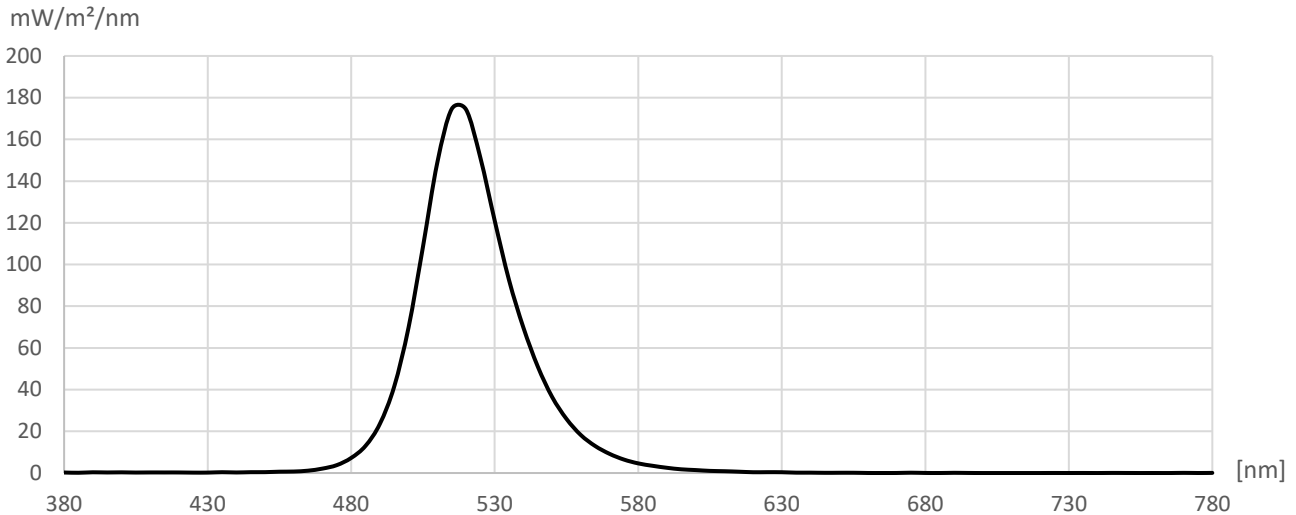


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: RGB LED Light Sheet
 Model: LST-RGB

Measurement file: LST-RGB.CSV
 Date of measurement: 01.05.2024
 Time of measurement: 13:16:30



R1 = -35.5	Ra = -23.6	Illuminance	3,206.59 lx	CIE1931
R2 = -7.7	Re = -54.1	Ee	6.938 W/m ²	x = 0.1514
R3 = -21.2	GAI = 0.8	LER	462.2 lm/W	y = 0.7172
R4 = -62.7				
R5 = -9.2	TLCI = 3.0	Correlated Color Temperature (CCT)	8,178 K	CIE1976
R6 = -16.0		Duv	0.1622	u' = 0.0536
R7 = -5.2	PPFD			v' = 0.5710
R8 = -31.0	[μmol/m ² s]	Saturation	75.70 %	
R9 = #####	30.27			CIE1960
R10 = #####		Dominant wavelength	520 nm	u = 0.0536
R11 = -91.3		Peak wavelength	518 nm	v = 0.3807
R12 = -30.9				
R13 = -41.4		Flicker frequency	% < 1.0	TM30
R14 = 39.7		Percent Flicker	< 1.0	Rf = 0.8
R15 = -37.9		Flicker index	% < 1.0	Rg = 8.7

