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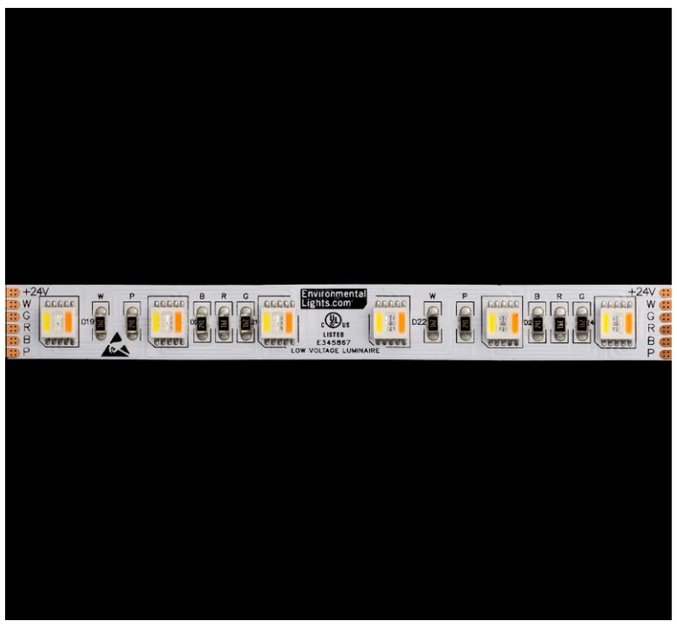
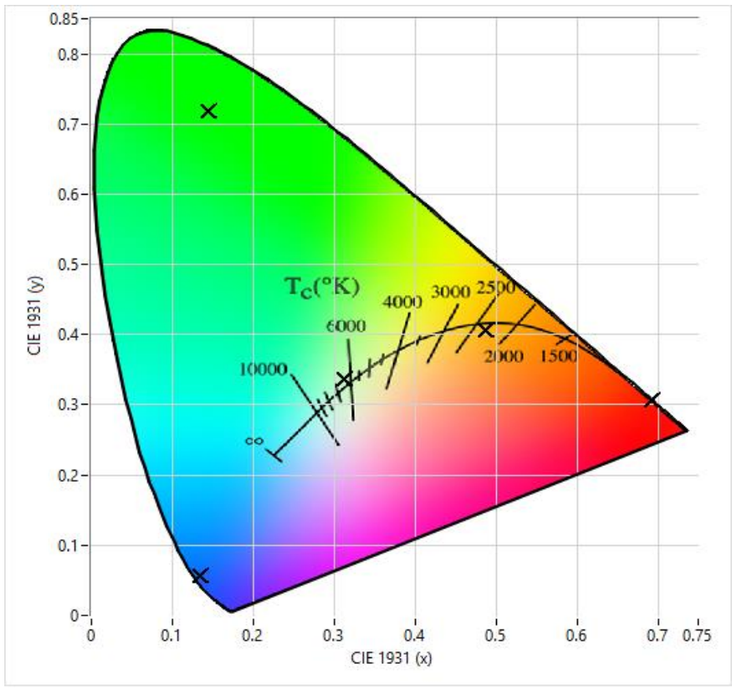
Integrating Sphere Test Report

RGBTW 5-in-1 5050 LED Strip Light, 60/m, 12mm wide, by the 5m Reel

RGBTW-5in1-5050-60-reel



RGBTW-5in1-5050-60-reel



Photometric Test Results

Red Total Radiant Flux* (W):	0.07637681
Red Total Luminous Flux* (lm):	15.8374754
Red CIE 1931 Tristimulus x:	0.69306747
Red CIE 1931 Tristimulus y:	0.30609503
Red CIE 1931 Tristimulus Y:	0.02320192
Red CIE 1976 Chroma u':	0.52435541
Red CIE 1976 Chroma v':	0.52106155
Green Total Radiant Flux* (W):	0.07558713
Green Total Luminous Flux* (lm):	34.23458549
Green CIE 1931 Tristimulus x:	0.14420122
Green CIE 1931 Tristimulus y:	0.71912652
Green CIE 1931 Tristimulus Y:	0.05011101
Green CIE 1976 Chroma u':	0.05085962
Green CIE 1976 Chroma v':	0.57067918

Blue Total Radiant Flux* (W):	0.11752881
Blue Total Luminous Flux* (lm):	7.76169953
Blue CIE 1931 Tristimulus x:	0.13345832
Blue CIE 1931 Tristimulus y:	0.05729985
Blue CIE 1931 Tristimulus Y:	0.01138169
Blue CIE 1976 Chroma u':	0.15606051
Blue CIE 1976 Chroma v':	0.15075903
White 1 Total Radiant Flux* (W):	0.14846995
White 1 Total Luminous Flux* (lm):	42.22136909
White 1 CIE 1931 Tristimulus x:	0.4872689
White 1 CIE 1931 Tristimulus y:	0.4060504
White 1 CIE 1931 Tristimulus Y:	0.06181437
White 1 CIE 1976 Chroma u':	0.28255388
White 1 CIE 1976 Chroma v':	0.52977937
White 2 Total Radiant Flux* (W):	0.17176536
White 2 Total Luminous Flux* (lm):	53.11980728
White 2 CIE 1931 Tristimulus x:	0.31253751
White 2 CIE 1931 Tristimulus y:	0.33643754
White 2 CIE 1931 Tristimulus Y:	0.07776486
White 2 CIE 1976 Chroma u':	0.19496504
White 2 CIE 1976 Chroma v':	0.47221694

*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):	2326
Duv(White):	-0.00292719
CQS(White):	78.14
CRI(White):	83.1982415

Photometric Test Results cont. (White 2)

