



Spectrum Test Report



Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:08
Manufacturer :

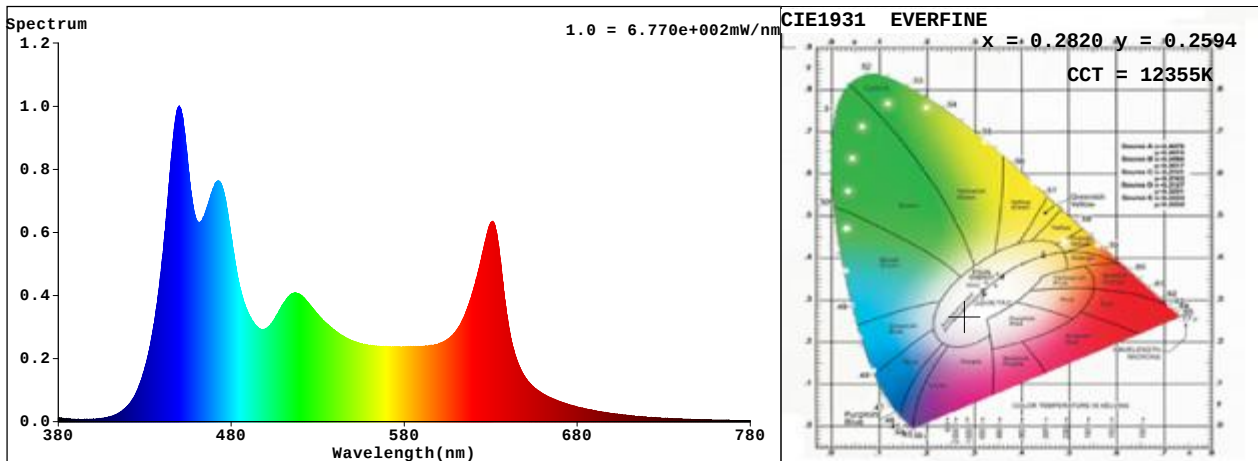
Date : 2020-03-14 15:31:30
Sam. Status : Full
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50924 (78%)
T : 62 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2820$ $y = 0.2594$ / $u' = 0.2033$ $v' = 0.4207$ ($duv = -1.71e-02$)

CCT= 12355K Prcp WL: $L_d = 466.4\text{nm}$ Purity=25.6%

Peak WL: $L_p = 450\text{nm}$ FWHM: $=42.5\text{nm}$ Ratio: R=19.4% G=69.9% B=10.7%

Render Index: $R_a = 70.7$ CRI = 60.1 AvgR = 59.4

R1 =57 R2 =73 R3 =92 R4 =67 R5 =66 R6 =72 R7 =85

R8 =54 R9 =-50 R10=46 R11=61 R12=67 R13=60 R14=92 R15=49

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 15032 lm Eff. : 51.72 lm/W $F_e = 62.997\text{ W}$

Electrical parameters

V = 219.9 V I = 1.416 A P = 290.7 W PF = 0.9333 F=50.01 Hz

EVERFINE CORPORATION

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Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:09
Manufacturer :

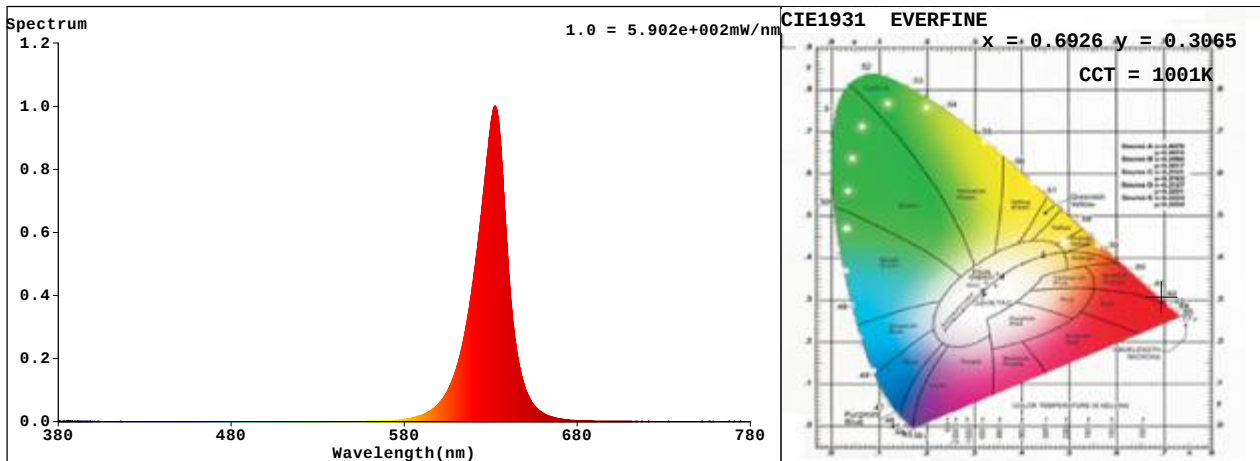
Date : 2020-03-14 15:32:26
Sam. Status : R
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 55196 (84%)
T : 49 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6926$ $y = 0.3065$ / $u' = 0.5234$ $v' = 0.5212$ ($duv = -7.59e-02$)

