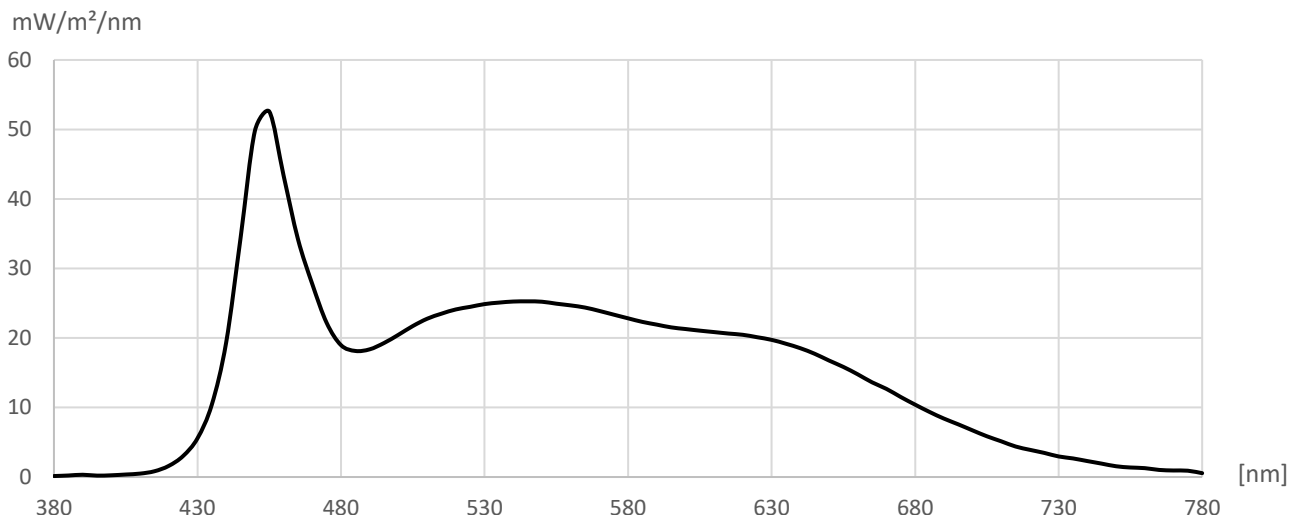


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Architectural Dynamic LED Strip Light
 Model: UB-AS-DYN276290C

Measurement file: UB-AS-DYN.CSV
 Date of measurement: 03.07.2023
 Time of measurement: 12:02:05



R1 = 94.7	Ra = 93.8	Illuminance	1,690.61 lx	CIE1931
R2 = 97.3	Re = 91.2	Ee	6.110 W/m ²	x = 0.3119
R3 = 95.5	GAI = 95.9	LER	276.7 lm/W	y = 0.3247
R4 = 92.1				
R5 = 92.3	TLCI = 94.0	Correlated Color Temperature (CCT)	6,581 K	CIE1976
R6 = 91.6		Duv	0.0014	u' = 0.1989
R7 = 95.3	PPFD			v' = 0.4659
R8 = 91.7	[μmol/m ² s]	Saturation	8.00 %	
R9 = 79.6	26.84			CIE1960
R10 = 91.1		Dominant wavelength	483 nm	u = 0.1989
R11 = 92.5		Peak wavelength	453 nm	v = 0.3106
R12 = 66.6				
R13 = 96.6		Flicker frequency	% < 1.0	TM30
R14 = 97.7		Percent Flicker	< 1.0	Rf = 88.0
R15 = 93.6		Flicker index	% < 1.0	Rg = 98.0

