lm Eff. : 76.99 lm/W Fe = 8.5946 W Scotopic:4668.5 S/P:1.7105

Electrical parameters

V = 11.49 V I = 3.899 A P = 35.45 W PF = 0.7912

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 35W 5000K
 Manufacturer : 10005240312-1

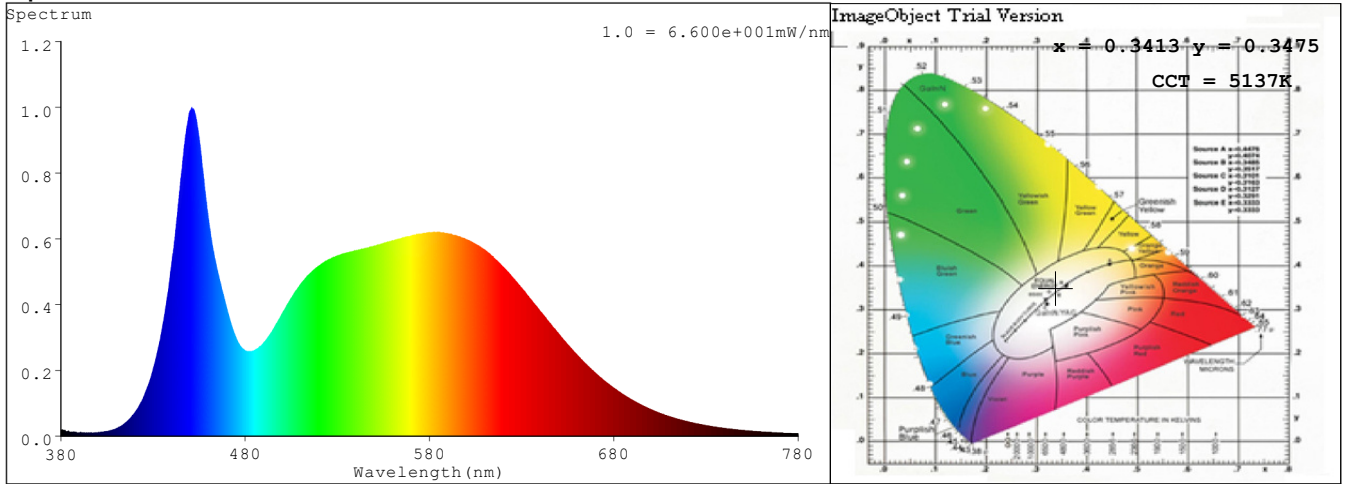
Date : 2024-04-29 09:27:43
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 52891 (81%)
 T : 91 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3413$ $y = 0.3475$ / $u' = 0.2104$ $v' = 0.4821$ ($duv = -5.18e-04$)
 CCT= 5137K Prcp WL: $L_d = 571.2nm$ Purity=6.7%
 Peak WL: $L_p = 451nm$ FWHM: =25.5nm Ratio:R=15.9% G=79.4% B=4.6%

Render Index: $R_a = 85.0$

R1 =84 R8 =72 R2 =89 R3 =92 R4 =86 R5 =85 R6 =85 R7 =88
 LEVEL:OUT R9 =21 R10=73 R11=85 R12=66 R13=85 R14=95 R15=80
 WHITE:ANSI_5000K

Photometric & Radiometric Parameters

Flux = 2617.8 lm Eff. : 66.72 lm/W Fe = 8.3899 W Scotopic:5209.1 S/P:1.9898

Electrical parameters

V = 11.43 V I = 4.277 A P = 39.24 W PF = 0.8025

Spectrum Test Report

Sample : 2507D
 Specification : 2507D
 Sample No. : 40W 3000K
 Manufacturer : 10005240312-1

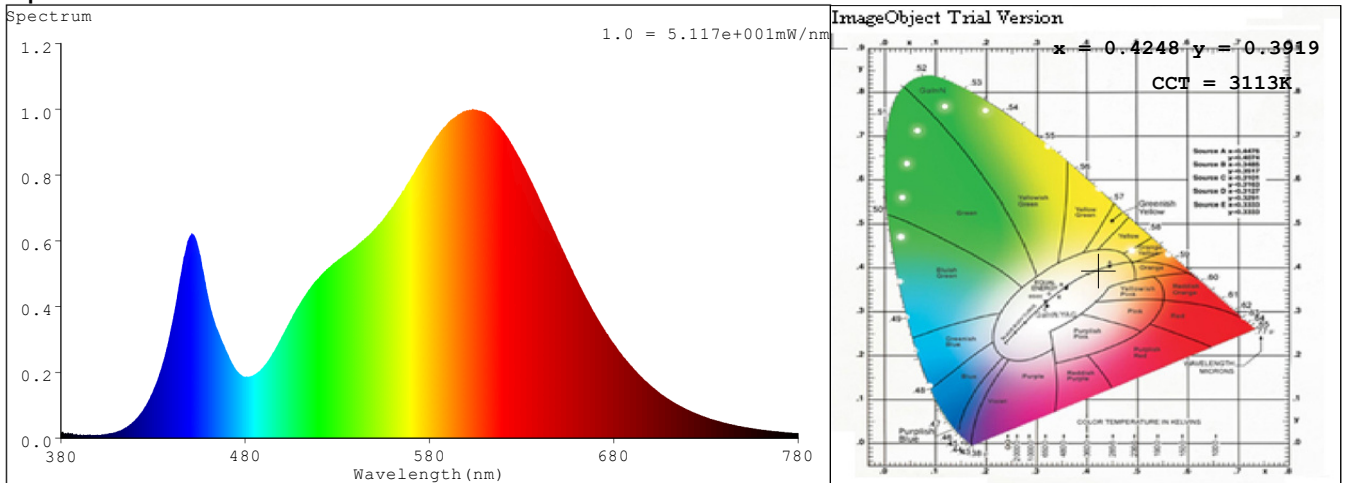
Date : 2024-04-29 09:35:57
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : simei
 Assessor : damin