Color Temperature (White) (CCT K):	6460
Duv(White):	0.00705325
CQS(White):	81.54
CRI(White):	83.41208403

R Values of White 1 Diodes

R1(White):	82.27704463
R2(White):	92.75473839
R3(White):	95.59224808
R4(White):	78.88735565
R5(White):	81.62228445
R6(White):	91.4889941
R7(White):	81.70061426
R8(White):	61.26265246
R9(White):	22.53276609
R10(White):	83.00702922
R11(White):	76.98553194
R12(White):	76.8009727
R13(White):	84.657821
R14(White):	98.73200156

R Values of White 2 Diodes

R1(White):	81.30485754
R2(White):	90.45248271
R3(White):	93.67962776
R4(White):	78.74526472
R5(White):	80.53770222
R6(White):	84.45709916
R7(White):	88.04277746
R8(White):	70.07686067
R9(White):	12.77216132
R10(White):	75.63773407
R11(White):	77.37594309
R12(White):	53.06777835
R13(White):	84.43496719
R14(White):	96.89781813

Date of Test:	11/21/17
Length of Test Sample:	150mm
Measurement Geometry:	2pi
Voltage (V):	24

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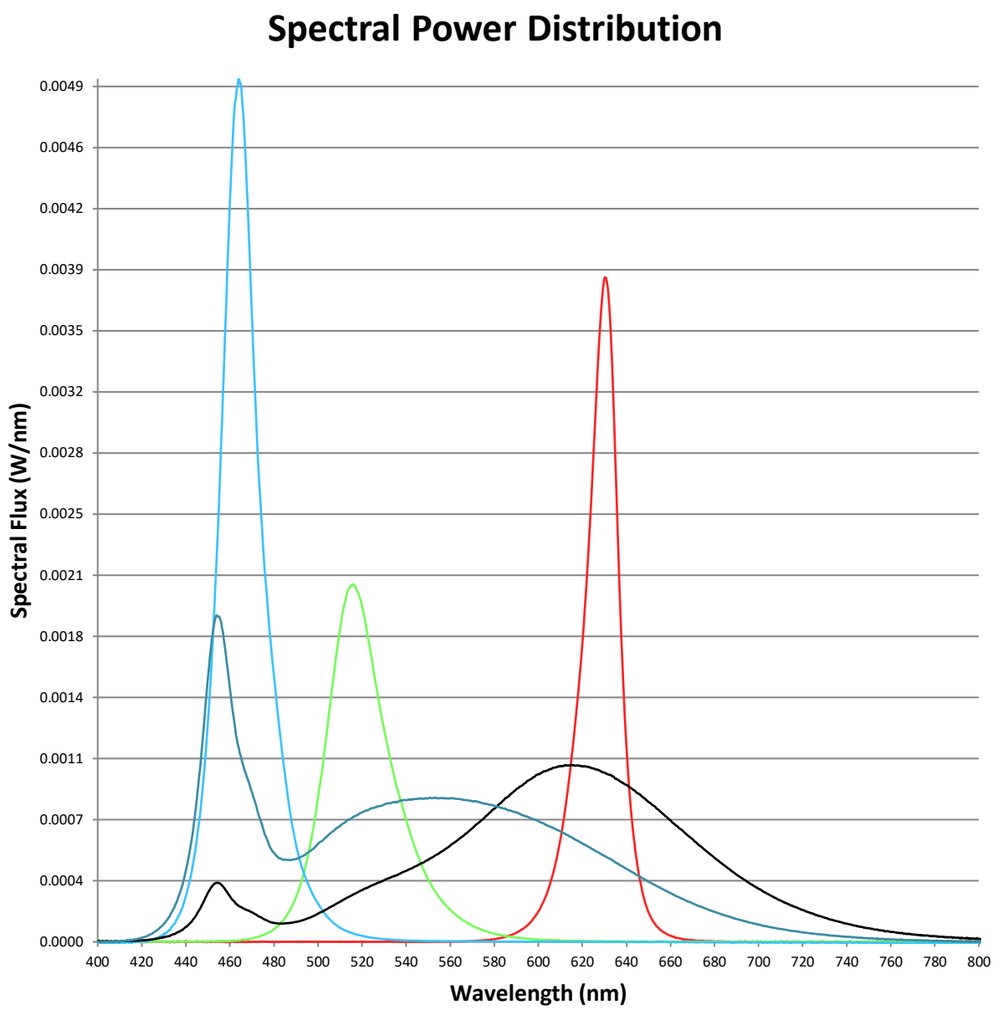

Spectral Response Characteristics

Red Peak Wavelength (nm):	630.47
Red Center Wavelength (nm):	629.15
Red Full Width (nm):	16.13
Red Centroid Wavelength (nm):	627.42
Red Dominant Wavelength (nm):	621
Red Purity:	99.79123402

Blue Peak Wavelength (nm):	464.14
Blue Center Wavelength (nm):	464.52
Blue Full Width (nm):	19.17
Blue Centroid Wavelength (nm):	466.68
Blue Dominant Wavelength (nm):	468
Blue Purity:	97.57286431

Green Peak Wavelength (nm):	515.73
Green Center Wavelength (nm):	517.75
Green Full Width (nm):	30.91
Green Centroid Wavelength (nm):	521.11
Green Dominant Wavelength (nm):	521
Green Purity:	77.13731921

White Peak Wavelength (nm):	615.53
White Center Wavelength (nm):	616.22
White Full Width (nm):	122.52
White Centroid Wavelength (nm):	608.61

White Peak Wavelength (nm):	454.45
White Center Wavelength (nm):	456.99
White Full Width (nm):	22.12
White Centroid Wavelength (nm):	544.48

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