

Spectrum Test Report



Product : RGBCW-112D
Sample No. : W
Manufacturer :

Date : 2024-03-30
Instrument : HAAS-2000(EVERFINE)
Operator :

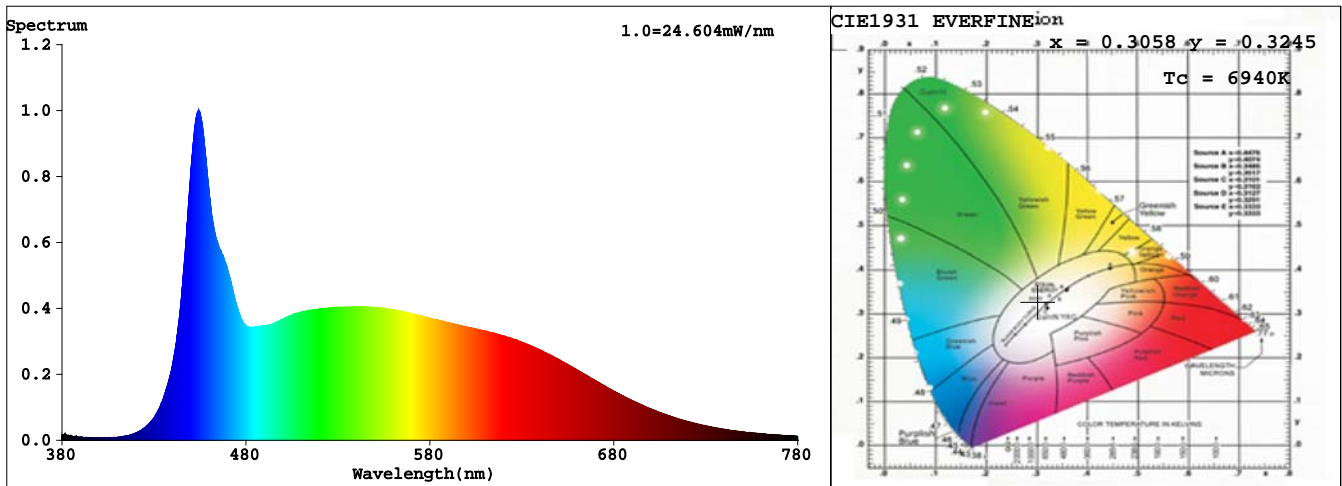
Test Condition

Temperature : 25.3Deg
Scan Range : 380nm-780nm

RH : 65.0%
IP : 53593 (82%)
T : 99 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



Spectral Distribution

CIE1931 Chromaticity Diagram

CIE Color Parameters:

Chromaticity Coordinate: $x=0.3058$ $y=0.3245$ $u'=0.1947$ $v'=0.4649$ ($duv=4.47e-03$)

CCT: $T_c=6940K$ Prcp WaveL: $\lambda_p=487.5nm$ Purity=10.0%

Peak WaveL: $\lambda_p=454nm$ Half Width: $\Delta\lambda_p=25.0nm$ Ratio: R=15.5% G=77.6% B=6.9%

Render Index: $R_a=92.2$

R1 =93 R2 =99 R3 =97 R4 =87 R5 =91 R6 =94 R7 =91
R8 =86 R9 =69 R10=96 R11=90 R12=65 R13=96 R14=99 R15=90

LEVEL: WHITE:ANSI_6500K

Photo Parameters:

Flux = 673.1 lm Eff. : 110.33 lm/W Fe = 2.419 W

Electrical parameters:

V = 24.00 V I = 0.2542 A P = 6.101 W PF = 1.000

Spectrum Test Report

Product : RGBCW-112D
Sample No. : WW
Manufacturer :

Date : 2024-03-30
Instrument : HAAS-2000(EVERFINE)
Operator :