Test Condition

Temperature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test

RH : 65.0%
 IP : 51300 (78%)
 T : 72 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4248$ $y = 0.3919$ / $u' = 0.2480$ $v' = 0.5147$ ($duv = -3.19e-03$)
 CCT= 3113K Prcp WL: $L_d = 583.6 \text{ nm}$ Purity=45.1%
 Peak WL: $L_p = 603 \text{ nm}$ FWHM: =136.3nm Ratio:R=22.5% G=74.9% B=2.6%

Render Index: $R_a = 83.3$

R1 =82 R8 =62 R2 =91 R3 =96 R4 =81 R5 =82 R6 =88 R7 =83
 LEVEL:OUT R9 =13 R10=78 R11=81 R12=72 R13=84 R14=98 R15=76
 WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 2566.1 lm Eff. : 62.15 lm/W Fe = 7.9554 W Scotopic:3561.7 S/P:1.388

Electrical parameters

V = 11.39 V I = 4.480 A P = 41.29 W PF = 0.8091

Spectrum Test Report

Sample : 2507D
Specification : 2507D
Sample No. : 40W 4000K
Manufacturer : 10005240312-1

Date : 2024-04-29 09:36:19
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : simei
Assessor : damin

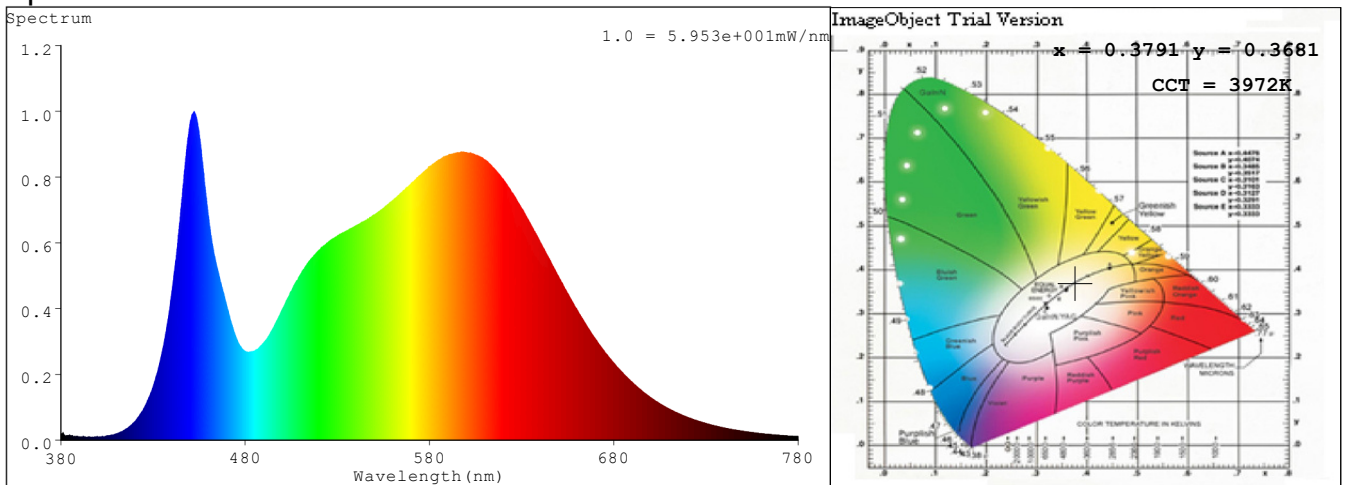
Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 53092 (81%)
T : 72 ms
Sensitivity : High

Spectrum

CIE1931 EVERFINE



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3791$ $y = 0.3681$ / $u' = 0.2277$ $v' = 0.4975$ ($duv = -3.71e-03$)
CCT= 3972K Prcp WL: $L_d = 581.5nm$ Purity=24.2%
Peak WL: $L_p = 452nm$ FWHM: =24.6nm Ratio:R=19.1% G=77.1% B=3.7%

Render Index: $R_a = 86.1$

R1 =86 R8 =70 R2 =92 R3 =95 R4 =85 R5 =86 R6 =88 R7 =87
LEVEL:OUT R9 =25 R10=80 R11=84 R12=67 R13=87 R14=97 R15=81
WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2999.5 lm Eff. : 73.88 lm/W Fe = 9.4534 W Scotopic:5135.7 S/P:1.7122

Electrical parameters

V = 11.40 V I = 4.416 A P = 40.60 W PF = 0.8062