

Spectrum Test Report

Product : 48V-RGBCW-112D
Sample No. : C
Manufacturer :

Date : 2025-07-14
Instrument : HAAS-2000(EVERFINE)
Operator :

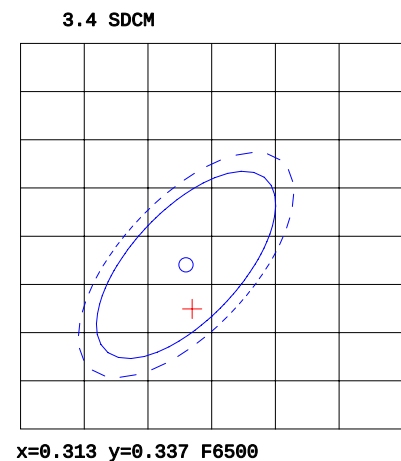
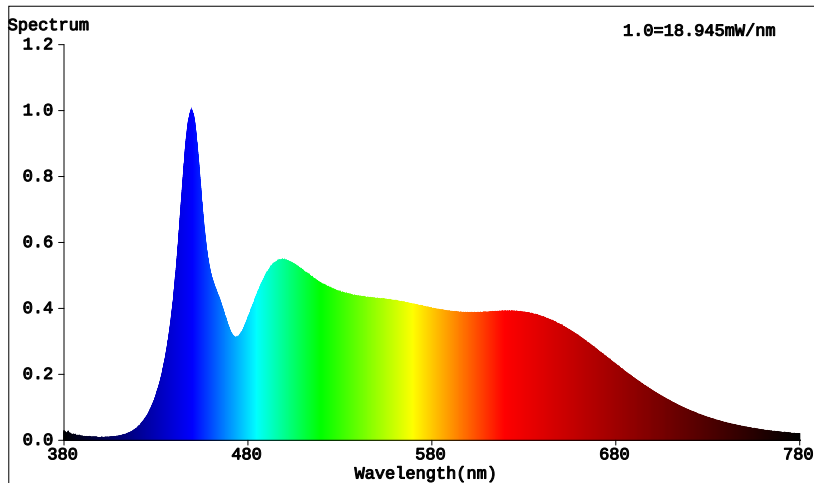
Test Condition

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

RH : 65.0%
IP : 53745 (82%)
T : 140 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



Spectral Distribution

CIE1931 Chromaticity Diagram

CIE Color Parameters:

Chromaticity Coordinate: $x=0.3135$ $y=0.3324$ $u'=0.1971$ $v'=0.4703$ ($duv=4.56e-03$)

CCT: $T_c=6439K$ Prcp WaveL: $\lambda_p=491.1nm$ Purity=6.8%

Peak WaveL: $\lambda_p=449nm$ Half Width: $\Delta\lambda_p=19.4nm$ Ratio: R=16.8% G=76.5% B=6.7%

Render Index: $R_a=98.4$

R1 =99 R2 =99 R3 =98 R4 =99 R5 =99 R6 =98 R7 =98
R8 =98 R9 =99 R10=96 R11=95 R12=84 R13=98 R14=98 R15=97
LEVEL: WHITE:ANSI_6500K

Photo Parameters:

Flux = 589.4 lm Eff. : 91.25 lm/W $F_e = 2.217 W$

Electrical parameters:

V = 48.00 V I = 0.1352A P = 6.5W PF = 1.000

Spectrum Test Report

Product : 48V-RGBCW-112D
Sample No. : W
Manufacturer :

Date : 2025-07-14
Instrument : HAAS-2000(EVERFINE)
Operator :