CCT= 1001K Prcp WL: Ld=620.9nm Purity=99.8%

Peak WL: Lp=633nm FWHM: =19.0nm Ratio:R=94.3% G=5.7% B=0.0%

Render Index: Ra = 20.2 CRI = 14.5 AvgR = 12.0

R1 =11 R2 =78 R3 =36 R4 =-19 R5 =7 R6 =89 R7 =14

R8 =-55 R9 =-196 R10=72 R11=-9 R12=79 R13=32 R14=63 R15=-24

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 2705.0 lm Eff. : 31.65 lm/W Fe = 13.725 W

Electrical parameters

V = 219.9 V I = 0.5204 A P = 85.47 W PF = 0.7467 F=50.01 Hz



Spectrum Test Report



Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:10
Manufacturer :

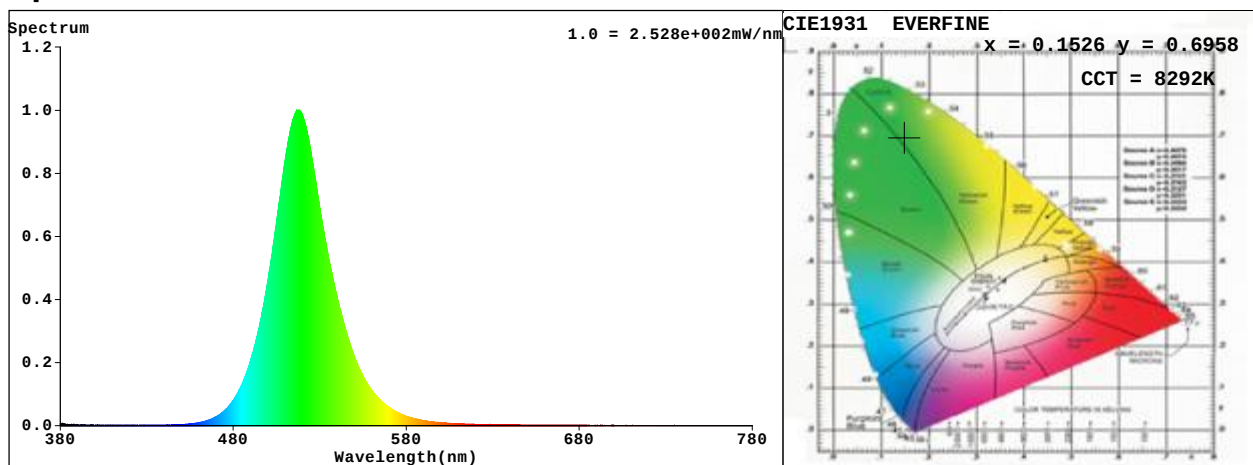
Date : 2020-03-14 15:33:10
Sam. Status : G
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51637 (79%)
T : 109 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1526$ $y = 0.6958$ / $u' = 0.0553$ $v' = 0.5670$ ($duv=1.59e-01$)

CCT= 8292K Prcp WL: Ld=521.2nm Purity=72.4%

Peak WL: Lp=518nm FWHM: =35.2nm Ratio:R=0.3% G=95.7% B=4.0%

Render Index: Ra = -18.0 CRI = -49.0 AvgR = -47.8

R1 = -34 R2 = -2 R3 = -9 R4 = -57 R5 = -8 R6 = -10 R7 = 2

R8 = -27 R9 = -353 R10 = -91 R11 = -83 R12 = -22 R13 = -39 R14 = 46 R15 = -31

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 4742.2 lm Eff. : 43.22 lm/W Fe = 10.571 W

Electrical parameters

V = 219.9 V I = 0.6283 A P = 109.7 W PF = 0.7941 F=50.01 Hz

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Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:11
Manufacturer :