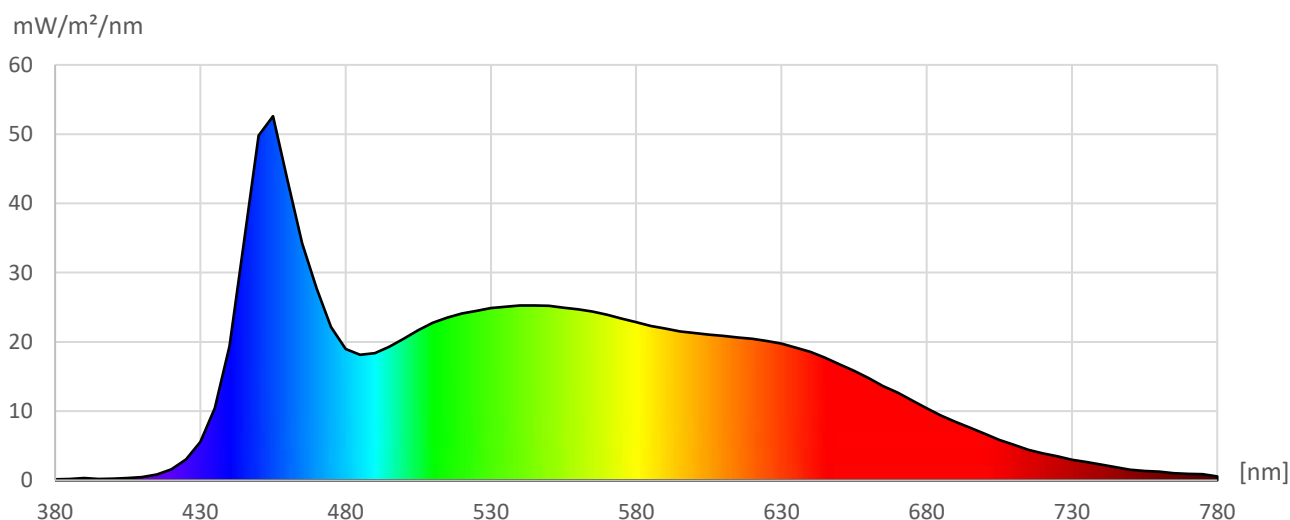
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.14	440	19.37	500	20.46	560	24.69	620	20.46	680	10.41	740	2.29
385	0.22	445	34.35	505	21.72	565	24.38	625	20.11	685	9.37	745	1.93
390	0.33	450	49.79	510	22.77	570	23.90	630	19.73	690	8.41	750	1.55
395	0.20	455	52.59	515	23.50	575	23.36	635	19.17	695	7.58	755	1.37
400	0.25	460	43.37	520	24.11	580	22.83	640	18.53	700	6.71	760	1.28
405	0.36	465	34.23	525	24.48	585	22.32	645	17.73	705	5.86	765	1.02
410	0.49	470	27.75	530	24.88	590	21.93	650	16.76	710	5.14	770	0.94
415	0.83	475	22.18	535	25.09	595	21.53	655	15.84	715	4.39	775	0.91
420	1.60	480	18.97	540	25.24	600	21.29	660	14.78	720	3.91	780	0.55
425	3.03	485	18.14	545	25.27	605	21.06	665	13.62	725	3.47		
430	5.57	490	18.37	550	25.22	610	20.85	670	12.68	730	2.96		
435	10.42	495	19.28	555	24.94	615	20.64	675	11.51	735	2.67		

