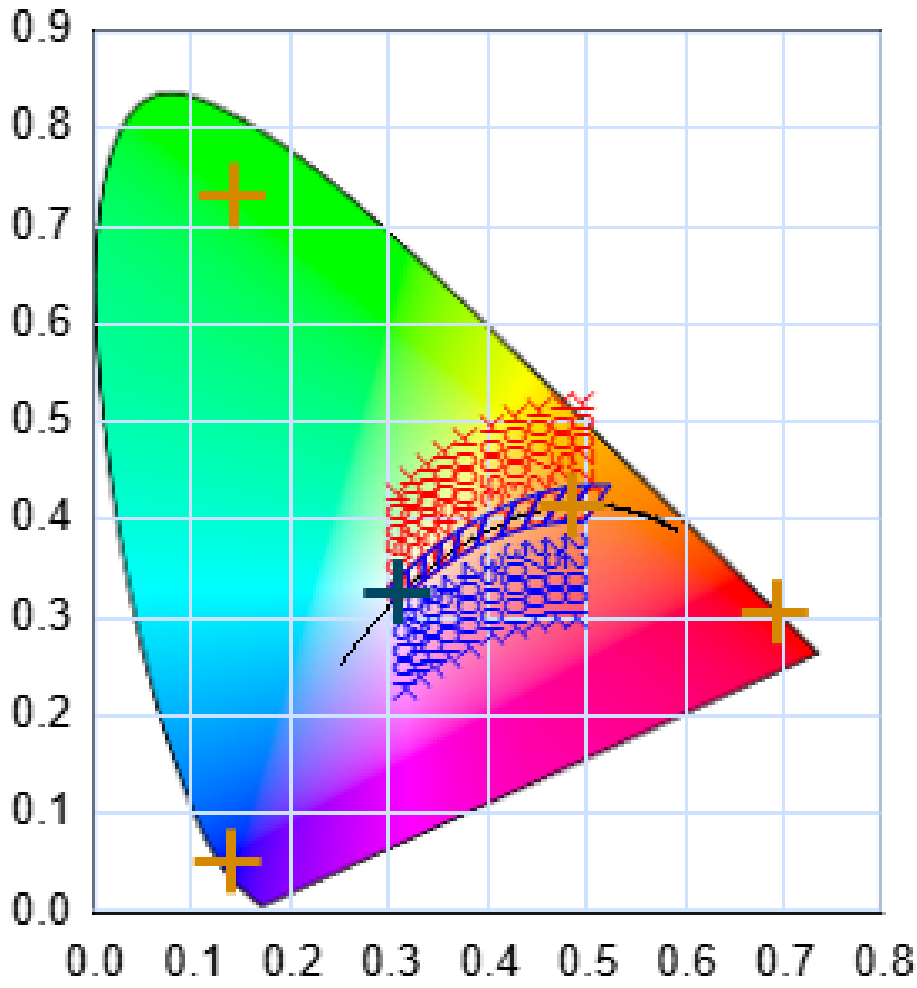
Integrating Sphere Test Report

Part Number: RGB2465K-5050-60-24V-5m



Photometric Test Results

Red Total Radiant Flux* (W):	0.067927799
Red Total Luminous Flux* (lm):	14.01298525
Red CIE 1931 Tristimulus x:	0.69307576
Red CIE 1931 Tristimulus y:	0.30524573
Red CIE 1931 Tristimulus Y:	0.02052809
Red CIE 1976 Chroma u':	0.52537609
Red CIE 1976 Chroma v':	0.52062102

Green Total Radiant Flux* (W):	0.091607163
Green Total Luminous Flux* (lm):	40.69702499
Green CIE 1931 Tristimulus x:	0.14249176
Green CIE 1931 Tristimulus y:	0.7301319
Green CIE 1931 Tristimulus Y:	0.0595677
Green CIE 1976 Chroma u':	0.04966341
Green CIE 1976 Chroma v':	0.57257267

Blue Total Radiant Flux* (W):	0.128801071
Blue Total Luminous Flux* (lm):	7.72427052
Blue CIE 1931 Tristimulus x:	0.13823318
Blue CIE 1931 Tristimulus y:	0.05035386
Blue CIE 1931 Tristimulus Y:	0.01132601
Blue CIE 1976 Chroma u':	0.16615664
Blue CIE 1976 Chroma v':	0.1361823

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

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Photometric Test Results cont. (White 1)

White 1 Total Radiant Flux* (W):	0.110768031
White 1 Total Luminous Flux* (lm):	27.6979127
White 1 CIE 1931 Tristimulus x:	0.48756314
White 1 CIE 1931 Tristimulus y:	0.41386245
White 1 CIE 1931 Tristimulus Y:	0.04055359
White 1 CIE 1976 Chroma u':	0.27895728
White 1 CIE 1976 Chroma v':	0.53277688

Color Temperature (White) (CCT K):	2378
Duv(White):	-0.00030739
CQS(White):	91.9641
CRI(White):	97.3065

Photometric Test Results cont. (White 2)