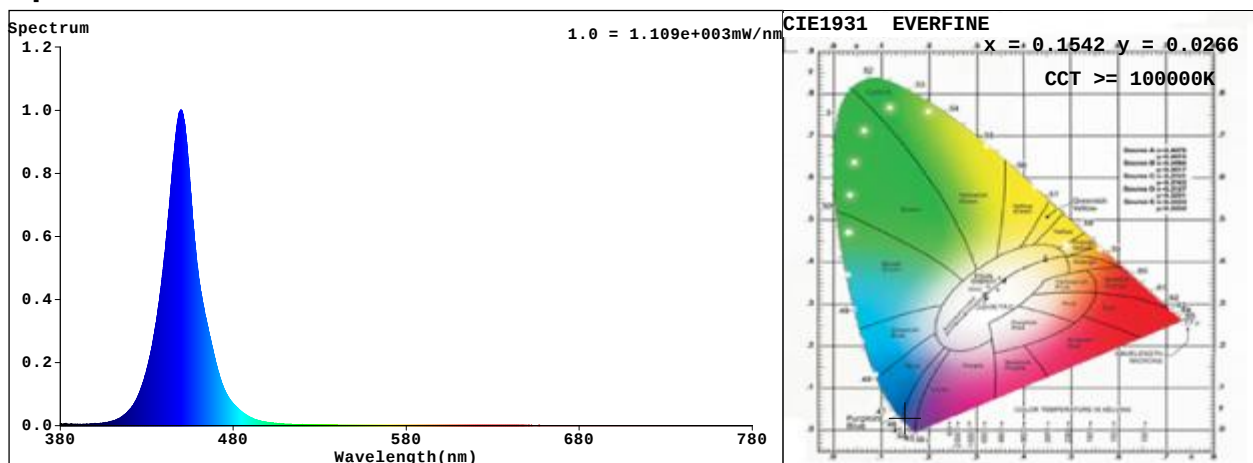
Date : 2020-03-14 15:33:39
Sam. Status : B
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 48926 (75%)
T : 43 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1542$ $y = 0.0266$ / $u' = 0.2049$ $v' = 0.0796$ ($duv = -2.14e-01$)

CCT>=100000K Prcp WL: $L_d = 454.5\text{nm}$ Purity=98.5%

Peak WL: $L_p = 450\text{nm}$ FWHM: =19.8nm Ratio:R=1.2% G=11.4% B=87.4%

Render Index: $R_a = -58.0$ CRI = -90.0 AvgR = -83.1

R1 = -3 R2 = -49 R3 = -163 R4 = -99 R5 = 10 R6 = -56 R7 = -60

R8 = -44 R9 = -244 R10 = -239 R11 = -124 R12 = -126 R13 = -23 R14 = -38 R15 = 12

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 993.56 lm Eff. : 10.39 lm/W Fe = 28.355 W

Electrical parameters

V = 219.9 V I = 0.5653 A P = 95.61 W PF = 0.7690 F=50.01 Hz



Spectrum Test Report



Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:12
Manufacturer :

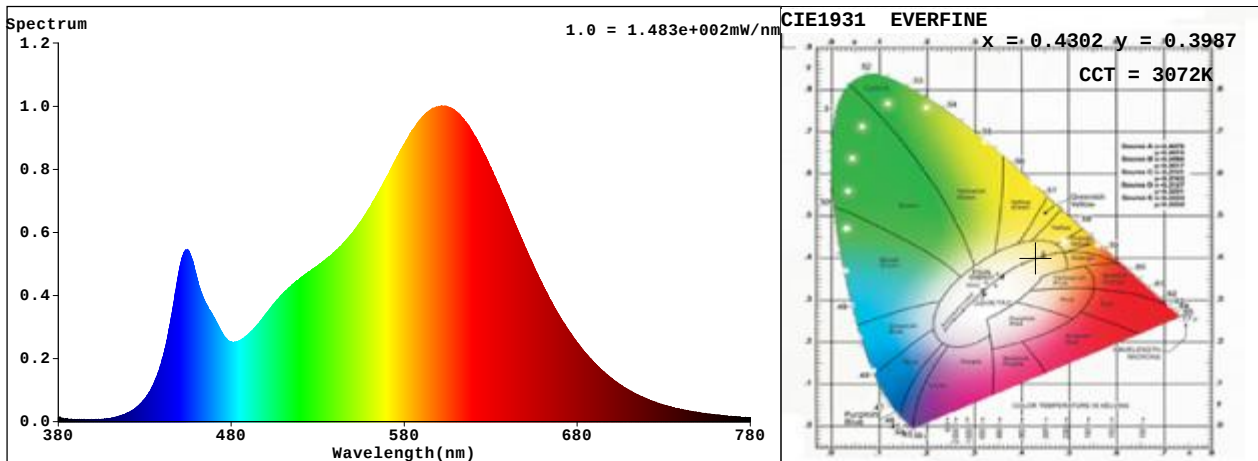
Date : 2020-03-14 15:34:03
Sam. Status : W
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50958 (78%)
T : 162 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4302$ $y = 0.3987$ / $u' = 0.2485$ $v' = 0.5183$ ($duv = -1.20e-03$)

