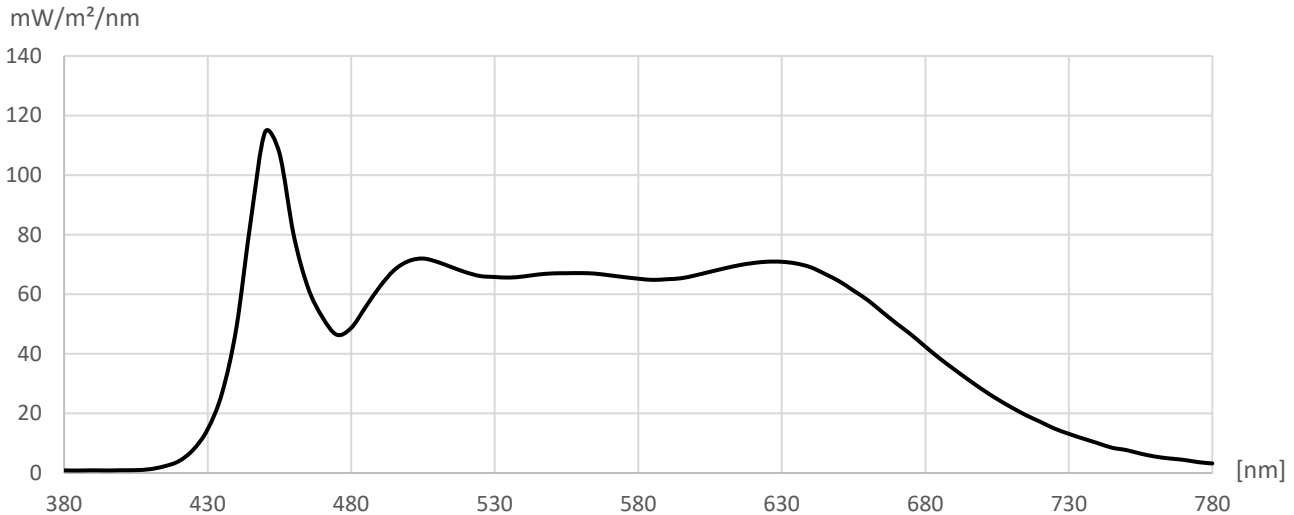


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Render Series LED Strip Light
 Model: UB-RS-50K95C

Measurement file: UB-RS-50K95C.CSV
 Date of measurement: 15.05.2023
 Time of measurement: 15:52:25



R1 = 97.2	Ra = 97.6	Illuminance	4,865.63 lx	CIE1931
R2 = 97.7	Re = 96.3	Ee	18.062 W/m²	x = 0.3421
R3 = 98.5	GAI = 91.7	LER	269.4 lm/W	y = 0.3509
R4 = 98.5				
R5 = 97.5	TLCI = 100.0	Correlated Color Temperature (CCT)	5,113 K	CIE1976
R6 = 95.8		Duv	0.0009	u' = 0.2097
R7 = 97.7	PPFD			v' = 0.4839
R8 = 98.1	[μmol/m²s]	Saturation	7.90 %	
R9 = 97.1	79.72			CIE1960
R10 = 94.4		Dominant wavelength	569 nm	u = 0.2097
R11 = 95.3		Peak wavelength	450 nm	v = 0.3226
R12 = 84.2				
R13 = 97.2		Flicker frequency	% < 1.0	TM30
R14 = 99.1		Percent Flicker	< 1.0	Rf = 91.1
R15 = 96.6		Flicker index	% < 1.0	Rg = 99.6

