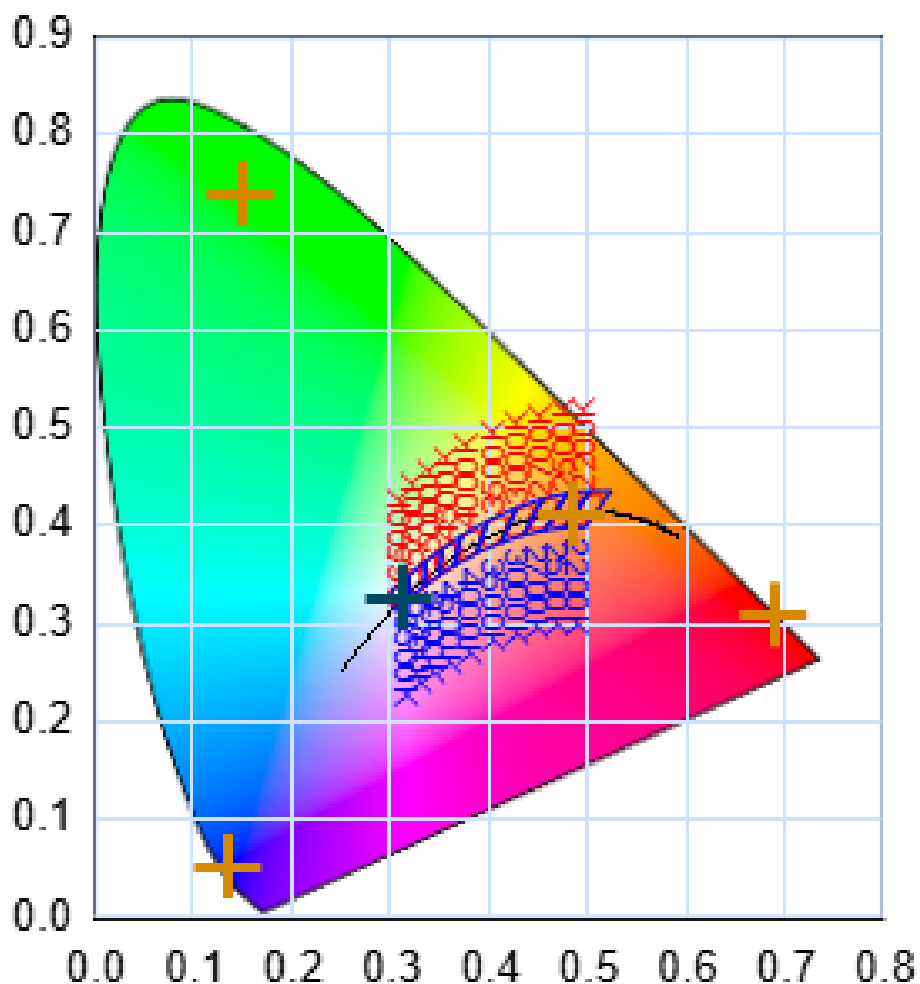


## Integrating Sphere Test Report

Part Number: RGB2465K-5050-60-12V-5m



### Photometric Test Results

Red Total Radiant Flux\* (W): 0.039036063  
 Red Total Luminous Flux\* (lm): 8.61081735  
 Red CIE 1931 Tristimulus x: 0.6905591  
 Red CIE 1931 Tristimulus y: 0.30811575  
 Red CIE 1931 Tristimulus Y: 0.01261327  
 Red CIE 1976 Chroma u': 0.51958159  
 Red CIE 1976 Chroma v': 0.52161409

Green Total Radiant Flux\* (W): 0.061417027  
 Green Total Luminous Flux\* (lm): 28.33423306  
 Green CIE 1931 Tristimulus x: 0.15007289  
 Green CIE 1931 Tristimulus y: 0.7385291  
 Green CIE 1931 Tristimulus Y: 0.04146993  
 Green CIE 1976 Chroma u': 0.05191844  
 Green CIE 1976 Chroma v': 0.57486983

Blue Total Radiant Flux\* (W): 0.081974247  
 Blue Total Luminous Flux\* (lm): 4.93329918  
 Blue CIE 1931 Tristimulus x: 0.13723065  
 Blue CIE 1931 Tristimulus y: 0.05143272  
 Blue CIE 1931 Tristimulus Y: 0.00723383  
 Blue CIE 1976 Chroma u': 0.1642138  
 Blue CIE 1976 Chroma v': 0.13847791

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

**Photometric Test Results cont. (White 1)**

White 1 Total Radiant Flux\* (W): 0.068989463  
White 1 Total Luminous Flux\* (lm): 17.11562998  
White 1 CIE 1931 Tristimulus x: 0.48639865  
White 1 CIE 1931 Tristimulus y: 0.41155931  
White 1 CIE 1931 Tristimulus Y: 0.02505974  
White 1 CIE 1976 Chroma u': 0.27930211  
White 1 CIE 1976 Chroma v': 0.53173691

**Photometric Test Results cont. (White 2)**

White 2 Total Radiant Flux\* (W): 0.082109665  
White 2 Total Luminous Flux\* (lm): 21.99096836  
White 2 CIE 1931 Tristimulus x: 0.31112065  
White 2 CIE 1931 Tristimulus y: 0.32641312  
White 2 CIE 1931 Tristimulus Y: 0.03219659  
White 2 CIE 1976 Chroma u': 0.19770274  
White 2 CIE 1976 Chroma v': 0.46669588