CCT= 3072K Prcp WL: Ld=583.0nm Purity=48.8%

Peak WL: Lp=602nm FWHM: =122.9nm Ratio:R=22.5% G=74.4% B=3.0%

Render Index: Ra = 82.4 CRI = 77.3 AvgR = 77.1

R1 =81 R2 =93 R3 =94 R4 =79 R5 =82 R6 =92 R7 =81

R8 =57 R9 =5 R10=84 R11=79 R12=75 R13=85 R14=97 R15=74

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 7245.2 lm Eff. : 74.90 lm/W Fe = 21.988 W

Electrical parameters

V = 220.0 V I = 0.5704 A P = 96.73 W PF = 0.7711 F=50.01 Hz

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Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:13
Manufacturer :

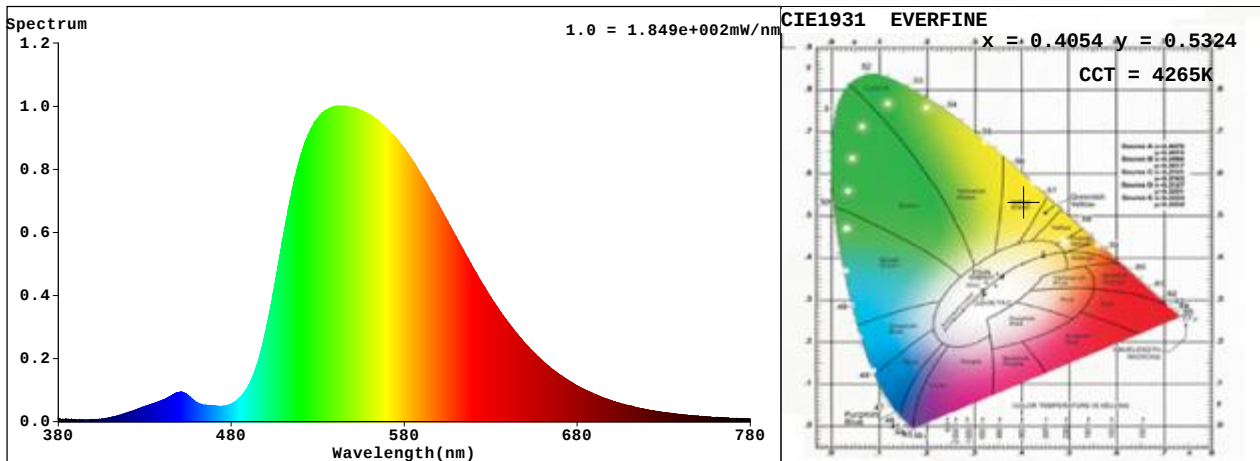
Date : 2020-03-14 15:34:26
Sam. Status : L
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52314 (80%)
T : 133 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4054$ $y = 0.5324$ / $u' = 0.1890$ $v' = 0.5586$ ($duv = 5.20e-02$)

CCT= 4265K Prcp WL: Ld=566.8nm Purity=81.7%

Peak WL: Lp=542nm FWHM: =111.1nm Ratio:R=11.2% G=87.8% B=1.0%

Render Index: Ra = 53.7 CRI = 36.5 AvgR = 36.0

R1 =43 R2 =60 R3 =77 R4 =43 R5 =44 R6 =52 R7 =79

R8 =32 R9 =-113 R10=15 R11=29 R12=16 R13=45 R14=89 R15=28

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 10239 lm Eff. : 104.78 lm/W Fe = 22.640 W

Electrical parameters

V = 219.9 V I = 0.5748 A P = 97.72 W PF = 0.7730 F=50.01 Hz

Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:14
Manufacturer :