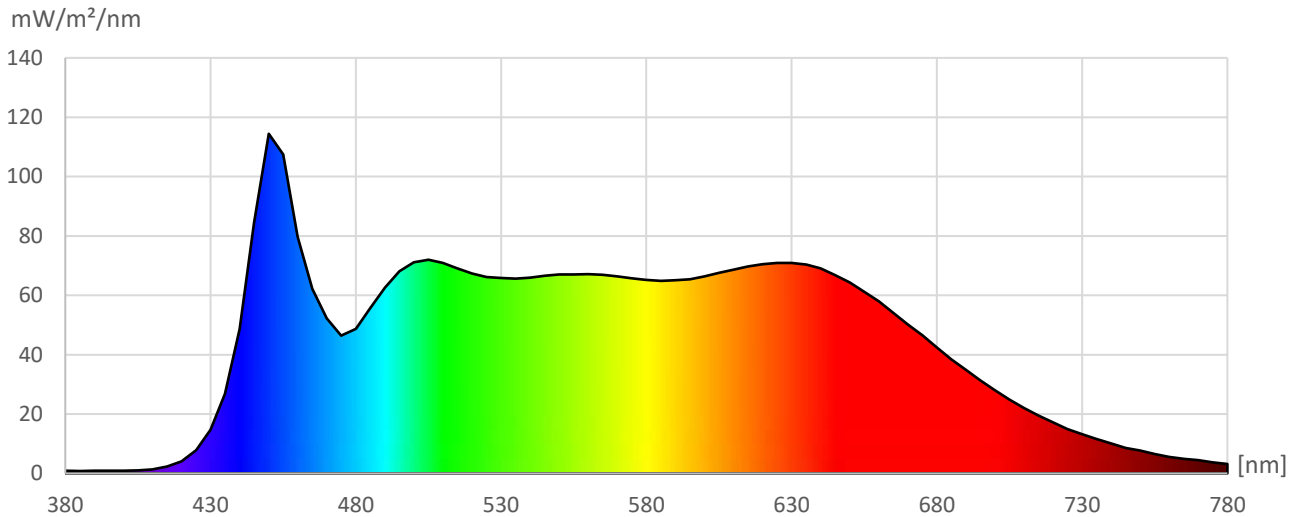
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0.88	440	48.68	500	71.13	560	67.12	620	70.48	680	42.44	740	10.06
385	0.84	445	84.50	505	71.99	565	66.93	625	70.93	685	38.49	745	8.51
390	0.91	450	114.43	510	70.86	570	66.37	630	70.91	690	34.85	750	7.70
395	0.86	455	107.44	515	69.09	575	65.76	635	70.34	695	31.33	755	6.51
400	0.93	460	79.77	520	67.37	580	65.24	640	69.09	700	27.96	760	5.53
405	0.97	465	62.14	525	66.11	585	64.83	645	66.86	705	24.86	765	4.89
410	1.30	470	52.28	530	65.80	590	65.06	650	64.37	710	22.06	770	4.42
415	2.27	475	46.42	535	65.61	595	65.38	655	61.24	715	19.46	775	3.66
420	4.00	480	48.68	540	65.98	600	66.37	660	58.00	720	17.22	780	3.20
425	7.84	485	55.68	545	66.62	605	67.53	665	54.05	725	14.93		
430	14.68	490	62.59	550	67.00	610	68.68	670	50.18	730	13.15		
435	26.77	495	68.13	555	67.07	615	69.72	675	46.52	735	11.55		

