
Integrating Sphere Test Report

EcoFlex 4-in-1 LED Neon - RGB + 3,000K - 5m

LN-ECO-RGB3000K-5m

Photometric Test Results

Red Total Radiant Flux* (W): 0.034637
Red Total Luminous Flux* (lm): 6.511325
Red CIE 1931 Tristimulus x: 0.695278
Red CIE 1931 Tristimulus y: 0.30245
Red CIE 1931 Tristimulus Y: 0.00954
Red CIE 1976 Chroma u': 0.530863
Red CIE 1976 Chroma v': 0.51959

Blue Total Radiant Flux* (W): 0.04353629
Blue Total Luminous Flux* (lm): 3.82649325
Blue CIE 1931 Tristimulus x: 0.16059356
Blue CIE 1931 Tristimulus y: 0.07657626
Blue CIE 1931 Tristimulus Y: 0.00560733
Blue CIE 1976 Chroma u': 0.17854997
Blue CIE 1976 Chroma v': 0.19156155

Green Total Radiant Flux* (W): 0.038557
Green Total Luminous Flux* (lm): 17.63491
Green CIE 1931 Tristimulus x: 0.17854
Green CIE 1931 Tristimulus y: 0.707889
Green CIE 1931 Tristimulus Y: 0.025812
Green CIE 1976 Chroma u': 0.064122
Green CIE 1976 Chroma v': 0.572027

White Total Radiant Flux* (W): 0.072916886
White Total Luminous Flux* (lm): 23.36551308
White CIE 1931 Tristimulus x: 0.42439225
White CIE 1931 Tristimulus y: 0.39148333
White CIE 1931 Tristimulus Y: 0.03420685
White CIE 1976 Chroma u': 0.24785591
White CIE 1976 Chroma v': 0.5144316

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

Environmental Lights

888-880-1880

Photometric Test Results cont. (White)

Color Temperature (White) (CCT K): 3118
Duv(White): -0.0033
CQS(White):
CRI(White): **84**

R Values of White Diodes

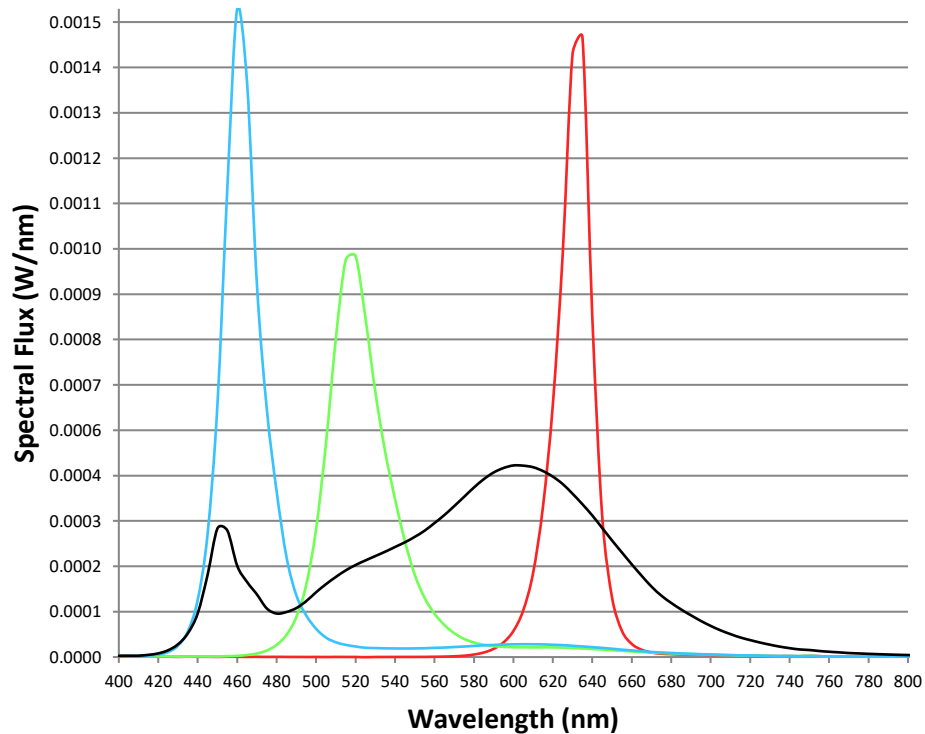
R1(White): 83.7417
R2(White): 93.2124
R3(White): 95.445
R4(White): 81.8768
R5(White): 83.9978
R6(White): 90.9844

R7(White): 82.9623
R8(White): 62.6453
R9(White): 16.7693
R10(White): 83.8516
R11(White): 81.3149
R12(White): 72.8949
R13(White): 86.2949
R14(White): 98.4367

Date of Test: 10/1/20
Length of Test Sample: 150mm
Measurement Geometry: 2pi
Voltage (V): 24

Environmental Lights
888-880-1800

Spectral Power Distribution



Spectral Response Characteristics

Red Peak Wavelength (nm): 632.947	Blue Peak Wavelength (nm): 461.109
Red Center Wavelength (nm): 631.556	Blue Center Wavelength (nm): 461.589
Red Full Width (nm): 16.629	Blue Full Width (nm): 18.741
Red Centroid Wavelength (nm): 629.986	Blue Centroid Wavelength (nm): 464.68
Red Dominant Wavelength (nm): 623	Blue Dominant Wavelength (nm): 464

Red Purity: 99.3529

Blue Purity: 87.4107555

Green Peak Wavelength (nm): 517.685

White Peak Wavelength (nm): 603.101

Green Center Wavelength (nm): 519.762

White Center Wavelength (nm): 591.432

Green Full Width (nm): 30.103

White Full Width (nm): 134.262

Green Centroid Wavelength (nm): 527.947

White Centroid Wavelength (nm): 581.125

Green Dominant Wavelength (nm): 527

Green Purity: 77.34963

Environmental Lights

888-880-1800