[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.24	440	0.27	500	69.86	560	18.23	620	0.38	680	0.04	740	0.00
385	0.12	445	0.40	505	108.41	565	12.95	625	0.41	685	0.01	745	0.04
390	0.35	450	0.42	510	148.81	570	9.20	630	0.38	690	0.09	750	0.03
395	0.27	455	0.63	515	174.50	575	6.46	635	0.18	695	0.03	755	0.00
400	0.32	460	0.72	520	174.36	580	4.61	640	0.17	700	0.00	760	0.01
405	0.23	465	1.13	525	151.26	585	3.46	645	0.09	705	0.00	765	0.00
410	0.28	470	2.11	530	121.04	590	2.50	650	0.12	710	0.00	770	0.08
415	0.27	475	3.79	535	92.49	595	1.77	655	0.13	715	0.00	775	0.02
420	0.27	480	7.22	540	69.74	600	1.41	660	0.02	720	0.00	780	0.06
425	0.19	485	13.02	545	51.09	605	1.02	665	0.01	725	0.02		
430	0.21	490	23.56	550	36.50	610	0.87	670	0.02	730	0.01		
435	0.39	495	41.51	555	25.97	615	0.64	675	0.14	735	0.02		

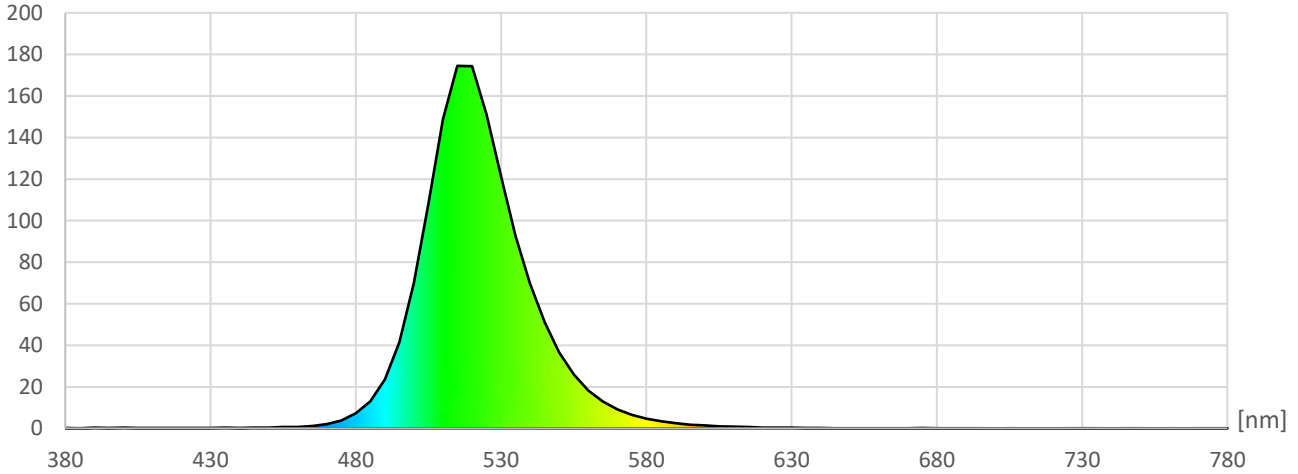
Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: RGB LED Light Sheet
 Model: LST-RGB

Measurement file: LST-RGB.CSV
 Date of measurement: 01.05.2024
 Time of measurement: 13:16:30

mW/m²/nm



[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.24	535	92.49	690	0.09								
385	0.12	540	69.74	695	0.03								
390	0.35	545	51.09	700	0.00								
395	0.27	550	36.50	705	0.00								
400	0.32	555	25.97	710	0.00								
405	0.23	560	18.23	715	0.00								
410	0.28	565	12.95	720	0.00								
415	0.27	570	9.20	725	0.02								
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425	0.19	580	4.61	735	0.02								
430	0.21	585	3.46	740	0.00								
435	0.39	590	2.50	745	0.04								
440	0.27	595	1.77	750	0.03								
445	0.40	600	1.41	755	0.00								
450	0.42	605	1.02	760	0.01								
455	0.63	610	0.87	765	0.00								
460	0.72	615	0.64	770	0.08								
465	1.13	620	0.38	775	0.02								
470	2.11	625	0.41	780	0.06								
475	3.79	630	0.38										
480	7.22	635	0.18										
485	13.02	640	0.17										
490	23.56	645	0.09										
495	41.51	650	0.12										
500	69.86	655	0.13										
505	108.41	660	0.02										
510	148.81	665	0.01										
515	174.50	670	0.02										
520	174.36	675	0.14										
525	151.26	680	0.04										
530	121.04	685	0.01										