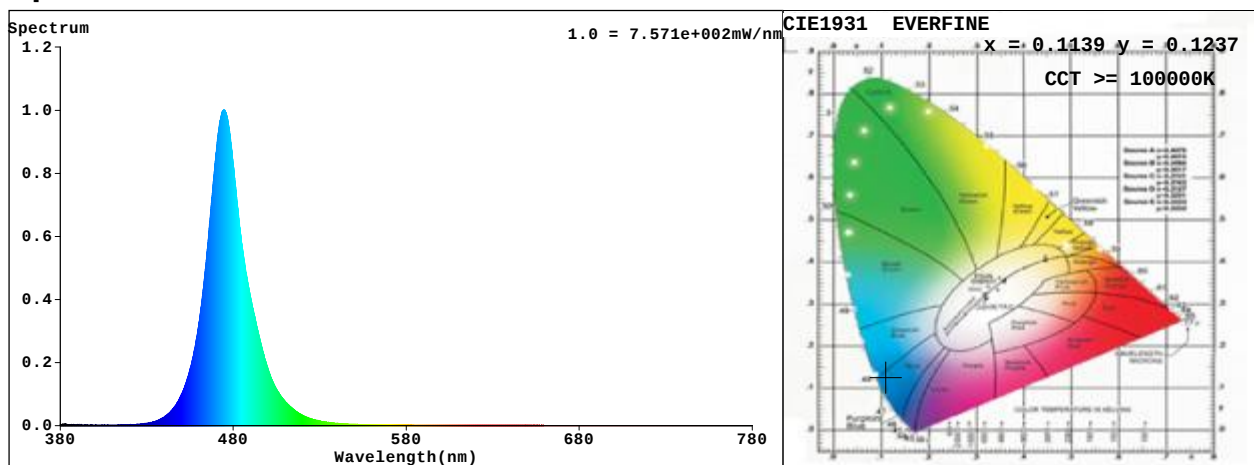
Date : 2020-03-14 15:34:48
Sam. Status : C
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 53993 (82%)
T : 53 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1139$ $y = 0.1237$ / $u' = 0.1071$ $v' = 0.2615$ ($duv=1.17e-01$)

CCT>=100000K Prcp WL: $L_d=477.8nm$ Purity=94.0%

Peak WL: $L_p=475nm$ FWHM: $=23.0nm$ Ratio:R=0.4% G=26.8% B=72.8%

Render Index: $R_a = -35.5$ $CRI = -68.0$ $AvgR = -63.6$

$R_1 = -14$ $R_2 = -27$ $R_3 = -97$ $R_4 = -63$ $R_5 = 6$ $R_6 = -39$ $R_7 = -27$

$R_8 = -23$ $R_9 = -277$ $R_{10} = -188$ $R_{11} = -90$ $R_{12} = -70$ $R_{13} = -31$ $R_{14} = -13$ $R_{15} = -2$

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 2346.1 lm Eff. : 25.13 lm/W Fe = 21.869 W

Electrical parameters

V = 219.9 V I = 0.5549 A P = 93.35 W PF = 0.7650 F=50.01 Hz

Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:15
Manufacturer :

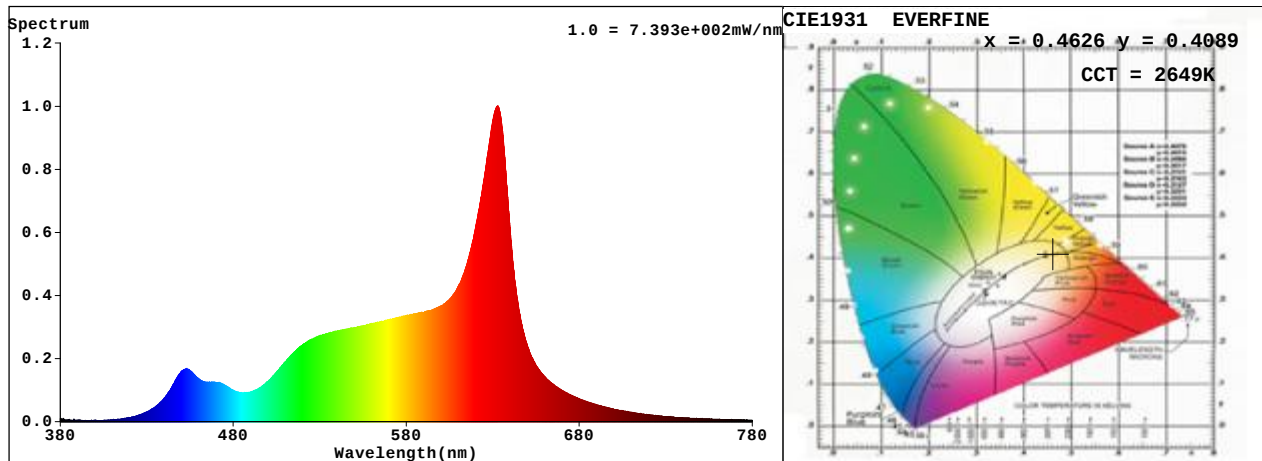
Date : 2020-03-14 15:35:30
Sam. Status : 2700K
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 46537 (71%)
T : 33 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4626$ $y = 0.4089$ / $u' = 0.2650$ $v' = 0.5271$ ($duv = -8.54e-04$)

