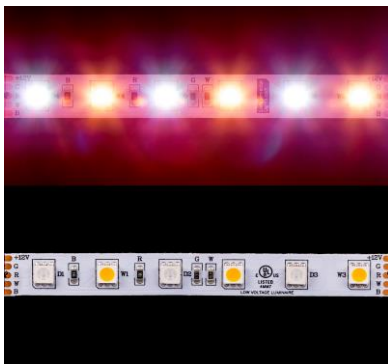
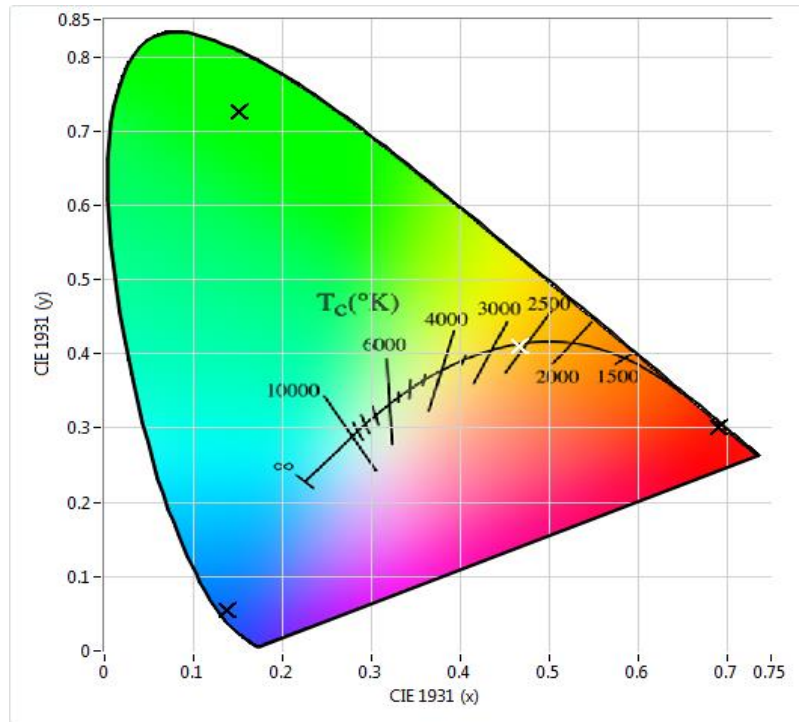


## Integrating Sphere Test Report

RGBWW 5050 ColorPlus LED Strip Light, 60/m, 12mm wide, by the 5m Reel  
 RGBWW-reel-12



RGBWW-reel-12



### Photometric Test Results

Red Total Radiant Flux\* (W): 0.040785  
 Red Total Luminous Flux\* (lm): 7.89125  
 Red CIE 1931 Tristimulus x: 0.690333  
 Red CIE 1931 Tristimulus y: 0.301653  
 Red CIE 1931 Tristimulus Y: 0.011554  
 Red CIE 1976 Chroma u': 0.527056  
 Red CIE 1976 Chroma v': 0.518188  
 Green Total Radiant Flux\* (W): 0.038117  
 Green Total Luminous Flux\* (lm): 17.6724  
 Green CIE 1931 Tristimulus x: 0.150695  
 Green CIE 1931 Tristimulus y: 0.725805  
 Green CIE 1931 Tristimulus Y: 0.025875  
 Green CIE 1976 Chroma u': 0.052837  
 Green CIE 1976 Chroma v': 0.572589

Blue Total Radiant Flux\* (W): 0.06675237  
 Blue Total Luminous Flux\* (lm): 4.20762403  
 Blue CIE 1931 Tristimulus x: 0.13775881  
 Blue CIE 1931 Tristimulus y: 0.05429125  
 Blue CIE 1931 Tristimulus Y: 0.0061605  
 Blue CIE 1976 Chroma u': 0.16322243  
 Blue CIE 1976 Chroma v': 0.14473475  
 White Total Radiant Flux\* (W): 0.22394296  
 White Total Luminous Flux\* (lm): 62.4283554  
 White CIE 1931 Tristimulus x: 0.4668051  
 White CIE 1931 Tristimulus y: 0.40947984  
 White CIE 1931 Tristimulus Y: 0.09140316  
 White CIE 1976 Chroma u': 0.26750442  
 White CIE 1976 Chroma v': 0.52797142