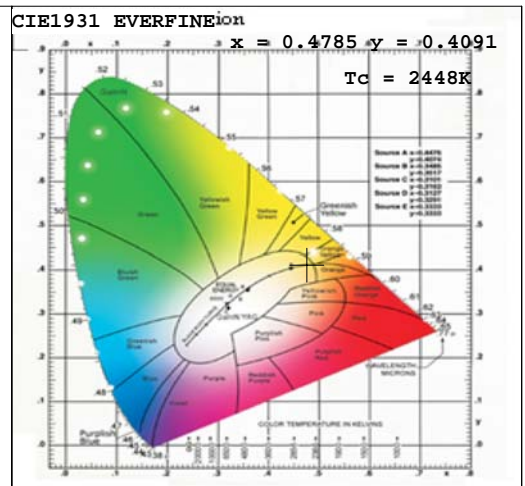
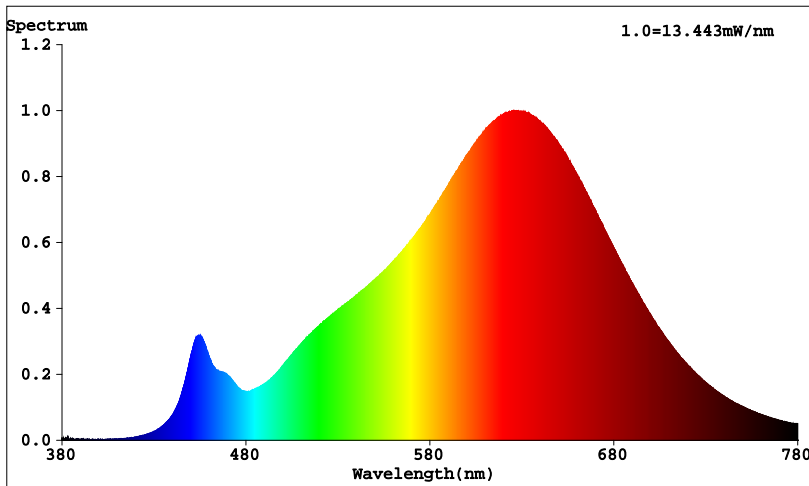
Test Condition

Temperature : 25.3Deg
Scan Range : 380nm-780nm

RH : 65.0%
IP : 53418 (82%)
T : 79 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



Spectral Distribution

CIE1931 Chromaticity Diagram

CIE Color Parameters:

Chromaticity Coordinate: $x=0.4785$ $y=0.4091$ $u'=0.2753$ $v'=0.5296$ ($duv=-1.66e-03$)

CCT: $T_c= 2448K$ Prcp WaveL: $\lambda_p=586.1nm$ Purity=66.4%

Peak WaveL: $\lambda_p=626nm$ Half Width: $\Delta\lambda_p=135.2nm$ Ratio:R=30.6% G=67.5% B=1.9%

Render Index:Ra=92.5

R1 =93 R2 =98 R3 =98 R4 =92 R5 =93 R6 =97 R7 =90
R8 =80 R9 =59 R10=93 R11=93 R12=86 R13=95 R14=99 R15=89

LEVEL: WHITE:OUT

Photo Parameters:

Flux = 561.9 lm Eff. : 92.11 lm/W Fe = 2.102 W

Electrical parameters:

V = 24.00 V I = 0.2542 A P = 6.101 W PF = 1.000

Spectrum Test Report

Product : RGBCW-112D
Sample No. : R
Manufacturer :

Date : 2024-03-30
Instrument : HAAS-2000(EVERFINE)
Operator :

