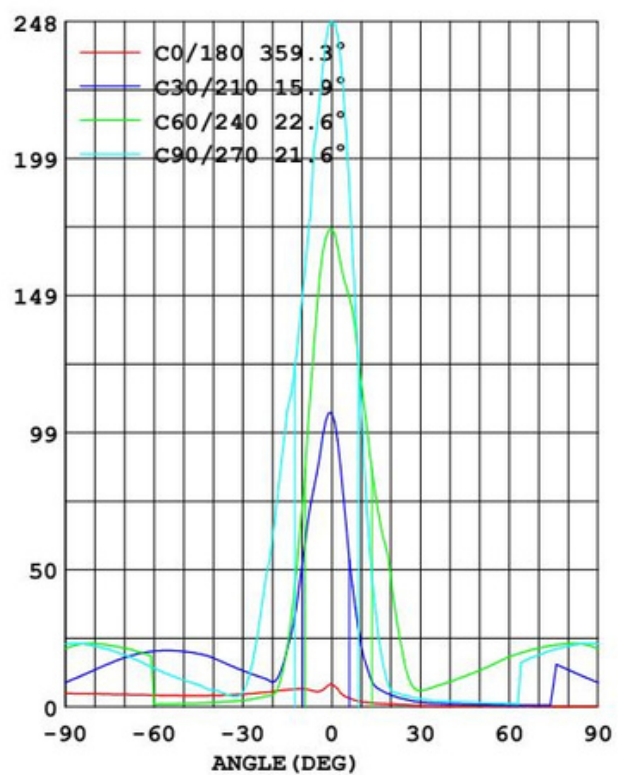
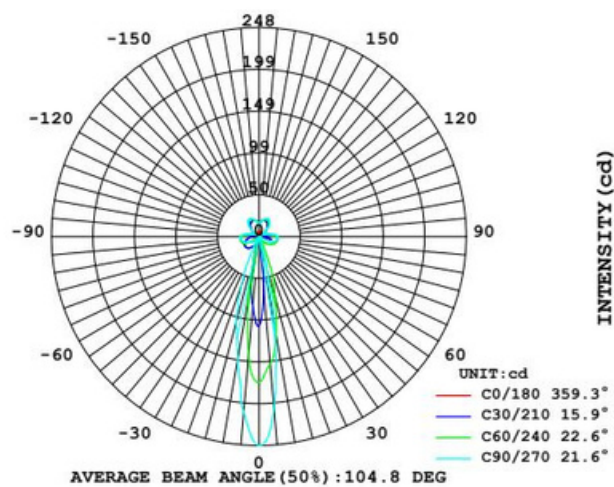




Spectral Test Report for Lamp

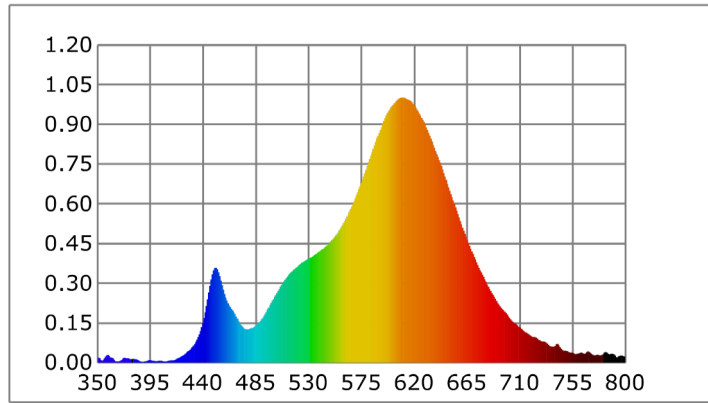
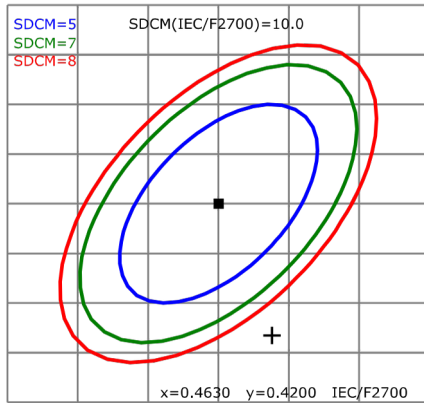
Product Type: JXL-BD24-T24W-RGBCW-BT
Product No.:
Manufactory:

Operator:
Test Equipment: SPEC-2000A Spectrometer
Test Time: 2025/5/26 23:33:25

CIE Color Parameter

Chromaticity Coordinates: $x=0.4679$ $y=0.4049$ $u=0.2704$ $v=0.3509$ $u^*=0.2704$ $v^*=0.5264$
Color Temperature: 2547 K ($duv=-0.00265$) Color Difference: $SDCM(IEC/F2700)=10.0$ Main Wl: $\lambda_d=490.8$ nm Purity: 0.049
Peak Wavelength: $\lambda_p=608.9$ FWHM: $\Delta\lambda_p=105.7$ nm Color Ratio: $R=29.00\%$ $G=69.16\%$ $B=1.85\%$

Color Rendering Index: $R_a=84.13$ Color Fidelity: $R_f=84.01$ Color Gamut: $R_g=98.53$ GAI:106.51
 $R1=84.0$ $R2=94.1$ $R3=93.5$ $R4=83.1$ $R5=85.0$ $R6=94.8$ $R7=80.4$ $R8=58.1$
 $R9=13.1$ $R10=87.6$ $R11=85.2$ $R12=85.2$ $R13=87.6$ $R14=97.3$ $R15=75.4$



Optical Parameter

Luminous Flux: 657.11 lm luminous efficiency: 27.38 lm/w Radiant flux: 2118.312 mW
Total Efficiency: 27.380 lm/W Energy Efficiency Class: G (EU 2019/2015)

Radiant flux: $R=334.504$ mW $G=188.95$ mW $B=116.758$ mW $R/G=1.77$ $B/G=0.618$ $\Phi_e/\Phi=3.22$ mw/lm

Electrical Parameter

Voltage(V): 24.00 Current(A): 1.0000 Power(W): 24.000 Power Factor: 0.0000 DF: 0.0000

Temperature: 25.0 °C
Test Range: 350-800nm : 1nm
Preheat Time: 0(min)

Humidity: 65%
Peak AD: 46040 (70.3%)
Integral Time: 151.07 (ms)

Spectral Test Report for Lamp

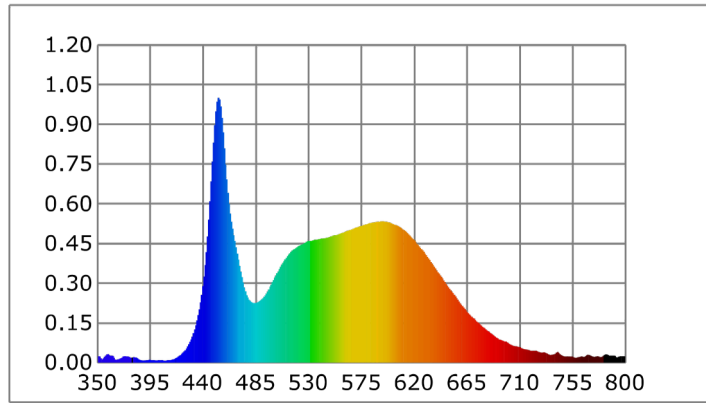
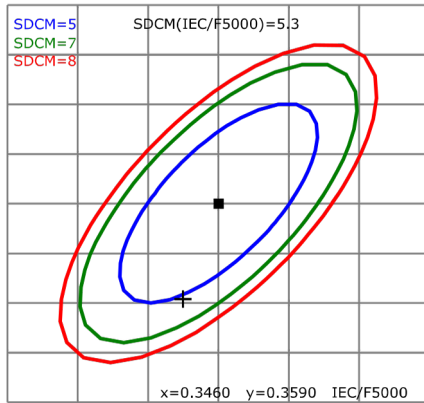
Product Type: JXL-BD24-T24W-RGBCW-BT
Product No.:
Manufactory:

Operator:
Test Equipment: SPEC-2000A Spectrometer
Test Time: 2025/5/26 23:30:04

CIE Color Parameter

Chromaticity Coordinates: $x=0.3427$ $y=0.3451$ $u=0.2123$ $v=0.3207$ $u^*=0.2123$ $v^*=0.4811$
Color Temperature: 5074 K ($duv=-0.00234$) Color Difference: $SDCM(IEC/F5000)=5.3$ Main Wl: $\lambda_d=482.2$ nm Purity: 0.276
Peak Wavelength: $\lambda_p=452.2$ FWHM: $\Delta\lambda_p=20.6$ nm Color Ratio: $R=17.90\%$ $G=77.63\%$ $B=4.47\%$

