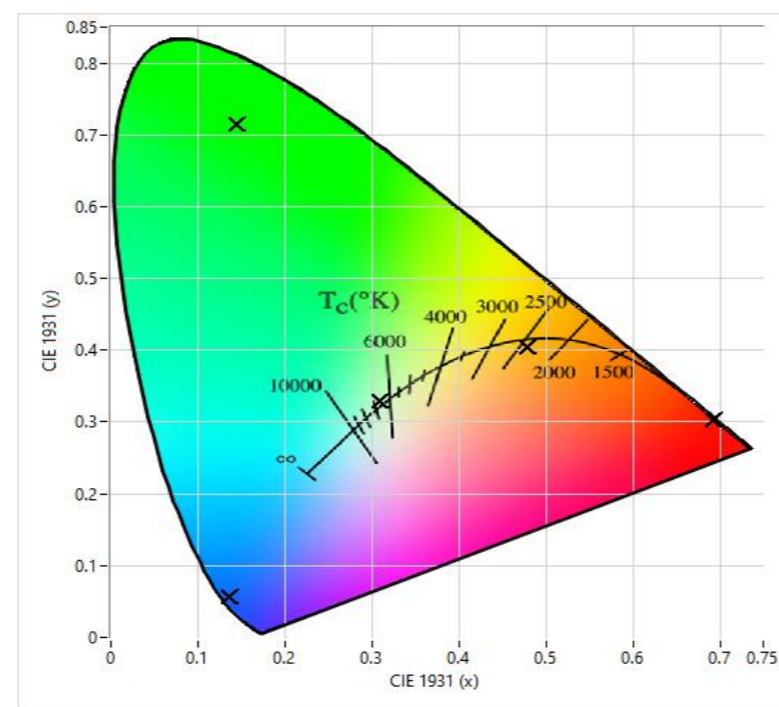


Integrating Sphere Test Report

5-in-1 LED Light Sheet - RGBTW - 12 x 6 LEDs
RGBTW-5050-LS-12x6



RGBTW-5050-LS-12x6



Photometric Test Results

Red Total Radiant Flux* (W): 0.090769757
 Red Total Luminous Flux* (lm): 17.92817001
 Red CIE 1931 Tristimulus x: 0.69283951
 Red CIE 1931 Tristimulus y: 0.30362759
 Red CIE 1931 Tristimulus Y: 0.02626602
 Red CIE 1976 Chroma u': 0.52708939
 Red CIE 1976 Chroma v': 0.51972712

Green Total Radiant Flux* (W): 0.070335029
 Green Total Luminous Flux* (lm): 31.36599986
 Green CIE 1931 Tristimulus x: 0.14344569
 Green CIE 1931 Tristimulus y: 0.71442413
 Green CIE 1931 Tristimulus Y: 0.04591146
 Green CIE 1976 Chroma u': 0.05083933
 Green CIE 1976 Chroma v': 0.56970621

Blue Total Radiant Flux* (W): 0.114942442
 Blue Total Luminous Flux* (lm): 7.48434878
 Blue CIE 1931 Tristimulus x: 0.13544798
 Blue CIE 1931 Tristimulus y: 0.057107
 Blue CIE 1931 Tristimulus Y: 0.01097434
 Blue CIE 1976 Chroma u': 0.15867907
 Blue CIE 1976 Chroma v': 0.15052858

White 1 Total Radiant Flux* (W): 0.140606172
 White 1 Total Luminous Flux* (lm): 40.06830164
 White 1 CIE 1931 Tristimulus x: 0.47929832
 White 1 CIE 1931 Tristimulus y: 0.40464017
 White 1 CIE 1931 Tristimulus Y: 0.05866128
 White 1 CIE 1976 Chroma u': 0.27797151
 White 1 CIE 1976 Chroma v': 0.52801456

White 2 Total Radiant Flux* (W): 0.159769
 White 2 Total Luminous Flux* (lm): 48.33865586
 White 2 CIE 1931 Tristimulus x: 0.30907905
 White 2 CIE 1931 Tristimulus y: 0.32919517
 White 2 CIE 1931 Tristimulus Y: 0.07076567
 White 2 CIE 1976 Chroma u': 0.19524326
 White 2 CIE 1976 Chroma v': 0.46788858

*Total radiant flux is per test length, listed on page 2, not a characteristic of the entire reel.