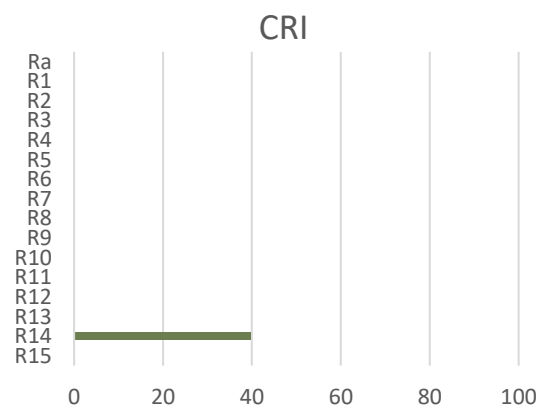
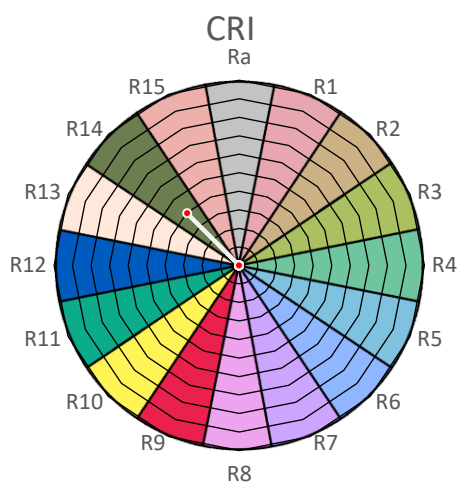
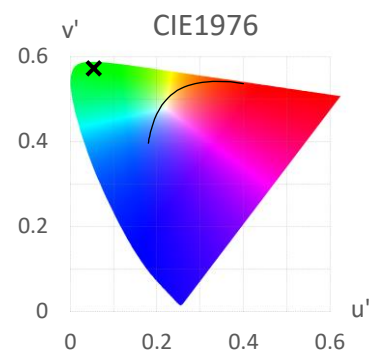
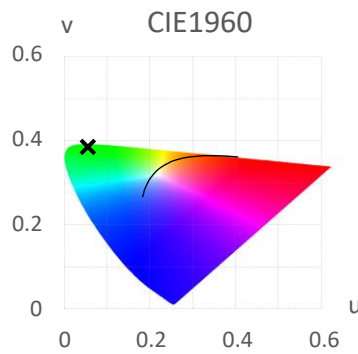
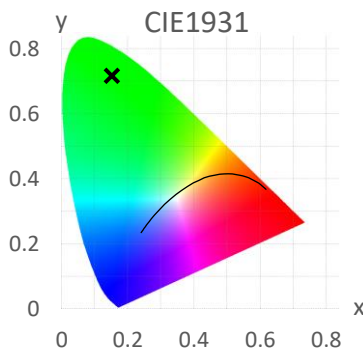
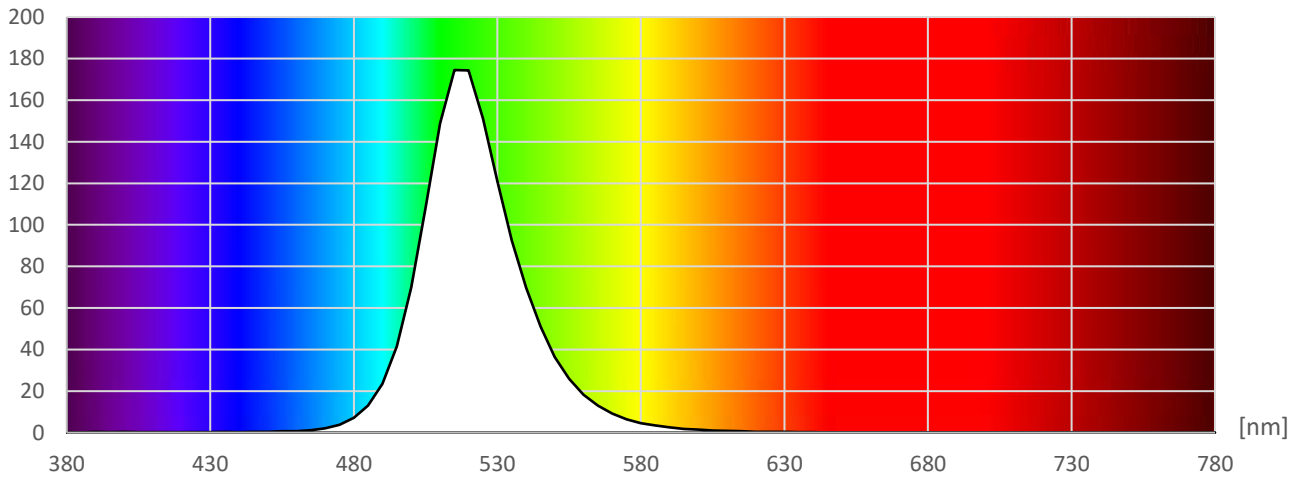
Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: RGB LED Light Sheet
 Model: LST-RGB