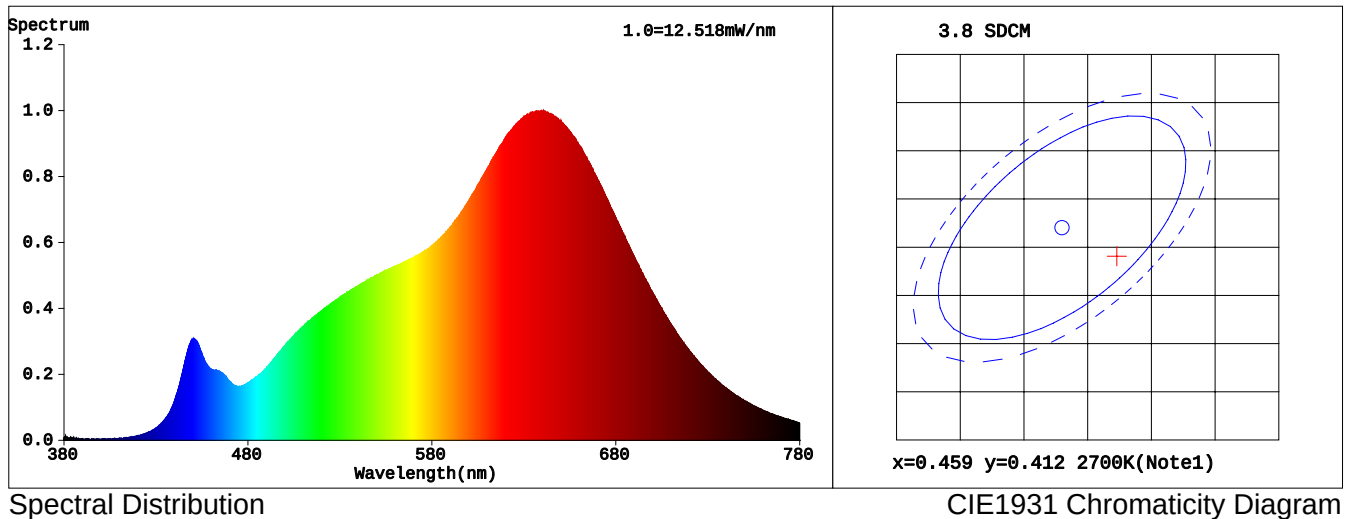
Test Condition

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

RH : 65.0%
IP : 53272 (81%)
T : 91 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



CIE Color Parameters:

Chromaticity Coordinate: x=0.4633 y=0.4091/u'=0.2654 v'=0.5273(duv=-8.37e-04)

CCT:Tc= 2641K Prcp WaveL: λ_p =584.8nm Purity=61.9%

Peak WaveL: λ_p =641nm Half Width: $\Delta\lambda_p$ =145.7nm Ratio:R=29.6% G=68.2% B=2.3%

Render Index:Ra=97.4

R1 =97 R2 =99 R3 =96 R4 =96 R5 =97 R6 =96 R7 =99
R8 =99 R9 =99 R10=99 R11=92 R12=92 R13=97 R14=97 R15=98
LEVEL: WHITE:ANSI_2700K

Photo Parameters:

Flux = 503.1 lm Eff. : 89.12lm/W Fe = 2.013 W

Electrical parameters:

V = 48.00 V I = 0.1350A P = 6.5 W PF = 1.000

Spectrum Test Report

Product : 48V-RGBCW-112D
Sample No. : R
Manufacturer :

Date : 2025-07-14
Instrument : HAAS-2000(EVERFINE)
Operator :