Color Rendering Index: $R_a=87.14$ Color Fidelity: $R_f=85.01$ Color Gamut: $R_g=98.61$ GAI:101.51
 $R_1=87.6$ $R_2=92.4$ $R_3=93.6$ $R_4=87.2$ $R_5=87.8$ $R_6=87.5$ $R_7=87.6$ $R_8=73.4$
 $R_9=28.8$ $R_{10}=80.7$ $R_{11}=87.3$ $R_{12}=68.0$ $R_{13}=89.5$ $R_{14}=96.8$ $R_{15}=84.2$



Optical Parameter

Luminous Flux: 740.2 lm luminous efficiency: 30.84 lm/w Radiant flux: 2424.95 mW
Total Efficiency: 30.842 lm/W Energy Efficiency Class: G (EU 2019/2015)

Radiant flux: $R=207.686$ mW $G=309.14$ mW $B=423.723$ mW $R/G=0.672$ $B/G=1.371$ $\Phi_e/\Phi=3.28$ mw/lm

Electrical Parameter

Voltage(V): 24.00 Current(A): 1.0000 Power(W): 24.000 Power Factor: 0.0000 DF: 0.0000

Temperature: 25.0 °C
Test Range: 350-800nm : 1nm
Preheat Time: 0(min)

Humidity: 65%
Peak AD: 46053 (70.3%)
Integral Time: 103.02 (ms)

Spectral Test Report for Lamp

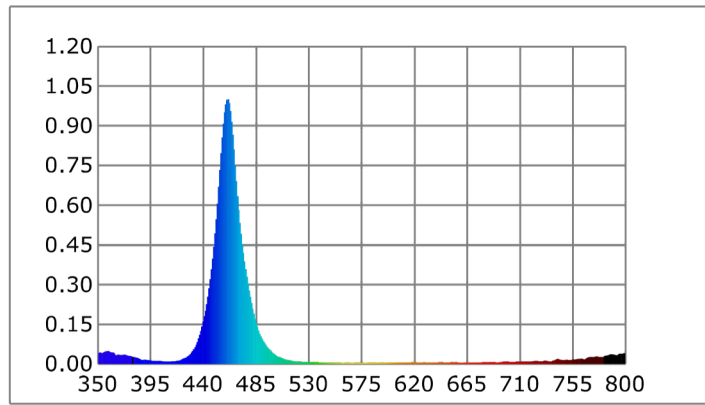
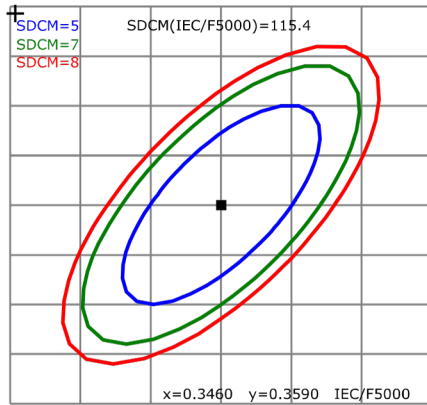
Product Type: JXL-BD24-T24W-RGBCW-BT
Product No.:
Manufactory:

Operator:
Test Equipment: SPEC-2000A Spectrometer
Test Time: 2025/5/26 23:39:13

CIE Color Parameter

Chromaticity Coordinates: $x=0.1473$ $y=0.0512$ $u=0.1775$ $v=0.0925$ $u^*=0.1775$ $v^*=0.1388$
Color Temperature: 100000 K ($duv=-0.17978$) Color Difference: $SDCM(IEC/F5000)=115.4$ Main Wl: $\lambda_d=472.1$ nm Purity: 0.986
Peak Wavelength: $\lambda_p=459.6$ FWHM: $\Delta\lambda_p=21.9$ nm Color Ratio: $R=4.39\%$ $G=21.31\%$ $B=74.30\%$

Color Rendering Index: $R_a=-36.83$ Color Fidelity: $R_f=NaN$ Color Gamut: $R_g=NaN$ $GAI=10.4$
 $R1=33.9$ $R2=-33.5$ $R3=-151.0$ $R4=-74.4$ $R5=39.5$ $R6=-35.6$ $R7=-47.9$ $R8=-25.6$
 $R9=-94.1$ $R10=-223.8$ $R11=-94.7$ $R12=-80.8$ $R13=4.5$ $R14=-32.4$ $R15=37.4$