CCT= 2649K Prcp WL: $L_d = 584.7nm$ Purity=61.6%

Peak WL: $L_p = 633nm$ FWHM: $=26.6nm$ Ratio: R=28.5% G=69.3% B=2.2%

Render Index: $R_a = 95.7$ CRI = 94.7 AvgR = 94.9

R1 =94 R2 =99 R3 =91 R4 =93 R5 =96 R6 =95 R7 =99

R8 =98 R9 =97 R10=96 R11=89 R12=90 R13=95 R14=93 R15=97

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 17275 lm Eff. : 70.34 lm/W $Fe = 53.220 W$

Electrical parameters

V = 219.9 V I = 1.215 A P = 245.6 W PF = 0.9193 F=50.01 Hz



Spectrum Test Report



Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:16
Manufacturer :

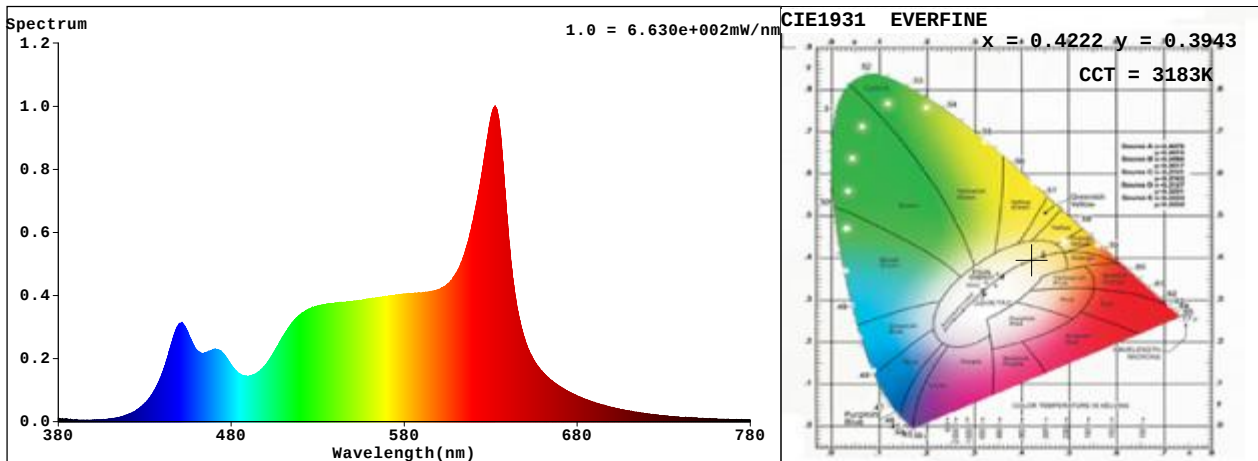
Date : 2020-03-14 15:35:55
Sam. Status : 3200K
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 51880 (79%)
T : 41 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4222$ $y = 0.3943$ / $u' = 0.2452$ $v' = 0.5153$ ($duv = -1.75e-03$)

CCT= 3183K Prcp WL: $L_d = 582.8\text{nm}$ Purity=45.1%

Peak WL: $L_p = 633\text{nm}$ FWHM: $=29.3\text{nm}$ Ratio: R=24.7% G=72.3% B=3.1%

Render Index: $R_a = 96.5$ CRI = 95.1 AvgR = 95.2

R1 =96 R2 =99 R3 =92 R4 =95 R5 =98 R6 =96 R7 =99

R8 =98 R9 =97 R10=95 R11=92 R12=85 R13=97 R14=93 R15=97

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 18857 lm Eff. : 71.30 lm/W $F_e = 58.181\text{ W}$

Electrical parameters

V = 219.9 V I = 1.299 A P = 264.5 W PF = 0.9259 F=50.01 Hz

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Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:17
Manufacturer :