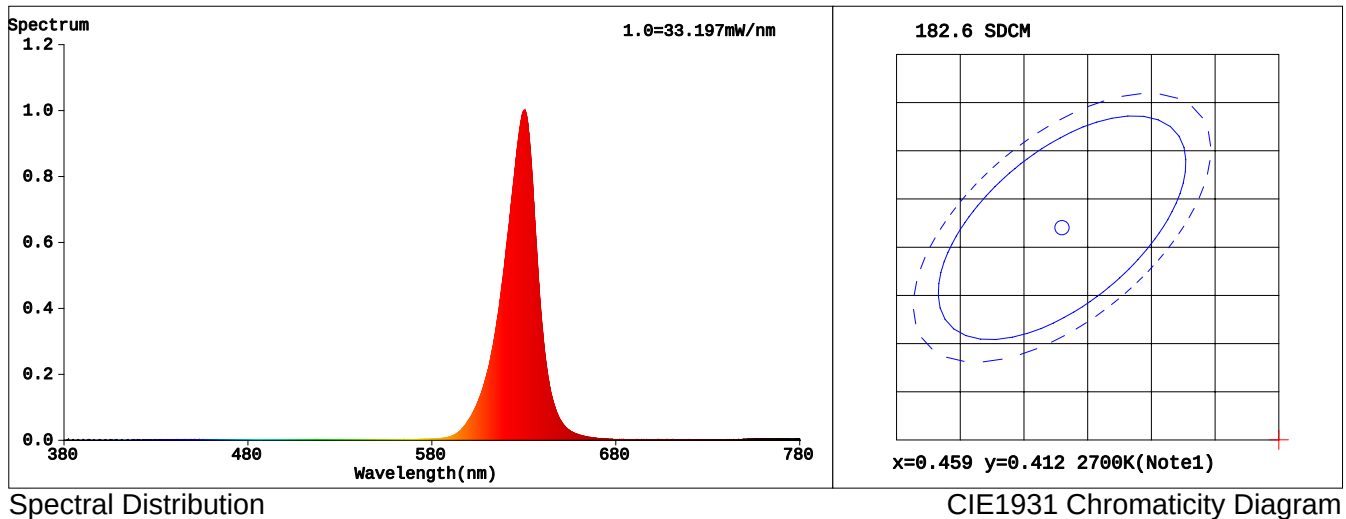
Test Condition

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

RH : 65.0%
IP : 58252 (89%)
T : 37 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



CIE Color Parameters:

Chromaticity Coordinate: $x=0.6880$ $y=0.3077$ $u'=0.5176$ $v'=0.5209$ ($duv=-7.01e-02$)

CCT: $T_c=1001K$ P_{rcp} WaveL: $\lambda_p=620.5nm$ Purity=98.8%

Peak WaveL: $\lambda_p=630nm$ Half Width: $\Delta\lambda_p=19.1nm$ Ratio: R=96.0% G=3.9% B=0.1%

Render Index: $R_a=32.0$

R1 =18 R2 =83 R3 =37 R4 =0 R5 =16 R6 =93 R7 =10
R8 =0 R9 =0 R10=79 R11=8 R12=72 R13=40 R14=64 R15=0
LEVEL: WHITE:OUT

Photo Parameters:

Flux = 158.9 lm Eff. : 26.32 lm/W $F_e = 759.4 mW$

Electrical parameters:

V = 48.00 V I = 0.125A P = 6W PF = 1.000

Spectrum Test Report

Product : 48V-RGBCW-112D
Sample No. : G
Manufacturer :

Date : 2025-07-14
Instrument : HAAS-2000(EVERFINE)
Operator :

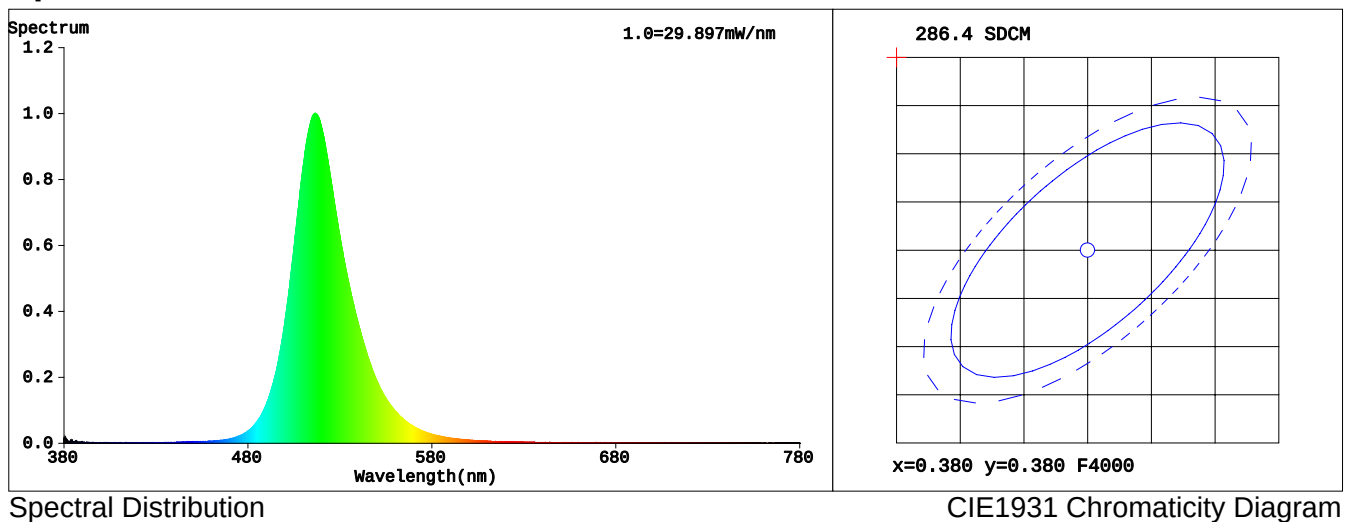
Test Condition

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

RH : 65.0%
IP : 53101 (81%)
T : 47 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