Optical Parameter

Luminous Flux: 74.95 lm luminous efficiency: 5.35 lm/w Radiant flux: 1370.753 mW
Total Efficiency: 5.354 lm/W Energy Efficiency Class: G (EU 2019/2015)

Radiant flux: $R=7.678$ mW $G=9.632$ mW $B=754.326$ mW $R/G=0.797$ $B/G=78.313$ $\Phi_e/\Phi=18.29$ mw/lm

Electrical Parameter

Voltage(V): 24.00 Current(A): 0.5800 Power(W): 14.000 Power Factor: 0.0000 DF: 0.0000

Temperature: 25.0 °C
Test Range: 350-800nm : 1nm
Preheat Time: 0(min)

Humidity: 65%
Peak AD: 32153 (49.1%)
Integral Time: 31.03 (ms)

Spectral Test Report for Lamp

Product Type: JXL-BD24-T24W-RGBCW-BT
Product No.:
Manufactory:

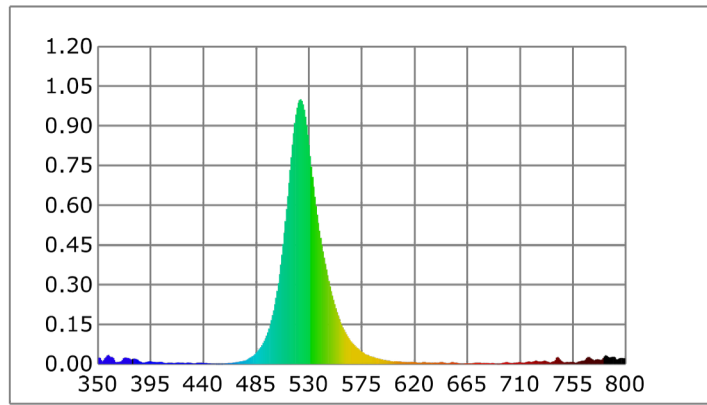
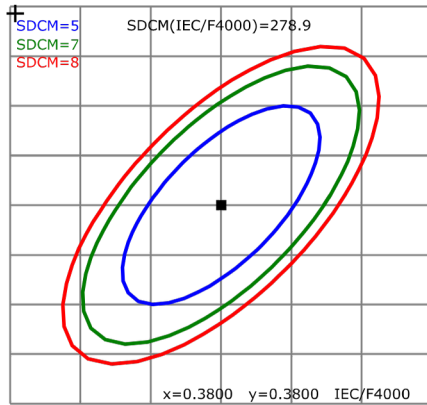
Operator:
Test Equipment: SPEC-2000A Spectrometer
Test Time: 2025/5/26 23:36:13

CIE Color Parameter

Chromaticity Coordinates: $x=0.1752$ $y=0.7246$ $u=0.0618$ $v=0.3832$ $u^*=0.0618$ $v^*=0.5748$
Color Temperature: 7738 K ($duv=+0.15597$) Color Difference: $SDCM(IEC/F4000)=278.9$ Main Wl: $\lambda_d=505.0$ nm Purity: 0.823
Peak Wavelength: $\lambda_p=521.8$ FWHM: $\Delta\lambda_p=29.9$ nm Color Ratio: $R=0.53\%$ $G=98.20\%$ $B=1.26\%$

Color Rendering Index: $R_a=-21.08$ Color Fidelity: $R_f=2.4$ Color Gamut: $R_g=9.22$ $GAI=0.79$

$R_1=-33.4$ $R_2=-6.5$ $R_3=-17.6$ $R_4=-59.3$ $R_5=-8.3$ $R_6=-14.2$ $R_7=-1.0$ $R_8=-28.3$
 $R_9=-348.0$ $R_{10}=-102.8$ $R_{11}=-89.1$ $R_{12}=-31.7$ $R_{13}=-36.1$ $R_{14}=41.5$ $R_{15}=-31.1$



Optical Parameter

Luminous Flux: 286.48 lm luminous efficiency: 17.91 lm/w Radiant flux: 614.225 mW
Total Efficiency: 17.905 lm/W Energy Efficiency Class: G (EU 2019/2015)