Color Temperature (White) (CCT K): 2375

Duv(White): -0.00105282  
CQS(White): 91.7972  
CRI(White): 96.9177

Color Temperature (White) (CCT K): 6612

Duv(White): 0.00267869  
CQS(White): 94.2362  
CRI(White): 96.1035

**R Values of White 1 Diodes**

R1(White): 98.0882  
R2(White): 98.4845  
R3(White): 98.0482  
R4(White): 97.4738  
R5(White): 97.828  
R6(White): 94.7948  
R7(White): 96.1531  
R8(White): 94.4712  
R9(White): 88.1659  
R10(White): 98.6956  
R11(White): 93.431  
R12(White): 89.6749  
R13(White): 97.65  
R14(White): 97.395

**R Values of White 2 Diodes**

R1(White): 97.28  
R2(White): 99.0173  
R3(White): 98.6055  
R4(White): 94.5325  
R5(White): 95.2687  
R6(White): 94.9429  
R7(White): 94.8913  
R8(White): 94.2897  
R9(White): 93.5779  
R10(White): 98.86  
R11(White): 97.9173  
R12(White): 69.722  
R13(White): 98.9908  
R14(White): 99.5189

Date of Test: 4/16/24

Length of Test Sample (mm): 150

Measurement Geometry: 2pi

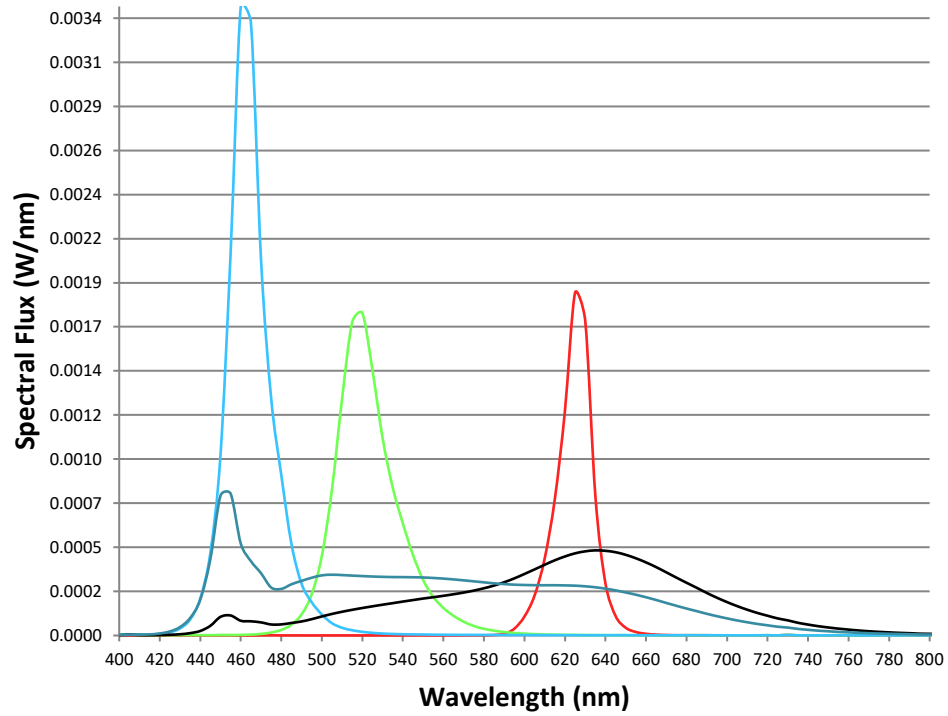
Voltage (V):

12

**Environmental Lights**

**888-880-1880**

## Spectral Power Distribution



### Spectral Response Characteristics

Red Dominant Wavelength (nm): 620  
Red Peak Wavelength (nm): 627.216  
Red Center Wavelength (nm): 625.8  
Red Full Width (nm): 15.059  
Red Centroid Wavelength (nm): 624.505  
Red Purity: 99.64801621

Green Dominant Wavelength (nm): 524  
Green Peak Wavelength (nm): 518.012  
Green Center Wavelength (nm): 519.542  
Green Full Width (nm): 26.605  
Green Centroid Wavelength (nm): 523.267  
Green Purity: 81.93887415

Blue Dominant Wavelength (nm): 466  
Blue Peak Wavelength (nm): 462.222  
Blue Center Wavelength (nm): 462.494  
Blue Full Width (nm): 16.331  
Blue Centroid Wavelength (nm): 464.84  
Blue Purity: 97.57183476

White 1 Dominant Wavelength (nm): 586  
White 1 Peak Wavelength (nm): 636.162  
White 1 Center Wavelength (nm): 629.436  
White 1 Full Width (nm): 120.804  
White 1 Centroid Wavelength (nm): 616.526  
White 1 Purity: 69.53965877

White 2 Dominant Wavelength (nm): 487  
White 2 Peak Wavelength (nm): 452.585  
White 2 Center Wavelength (nm): 453.726  
White 2 Full Width (nm): 16.605  
White 2 Centroid Wavelength (nm): 555.426  
White 2 Purity: 8.02105274

**Environmental Lights**  
**888-880-1880**