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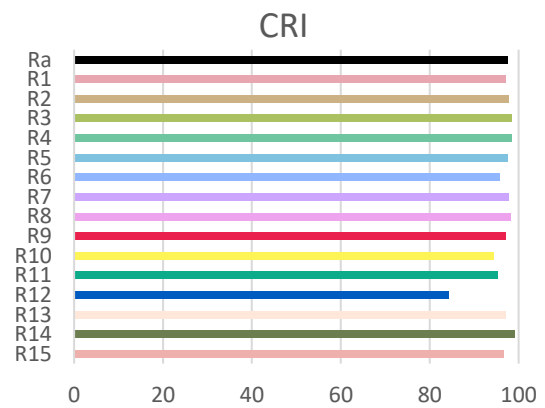
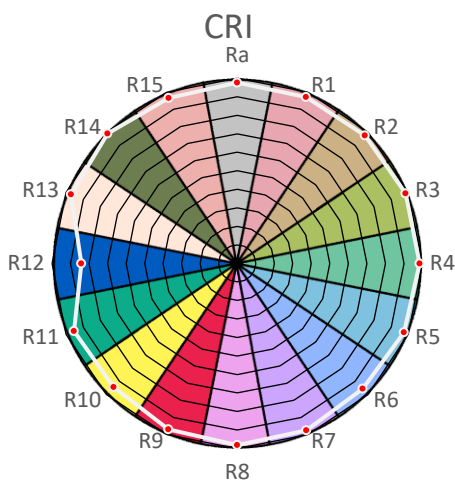
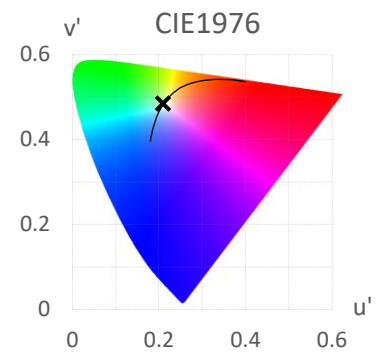
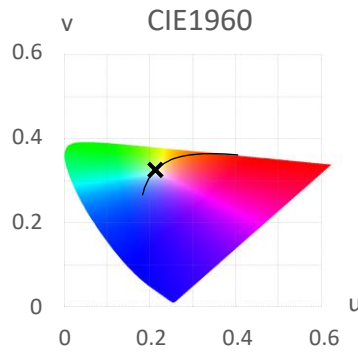
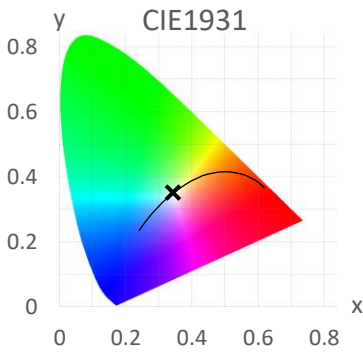
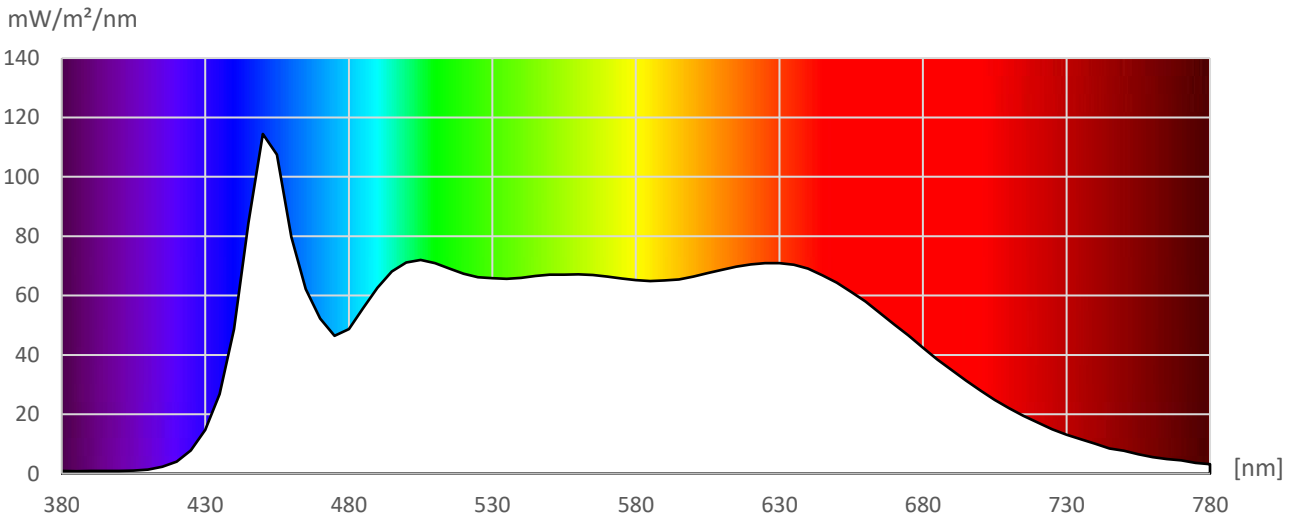
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0.88	535	65.61	690	34.85								
385	0.84	540	65.98	695	31.33								
390	0.91	545	66.62	700	27.96								
395	0.86	550	67.00	705	24.86								
400	0.93	555	67.07	710	22.06								
405	0.97	560	67.12	715	19.46								
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430	14.68	585	64.83	740	10.06								
435	26.77	590	65.06	745	8.51								
440	48.68	595	65.38	750	7.70								
445	84.50	600	66.37	755	6.51								
450	114.43	605	67.53	760	5.53								
455	107.44	610	68.68	765	4.89								
460	79.77	615	69.72	770	4.42								
465	62.14	620	70.48	775	3.66								
470	52.28	625	70.93	780	3.20								
475	46.42	630	70.91										
480	48.68	635	70.34										
485	55.68	640	69.09										
490	62.59	645	66.86										
495	68.13	650	64.37										
500	71.13	655	61.24										
505	71.99	660	58.00										
510	70.86	665	54.05										
515	69.09	670	50.18										
520	67.37	675	46.52										
525	66.11	680	42.44										
530	65.80	685	38.49										