Radiant flux: $R=2.141$ mW $G=353.751$ mW $B=1.173$ mW $R/G=0.006$ $B/G=0.003$ $\Phi_e/\Phi=2.14$ mw/lm

Electrical Parameter

Voltage(V): 24.00 Current(A): 0.7000 Power(W): 16.000 Power Factor: 0.0000 DF: 0.0000

Temperature: 25.0 °C
Test Range: 350-800nm : 1nm
Preheat Time: 0(min)

Humidity: 65%
Peak AD: 46239 (70.6%)
Integral Time: 107.06 (ms)

Spectral Test Report for Lamp

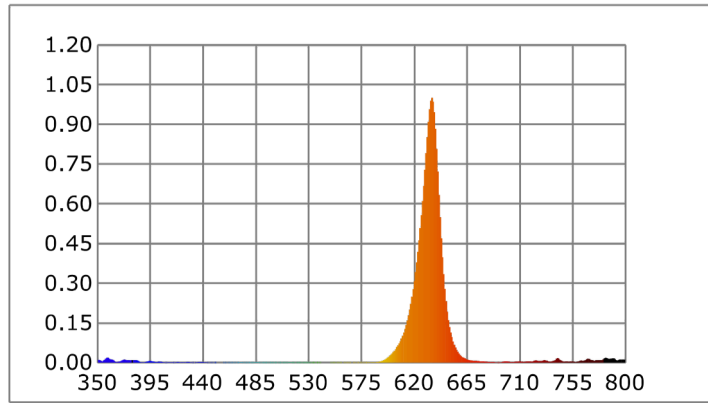
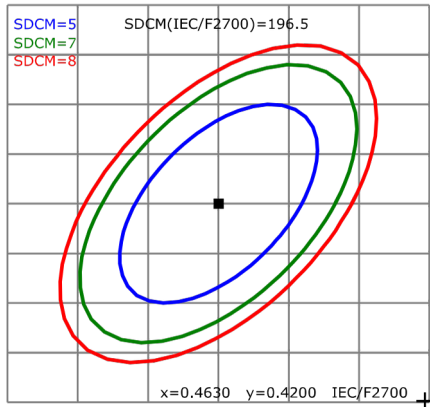
Product Type: JXL-BD24-T24W-RGBCW-BT
Product No.:
Manufactory:

Operator:
Test Equipment: SPEC-2000A Spectrometer
Test Time: 2025/5/26 23:35:04

CIE Color Parameter

Chromaticity Coordinates: $x=0.6972$ $y=0.2990$ $u=0.5370$ $v=0.3454$ $u^*=0.5370$ $v^*=0.5181$
Color Temperature: 1000 K ($duv=-0.08929$) Color Difference: $SDCM(IEC/F2700)=196.5$ Main Wl: $\lambda_d=494.9$ nm Purity: 0.634
Peak Wavelength: $\lambda_p=633.9$ FWHM: $\Delta\lambda_p=18.2$ nm Color Ratio: $R=98.42\%$ $G=1.54\%$ $B=0.05\%$

Color Rendering Index: $R_a=11.94$ Color Fidelity: $R_f=20.17$ Color Gamut: $R_g=NaN$ GAI: 23.99
 $R_1=4.2$ $R_2=79.2$ $R_3=25.8$ $R_4=-30.5$ $R_5=-0.2$ $R_6=91.6$ $R_7=1.3$ $R_8=-75.8$
 $R_9=-234.3$ $R_{10}=75.1$ $R_{11}=-14.6$ $R_{12}=78.1$ $R_{13}=39.2$ $R_{14}=56.2$ $R_{15}=-39.4$



Optical Parameter

Luminous Flux: 86.47 lm luminous efficiency: 7.21 lm/w Radiant flux: 504.503 mW
Total Efficiency: 7.206 lm/W Energy Efficiency Class: G (EU 2019/2015)

Radiant flux: $R=289.751$ mW $G=0.077$ mW $B=0.338$ mW $R/G=3744.30$ $B/G=4.367$ $\Phi_e/\Phi=5.83$ mw/lm

Electrical Parameter

Voltage(V): 24.00 Current(A): 0.5000 Power(W): 12.000 Power Factor: 0.0000 DF: 0.0000

Temperature: 25.0 °C
Test Range: 350-800nm : 1nm
Preheat Time: 0(min)

Humidity: 65%
Peak AD: 45646 (69.7%)
Integral Time: 131.07 (ms)