Measurement file: LST-RGB.CSV
 Date of measurement: 01.05.2024
 Time of measurement: 13:16:30

mW/m²/nm



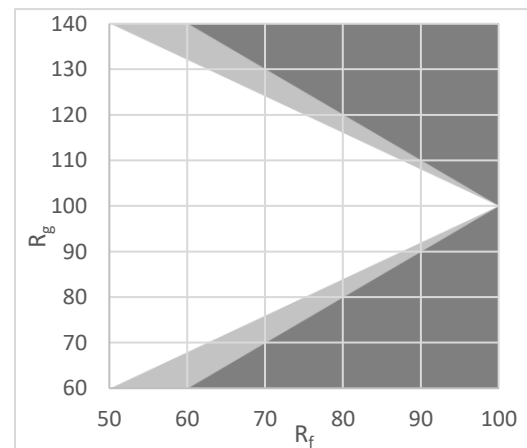
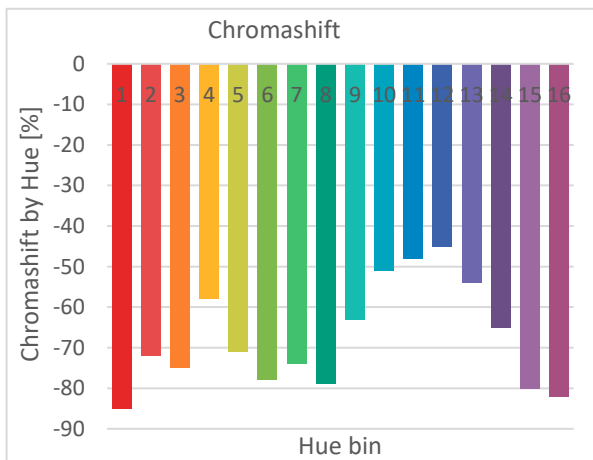