Photometric Test Results cont. (White 1)

Color Temperature (White) (CCT K): 2406
Duv(White): -0.00323078
CQS(White): 78.17
CRI(White): 83.2045

R Values of White 1 Diodes

R1(White): 82.1211
R2(White): 91.5703
R3(White): 96.6315
R4(White): 79.0519
R5(White): 80.9309
R6(White): 88.9943
R7(White): 83.1129
R8(White): 63.2233
R9(White): 24.7451
R10(White): 79.7009
R11(White): 76.4304
R12(White): 72.3314
R13(White): 84.1414
R14(White): 98.3854

Photometric Test Results cont. (White 2)

Color Temperature (White) (CCT K): 6701
Duv(White): 0.00514653
CQS(White): 82.1
CRI(White): 84.5008

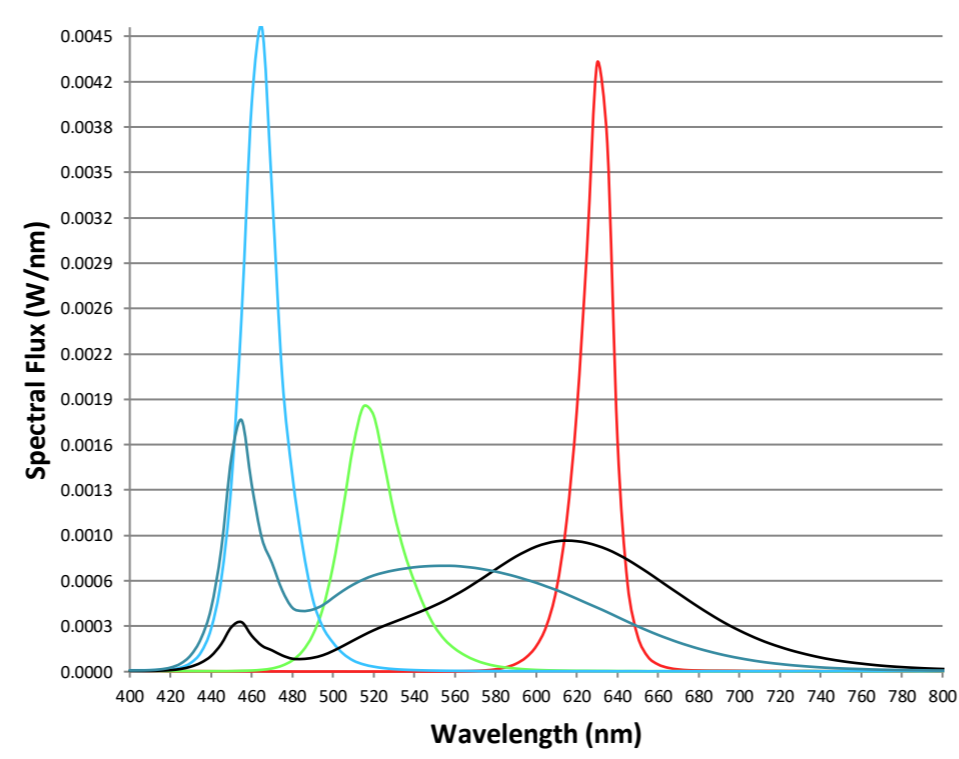
R Values of White 2 Diodes

R1(White): 82.8711
R2(White): 90.7711
R3(White): 93.1258
R4(White): 80.9329
R5(White): 82.0582
R6(White): 84.4381
R7(White): 89.078
R8(White): 72.7314
R9(White): 19.4921
R10(White): 76.1079
R11(White): 79.7757
R12(White): 54.0237
R13(White): 85.7221
R14(White): 96.6394

Date of Test: 9/24/19
Length of Test Sample: 1 row
Measurement Geometry: 2pi
Voltage (V): 24

Environmental Lights
888-880-1800

Spectral Power Distribution



Spectral Response Characteristics

Red Peak Wavelength (nm): 631.756
 Red Center Wavelength (nm): 630.217
 Red Full Width (nm): 15.872
 Red Centroid Wavelength (nm): 628.54
 Red Dominant Wavelength (nm): 622
 Red Purity: 98.97684676

Green Peak Wavelength (nm): 516.591
 Green Center Wavelength (nm): 517.811
 Green Full Width (nm): 30.008
 Green Centroid Wavelength (nm): 520.851
 Green Dominant Wavelength (nm): 521
 Green Purity: 76.13170915

Blue Peak Wavelength (nm): 464.207
 Blue Center Wavelength (nm): 464.073
 Blue Full Width (nm): 19.049
 Blue Centroid Wavelength (nm): 466.156
 Blue Dominant Wavelength (nm): 467
 Blue Purity: 97.08164853

White Peak Wavelength (nm): 615.386
 White Center Wavelength (nm): 614.37
 White Full Width (nm): 129.738
 White Centroid Wavelength (nm): 607.499

White Peak Wavelength (nm): 453.967
 White Center Wavelength (nm): 455.548
 White Full Width (nm): 19.844
 White Centroid Wavelength (nm): 543.803

Environmental Lights 888-880-1800