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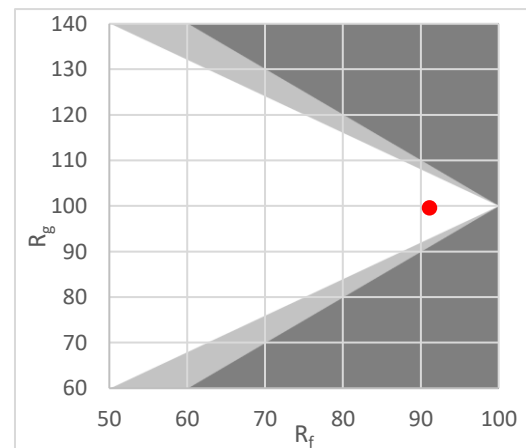
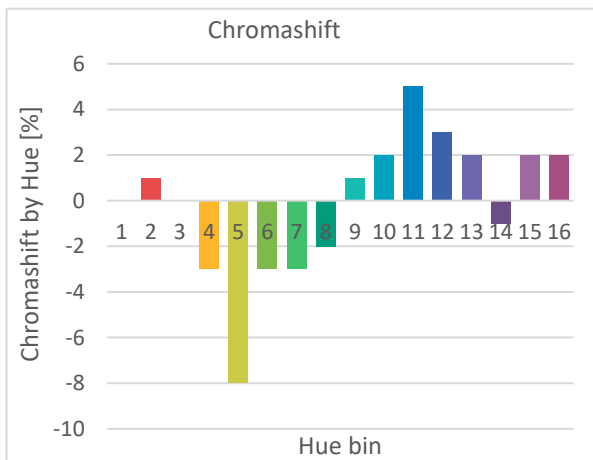
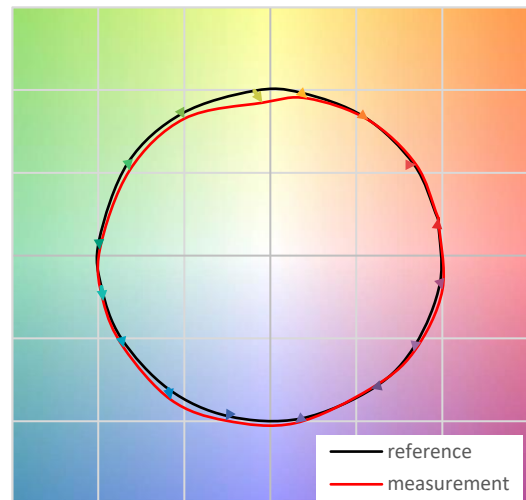
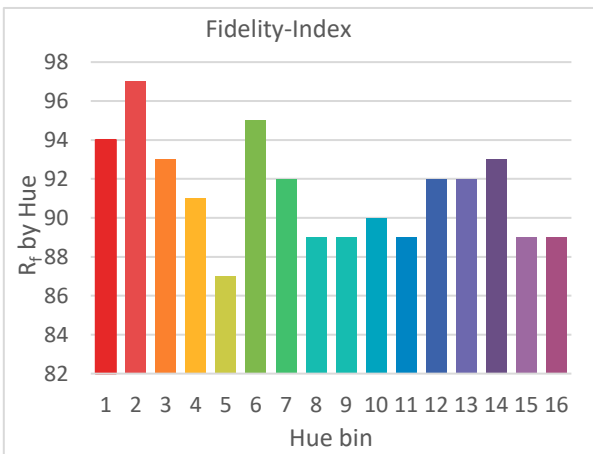
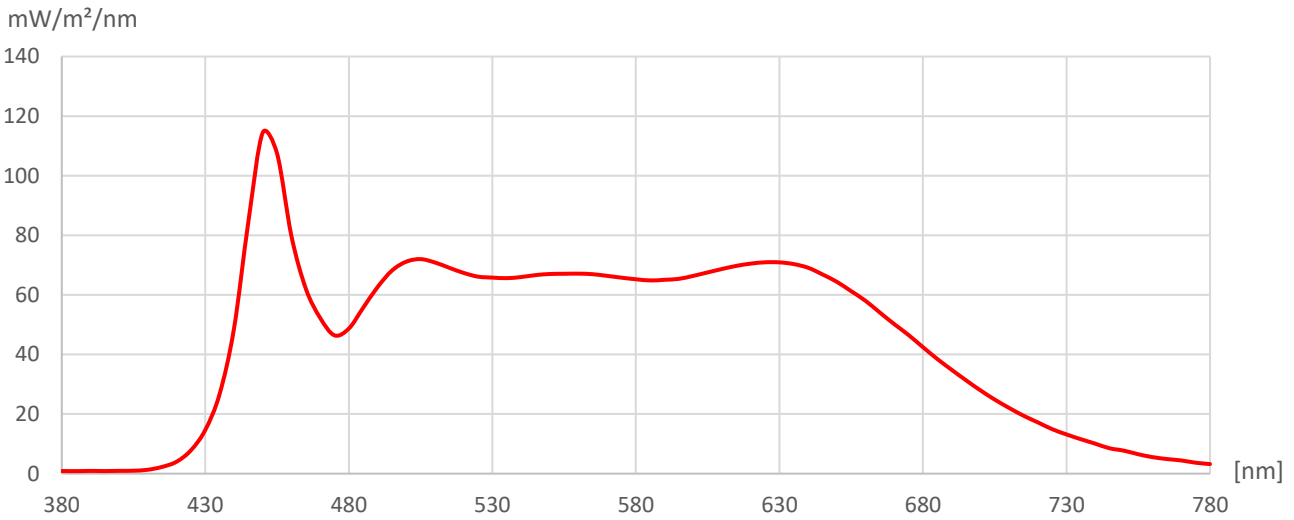