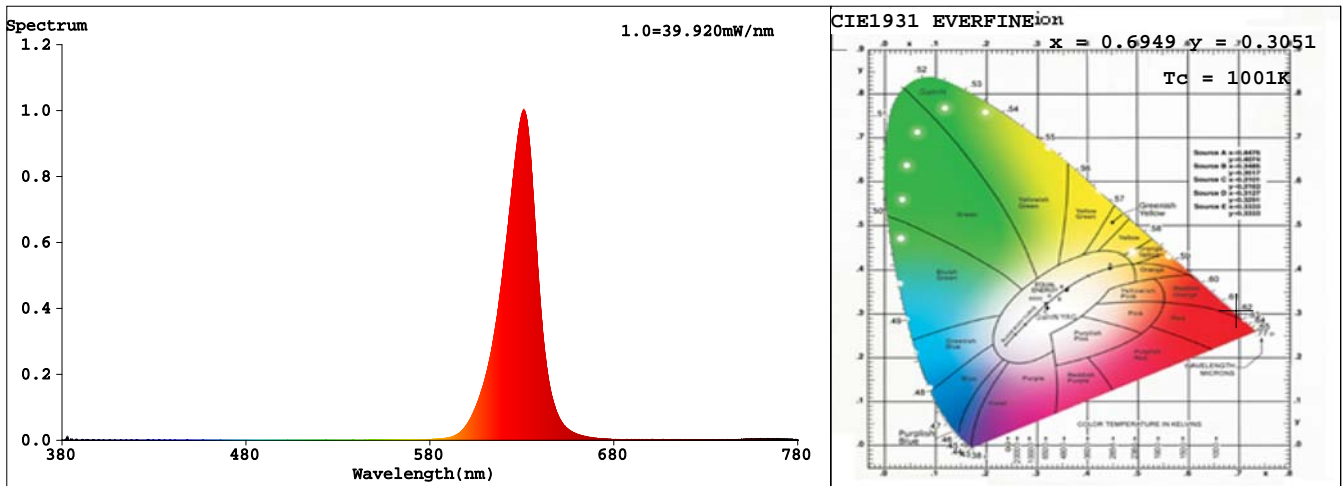
Test Condition

Temperature : 25.3Deg
Scan Range : 380nm-780nm

RH : 65.0%
IP : 49980 (76%)
T : 25 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



Spectral Distribution

CIE1931 Chromaticity Diagram

CIE Color Parameters:

Chromaticity Coordinate: $x=0.6949$ $y=0.3051$ $u'=0.5271$ $v'=0.5210$ ($duv=-7.95e-02$)

CCT: $T_c=1001K$ Prcp WaveL: $\lambda_p=621.5nm$ Purity=100.0%

Peak WaveL: $\lambda_p=631nm$ Half Width: $\Delta\lambda_p=19.5nm$ Ratio: R=97.8% G=2.2% B=-0.0%

Render Index: $R_a=25.5$

R1 =5 R2 =78 R3 =29 R4 =0 R5 =0 R6 =89 R7 =3
R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=29 R14=59 R15=0

LEVEL: WHITE:OUT

Photo Parameters:

Flux = 184.2 lm Eff. : 30.94 lm/W Fe = 916.6 mW

Electrical parameters:

V = 24.00 V I = 0.2481 A P = 5.954 W PF = 1.000

Spectrum Test Report

Product : RGBCW-112D
Sample No. : G
Manufacturer :

Date : 2024-03-30
Instrument : HAAS-2000(EVERFINE)
Operator :

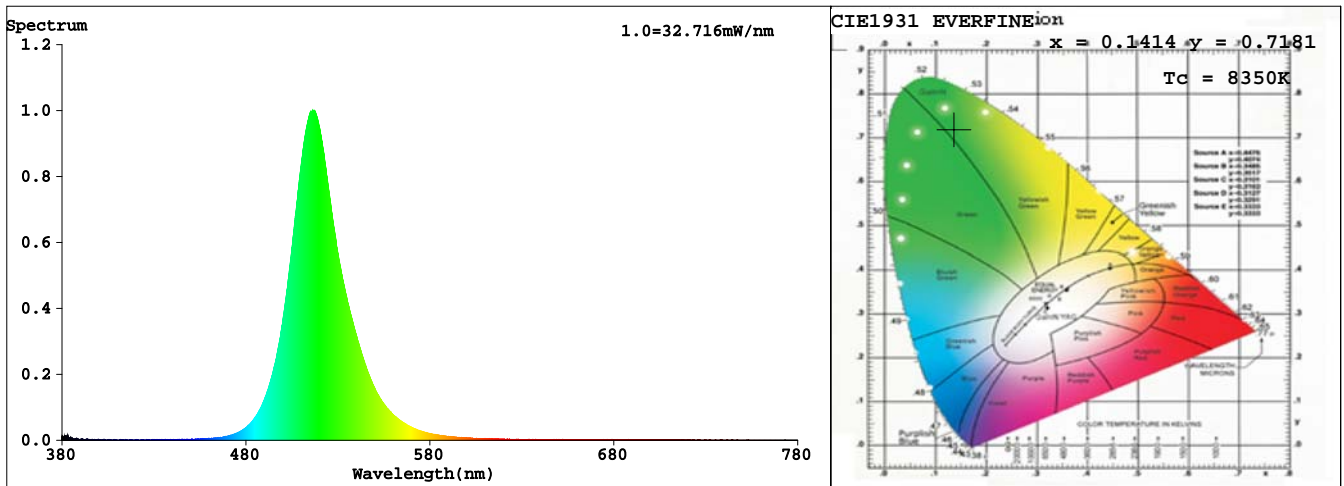
Test Condition

Temperature : 25.3Deg
Scan Range : 380nm-780nm

RH : 65.0%
IP : 52989 (81%)
T : 41 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