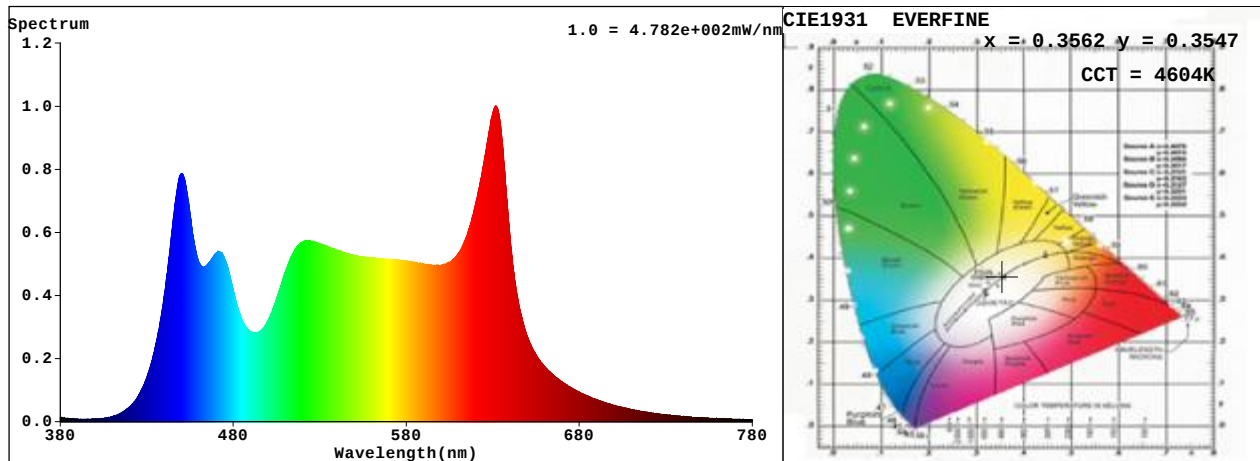
Date : 2020-03-14 15:36:20
Sam. Status : 4500K
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52104 (80%)
T : 57 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3562$ $y = 0.3547$ / $u' = 0.2177$ $v' = 0.4878$ ($duv = -2.74e-03$)

CCT= 4604K Prcp WL: Ld=578.9nm Purity=13.3%

Peak WL: Lp=632nm FWHM: =38.3nm Ratio:R=19.8% G=75.3% B=5.0%

Render Index: Ra = 96.1 CRI = 94.0 AvgR = 94.0

R1 =95 R2 =99 R3 =93 R4 =96 R5 =97 R6 =95 R7 =99

R8 =95 R9 =88 R10=98 R11=93 R12=78 R13=96 R14=95 R15=94

LEVEL:OUT WHITE:ANSI_4500K

Photometric & Radiometric Parameters

Flux = 18244 lm Eff. : 68.12 lm/W Fe = 59.208 W

Electrical parameters

V = 219.9 V I = 1.314 A P = 267.8 W PF = 0.9268 F=50.01 Hz



Spectrum Test Report



Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:18
Manufacturer :

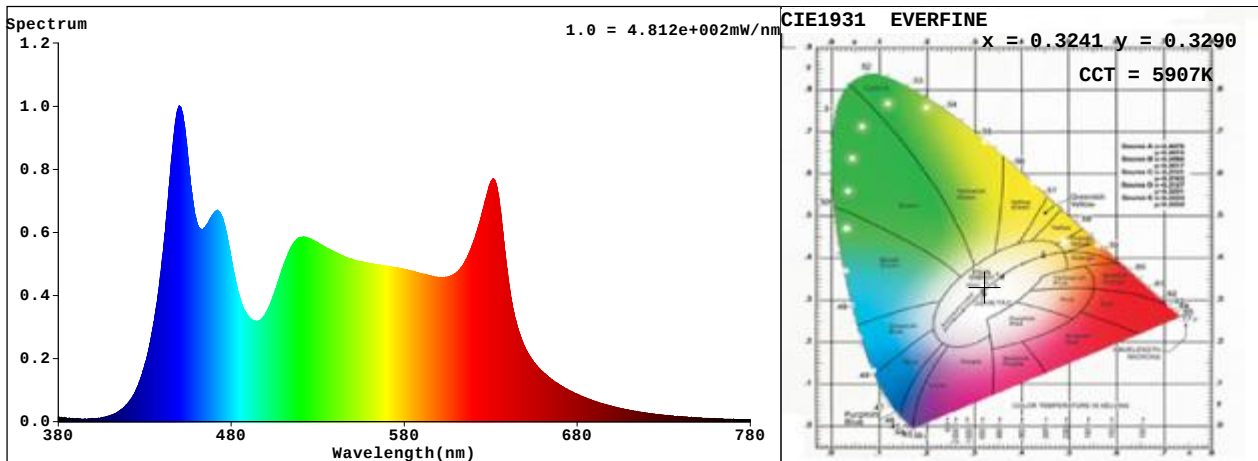
Date : 2020-03-14 15:36:46
Sam. Status : 5600K
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 52392 (80%)
T : 74 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3241$ $y = 0.3290$ / $u' = 0.2057$ $v' = 0.4700$ ($duv = -2.39e-03$)