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
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 Model: UB-RS-50K95C

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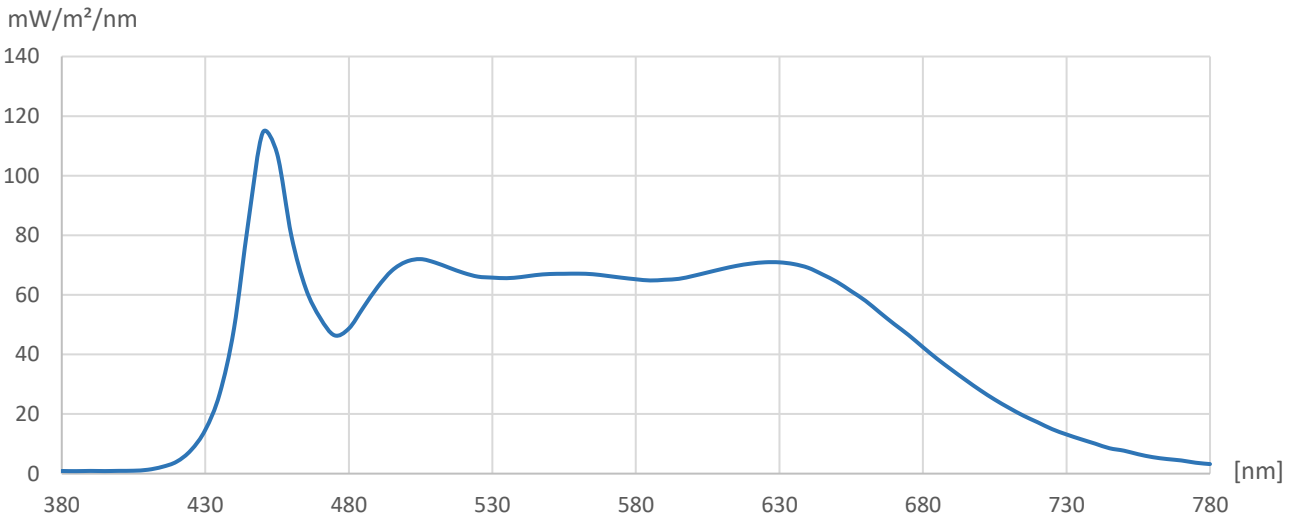


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Render Series LED Strip Light
 Model: UB-RS-50K95C

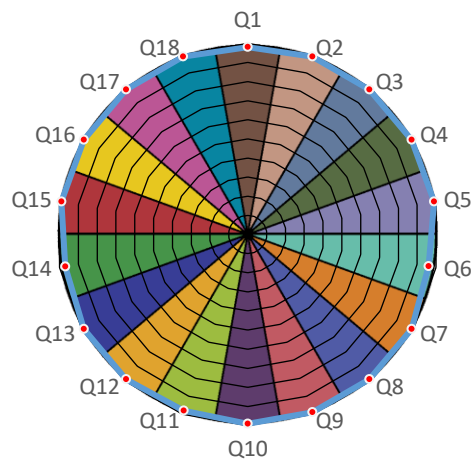
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correlated color temperature (CCT) 5,113 K
 TLCI 100

Reference Spectrum Daylight

	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	-1	0
B/M	0	0	1
M	0	0	0
M/R	0	0	0



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	98	Q7 Orange	99	Q13 Blue	99
Q2 Light skin	99	Q8 Purplish blue	99	Q14 Green	97
Q3 Blue sky	99	Q9 Moderate red	99	Q15 Red	99
Q4 Foliage	99	Q10 Purple	99	Q16 Yellow	99
Q5 Blue flower	99	Q11 Yellow green	98	Q17 Magenta	99
Q6 Bluish green	96	Q12 Orange yellow	99	Q18 Cyan	99