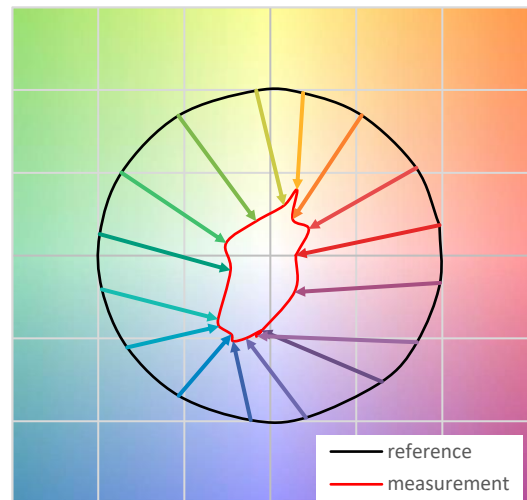
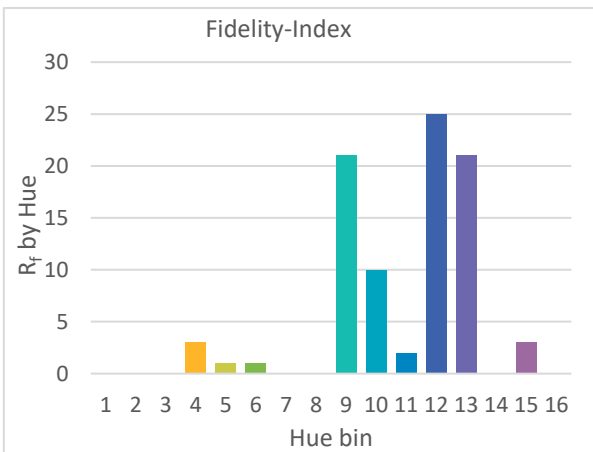
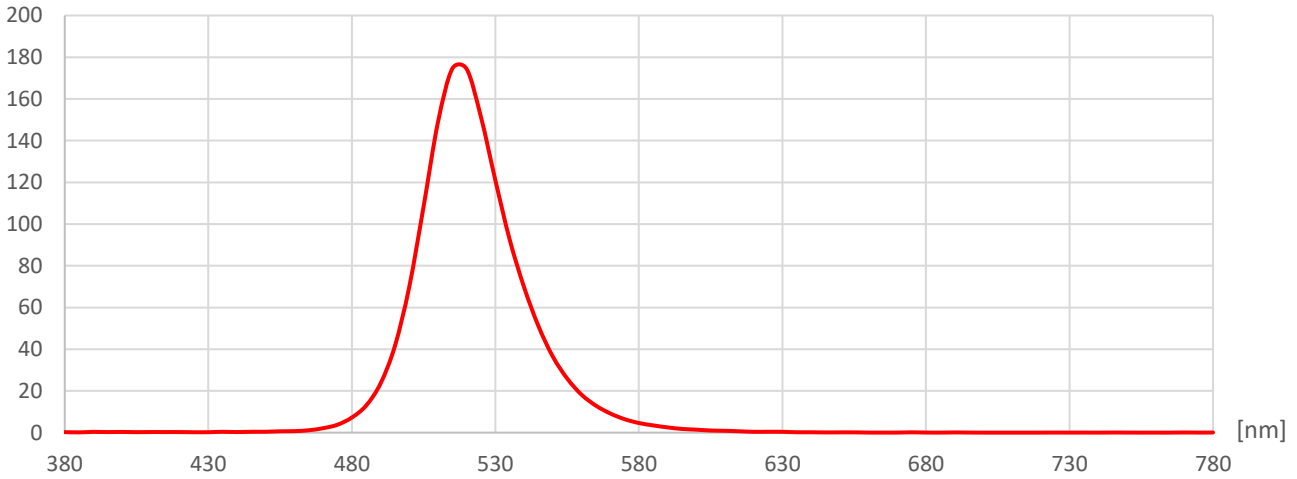
Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: RGB LED Light Sheet
 Model: LST-RGB