CIE Color Parameters:

Chromaticity Coordinate: $x=0.1528$ $y=0.7140$ $u'=0.0543$ $v'=0.5706$ ($duv=1.61e-01$)

CCT: $T_c = 8174K$ Prcp WaveL: $\lambda_p = 522.9nm$ Purity=76.4%

Peak WaveL: $\lambda_p = 517nm$ Half Width: $\Delta\lambda_p = 31.3nm$ Ratio: R=0.4% G=97.6% B=2.0%

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=40 R15=0
LEVEL: WHITE:OUT

Photo Parameters:

Flux = 515.3 lm Eff. : 89.32 lm/W $F_e = 1.125 W$

Electrical parameters:

V = 48.00 V I = 0.124A P = 6W PF = 1.000

Spectrum Test Report

Product : 48V-RGBCW-112D
Sample No. : B
Manufacturer :

Date : 2025-07-14
Instrument : HAAS-2000(EVERFINE)
Operator :

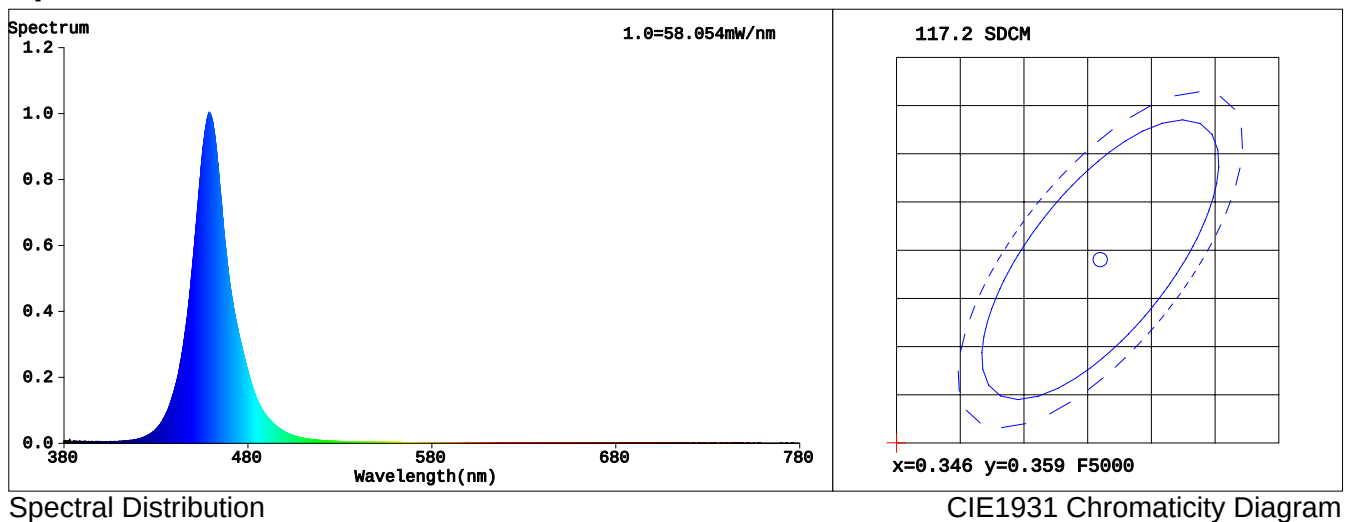
Test Condition

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

RH : 65.0%
IP : 48047 (73%)
T : 37 ms
Delicacy : High

Test Type : Fast Test

Spectroradiometric Parameters



CIE Color Parameters:

Chromaticity Coordinate: $x=0.1433$ $y=0.0477$ $u'=0.1745$ $v'=0.1307$ ($duv=1.79e-01$)

CCT: $T_c \geq 100000K$ Prcp WaveL: $\lambda_d=464.2nm$ Purity=96.7%

Peak WaveL: $\lambda_p=459nm$ Half Width: $\Delta\lambda_p=20.7nm$ Ratio: R=1.2% G=19.0% B=79.8%

Render Index: $R_a=1.5$

R1 =0 R2 =0 R3 =0 R4 =0 R5 =12 R6 =0 R7 =0
R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=10
LEVEL: WHITE:OUT

Photo Parameters:

Flux = 89.22 lm Eff. : 14.83 lm/W $F_e = 1.542 W$

Electrical parameters:

V = 48.00 V I = 0.124A P = 6W PF = 1.000