CCT= 5907K Prcp WL: $L_d = 485.5nm$ Purity=3.5%

Peak WL: $L_p = 450nm$ FWHM: $=40.7nm$ Ratio: R=17.3% G=76.5% B=6.2%

Render Index: $R_a = 96.3$ CRI = 94.5 AvgR = 94.5

R1 =95 R2 =98 R3 =94 R4 =97 R5 =96 R6 =94 R7 =99

R8 =97 R9 =92 R10=97 R11=95 R12=79 R13=96 R14=95 R15=94

LEVEL:OUT WHITE:ANSI_5700K

Photometric & Radiometric Parameters

Flux = 17666 lm Eff. : 66.18 lm/W $F_e = 59.834 W$

Electrical parameters

V = 219.9 V I = 1.310 A P = 267.0 W PF = 0.9266 F=50.01 Hz

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Spectrum Test Report



Sample :
Specification : Soft Panel 300 TW
Sample No. : 14:47:19
Manufacturer :

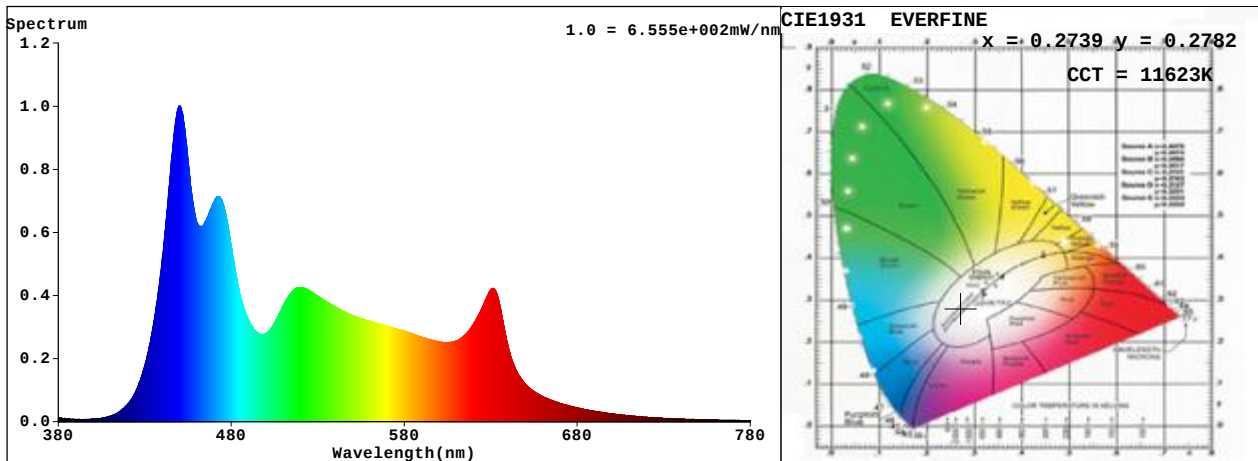
Date : 2020-03-14 15:37:02
Sam. Status : 10000K
Instrument : HaasSuite(EVERFINE)
Test by : Louis
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50165 (77%)
T : 74 ms
Sensitivity : Low

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2739$ $y = 0.2782$ / $u' = 0.1892$ $v' = 0.4324$ ($duv = -1.08e-03$)

CCT= 11623K Prcp WL: $L_d = 478.3nm$ Purity=25.2%

Peak WL: $L_p = 450nm$ FWHM: $=41.9nm$ Ratio: R=14.3% G=76.3% B=9.5%

Render Index: $R_a = 93.4$ CRI = 91.0 AvgR = 90.8

R1 =92 R2 =95 R3 =98 R4 =92 R5 =93 R6 =93 R7 =94

R8 =92 R9 =74 R10=94 R11=97 R12=72 R13=92 R14=98 R15=88

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 15830 lm Eff. : 59.35 lm/W Fe = 60.523 W

Electrical parameters

V = 219.9 V I = 1.309 A P = 266.7 W PF = 0.9264 F=50.01 Hz

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