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

## Photometric Test Results cont. (White)

Color Temperature (White) (CCT K): 2598  
Duv(White): -0.00092  
CQS(White): 89.396250  
CRI(White): 93.85841

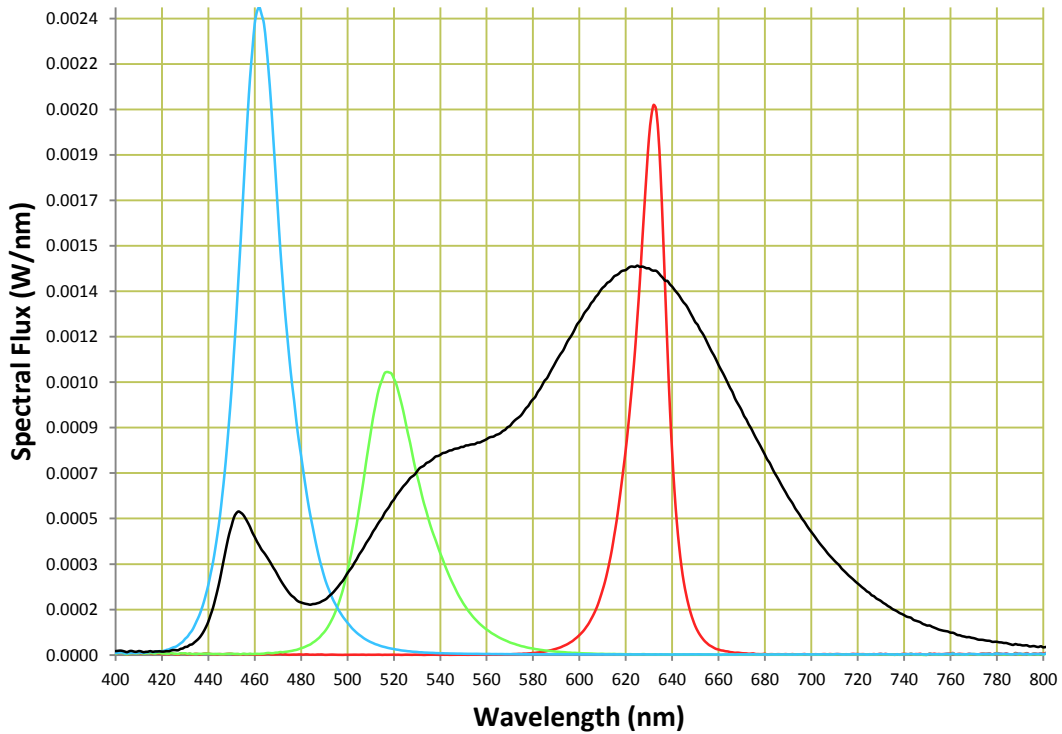
### R Values of White Diodes

R1(White): 95.75041  
R2(White): 96.91592  
R3(White): 94.82671  
R4(White): 95.34734  
R5(White): 94.5103  
R6(White): 95.9707  
R7(White): 93.08658  
R8(White): 84.45932  
R9(White): 64.74818  
R10(White): 89.63423  
R11(White): 95.65051  
R12(White): 79.55768  
R13(White): 96.51773  
R14(White): 95.54825

Date of Test: 7/29/14  
Length of Test Sample: 150mm  
Measurement Geometry: 2pi  
Voltage (V): 12

**Environmental Lights**  
**888-880-1800**

# Spectral Power Distribution



## Spectral Response Characteristics

Red Peak Wavelength (nm): 632	Blue Peak Wavelength (nm): 462
Red Center Wavelength (nm): 631	Blue Center Wavelength (nm): 463
Red Full Width (nm): 16	Blue Full Width (nm): 22
Red Centroid Wavelength (nm): 628.8423	Blue Centroid Wavelength (nm): 464.7430512
Red Dominant Wavelength (nm): 624	Blue Dominant Wavelength (nm): 466
Red Purity: 97.62672	Blue Purity: 96.95216216
Green Peak Wavelength (nm): 517	White Peak Wavelength (nm): 625
Green Center Wavelength (nm): 519.5	White Center Wavelength (nm): 608.5
Green Full Width (nm): 29	White Full Width (nm): 145
Green Centroid Wavelength (nm): 522.7481	White Centroid Wavelength (nm): 604.5875937
Green Dominant Wavelength (nm): 523	
Green Purity: 78.96246	

## Environmental Lights

888-880-1800