White 2 Total Radiant Flux* (W):	0.132441024
White 2 Total Luminous Flux* (lm):	35.62614129
White 2 CIE 1931 Tristimulus x:	0.31011136
White 2 CIE 1931 Tristimulus y:	0.32539432
White 2 CIE 1931 Tristimulus Y:	0.05215939
White 2 CIE 1976 Chroma u':	0.19738144
White 2 CIE 1976 Chroma v':	0.46599485

Color Temperature (White) (CCT K):	6678
Duv(White):	0.00267113
CQS(White):	94.1338
CRI(White):	96.2892

R Values of White 1 Diodes

R1(White):	98.8463
R2(White):	99.2746
R3(White):	97.48
R4(White):	97.8685
R5(White):	98.7425
R6(White):	95.9932
R7(White):	96.379
R8(White):	93.8681
R9(White):	86.2908
R10(White):	99.5216
R11(White):	94.044
R12(White):	91.0672
R13(White):	98.523
R14(White):	97.0976

R Values of White 2 Diodes

R1(White):	97.0888
R2(White):	99.7018
R3(White):	98.524
R4(White):	95.0347
R5(White):	95.2712
R6(White):	94.591
R7(White):	95.6867
R8(White):	94.4158
R9(White):	90.9716
R10(White):	98.8343
R11(White):	97.5032
R12(White):	70.0193
R13(White):	99.1557
R14(White):	99.7656

Date of Test:	4/16/24
Length of Test Sample (mm):	150
Measurement Geometry:	2pi
Voltage (V):	24

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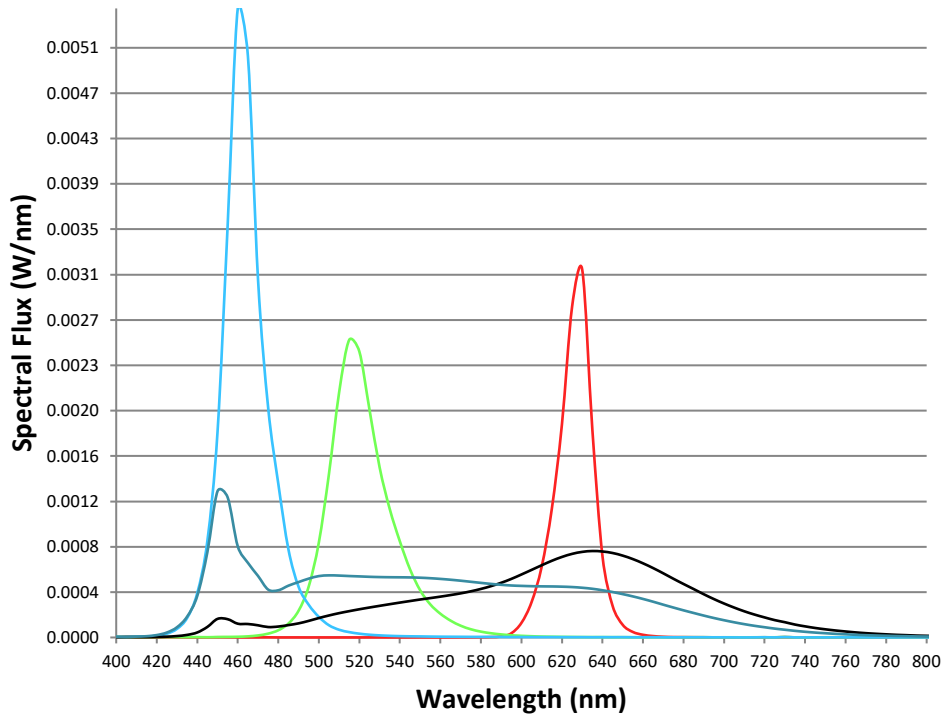
Spectral Power Distribution



Spectral Response Characteristics

Red Dominant Wavelength (nm):	621	Green Dominant Wavelength (nm):	522
Red Peak Wavelength (nm):	628.618	Green Peak Wavelength (nm):	516.575
Red Center Wavelength (nm):	627.205	Green Center Wavelength (nm):	518.098
Red Full Width (nm):	16.022	Green Full Width (nm):	27.499
Red Centroid Wavelength (nm):	626.143	Green Centroid Wavelength (nm):	521.665
Red Purity:	99.53707198	Green Purity:	79.4769636
Blue Dominant Wavelength (nm):	466	White 1 Dominant Wavelength (nm):	586
Blue Peak Wavelength (nm):	461.687	White 1 Peak Wavelength (nm):	635.873
Blue Center Wavelength (nm):	461.998	White 1 Center Wavelength (nm):	628.89
Blue Full Width (nm):	17.04	White 1 Full Width (nm):	121.958
Blue Centroid Wavelength (nm):	464.265	White 1 Centroid Wavelength (nm):	616.667
Blue Purity:	97.5014282	White 1 Purity:	70.58422148
White 2 Dominant Wavelength (nm):	487		
White 2 Peak Wavelength (nm):	452.173		
White 2 Center Wavelength (nm):	453.244		
White 2 Full Width (nm):	17.029		
White 2 Centroid Wavelength (nm):	554.669		
White 2 Purity:	8.4437868		

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