Spectral Distribution

CIE1931 Chromaticity Diagram

CIE Color Parameters:

Chromaticity Coordinate: $x=0.1414$ $y=0.7181$ $u'=0.0499$ $v'=0.5702$ ($duv=1.65e-01$)

CCT: $T_c=8350K$ Prcp WaveL: $\lambda_p=521.2nm$ Purity=76.9%

Peak WaveL: $\lambda_p=517nm$ Half Width: $\Delta\lambda_p=29.0nm$ Ratio: R=0.3% G=97.5% B=2.2%

Render Index: $R_a=0.0$

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=38 R15=0

LEVEL: WHITE:OUT

Photo Parameters:

Flux = 521.9 lm Eff. : 82.04 lm/W $F_e = 1.159 W$

Electrical parameters:

$V = 24.00 V$ $I = 0.2651 A$ $P = 6.362 W$ PF = 1.000

Spectrum Test Report

Product : RGBCW-112D
Sample No. : B
Manufacturer :

Date : 2024-03-30
Instrument : HAAS-2000(EVERFINE)
Operator :

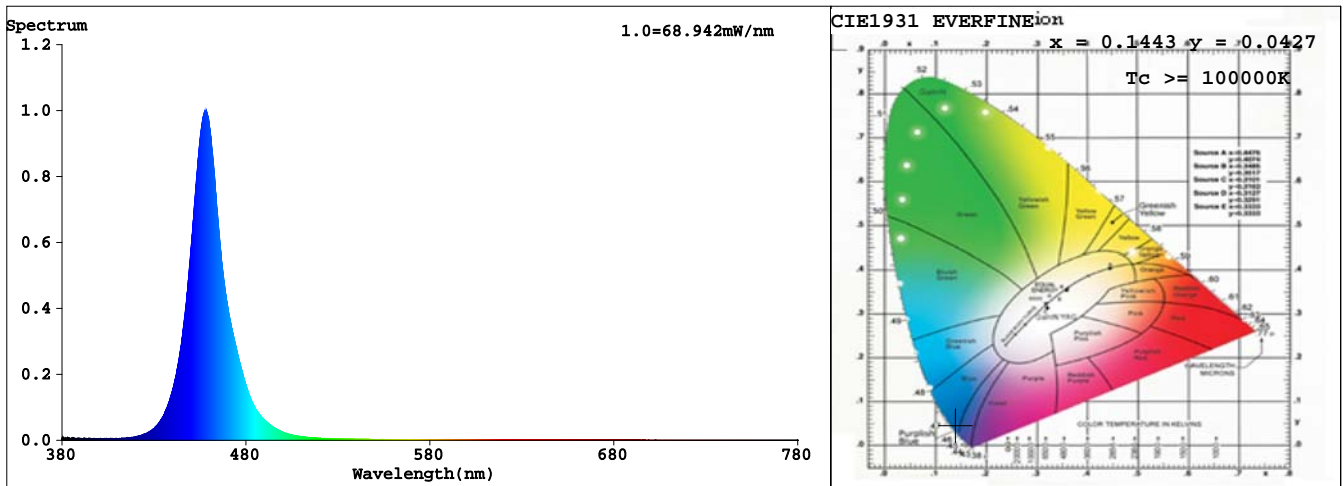
Test Condition

Temperature : 25.3Deg
Scan Range : 380nm-780nm

RH : 65.0%
IP : 50189 (77%)
T : 32 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



Spectral Distribution

CIE1931 Chromaticity Diagram

CIE Color Parameters:

Chromaticity Coordinate: $x=0.1443$ $y=0.0427$ $u'=0.1790$ $v'=0.1193$ ($duv=1.86e-01$)

CCT: $T_c \geq 100000K$ Prcp Wavel: $\lambda_d=462.9nm$ Purity=97.4%

Peak Wavel: $\lambda_p=458nm$ Half Width: $\Delta\lambda_p=18.9nm$ Ratio: R=0.9% G=15.8% B=83.3%

Render Index: $R_a=1.0$

R1 =0 R2 =0 R3 =0 R4 =0 R5 =8 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=6

LEVEL: WHITE:OUT

Photo Parameters:

Flux = 89.33 lm Eff. : 16.32 lm/W Fe = 1.683 W

Electrical parameters:

V = 24.00 V I = 0.2281 A P = 5.474 W PF = 1.000