Measurement file: LST-RGB.CSV
 Date of measurement: 01.05.2024
 Time of measurement: 13:16:30

mW/m²/nm

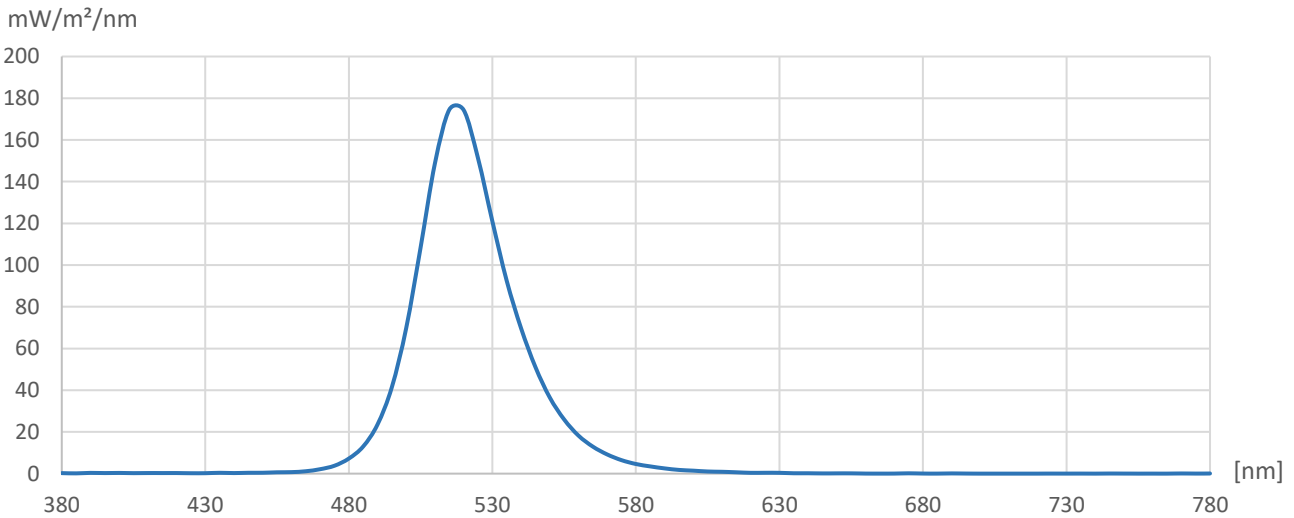


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: RGB LED Light Sheet
 Model: LST-RGB

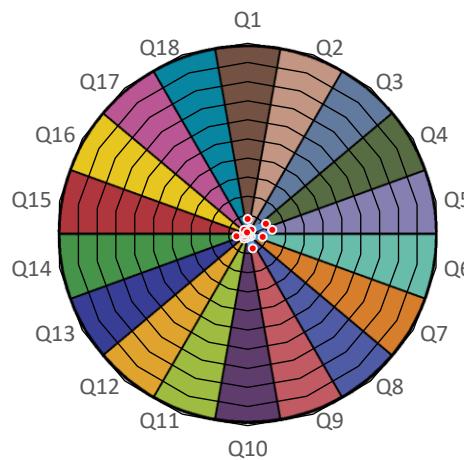
Measurement file: LST-RGB.CSV
 Date of measurement: 01.05.2024
 Time of measurement: 13:16:30



correlated color temperature (CCT) 8,178 K
 TLCI 3

Reference Spectrum Daylight

	Lightness	Chroma	Hue
R	19	22	4
R/Y	16	15	3
Y	4	24	1
Y/G	-5	18	0
G	-13	22	3
G/C	-13	22	3
C	-10	20	-11
C/B	-8	12	0
B	2	18	7
B/M	7	23	8
M	22	23	7
M/R	22	23	7



Test Colour	Value	Test Colour	Value	Test Colour	Value			
Q1	Dark skin	8	Q7	Orange	2	Q13	Blue	2
Q2	Light skin	3	Q8	Purplish blue	1	Q14	Green	6
Q3	Blue sky	3	Q9	Moderate red	8	Q15	Red	2
Q4	Foliage	11	Q10	Purple	1	Q16	Yellow	1
Q5	Blue flower	13	Q11	Yellow green	2	Q17	Magenta	3
Q6	Bluish green	8	Q12	Orange yellow	3	Q18	Cyan	1