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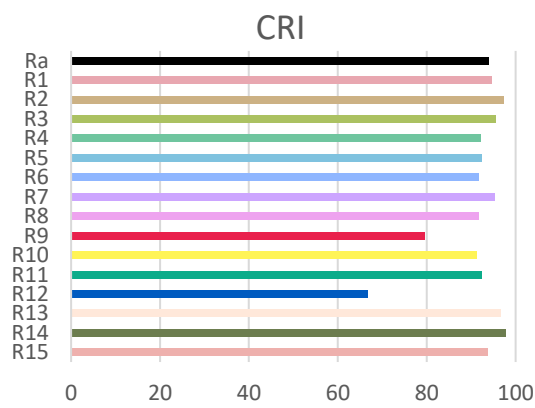
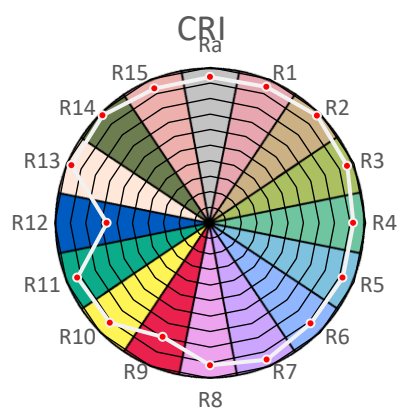
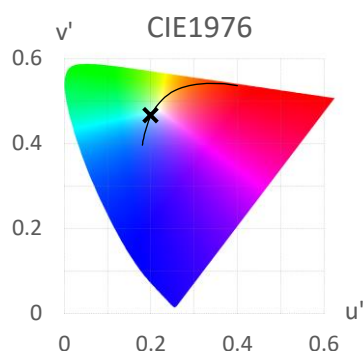
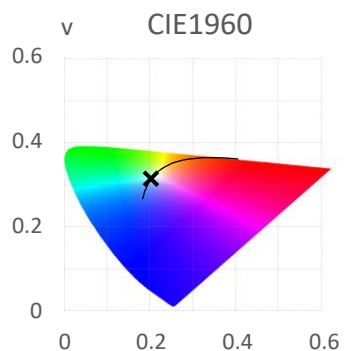
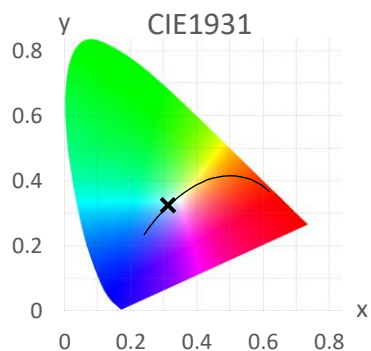
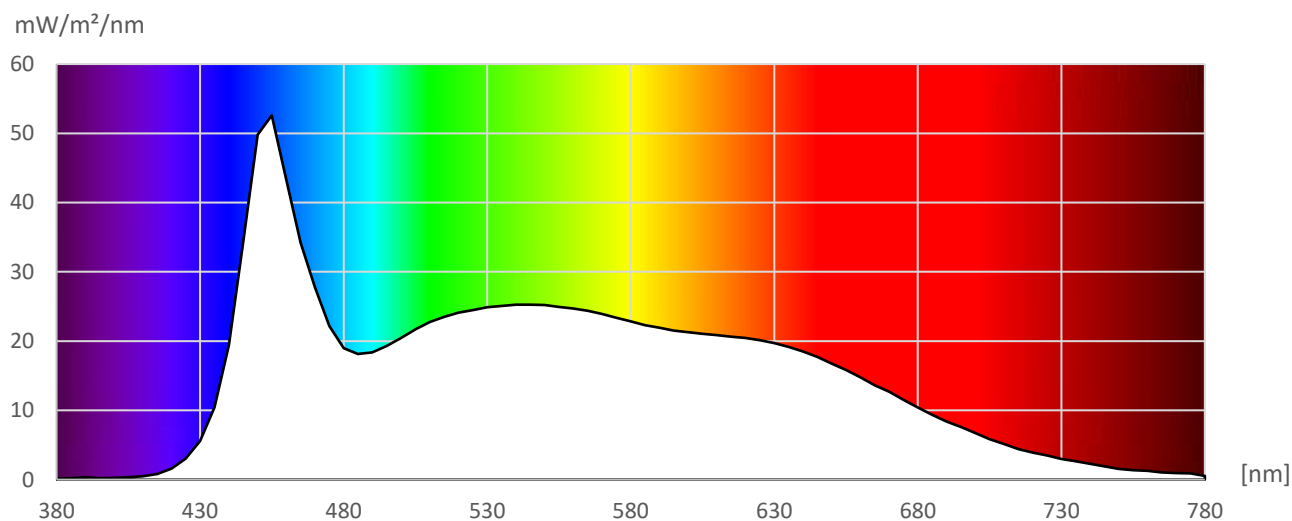
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.14	535	25.09	690	8.41								
385	0.22	540	25.24	695	7.58								
390	0.33	545	25.27	700	6.71								
395	0.20	550	25.22	705	5.86								
400	0.25	555	24.94	710	5.14								
405	0.36	560	24.69	715	4.39								
410	0.49	565	24.38	720	3.91								
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420	1.60	575	23.36	730	2.96								
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465	34.23	620	20.46	775	0.91								
470	27.75	625	20.11	780	0.55								
475	22.18	630	19.73										
480	18.97	635	19.17										
485	18.14	640	18.53										
490	18.37	645	17.73										
495	19.28	650	16.76										
500	20.46	655	15.84										
505	21.72	660	14.78										
510	22.77	665	13.62										
515	23.50	670	12.68										
520	24.11	675	11.51										
525	24.48	680	10.41										
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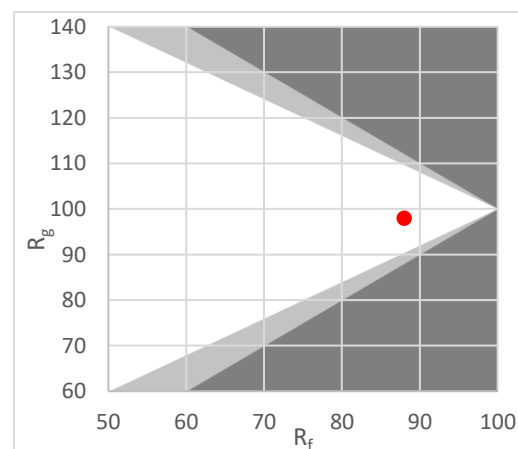
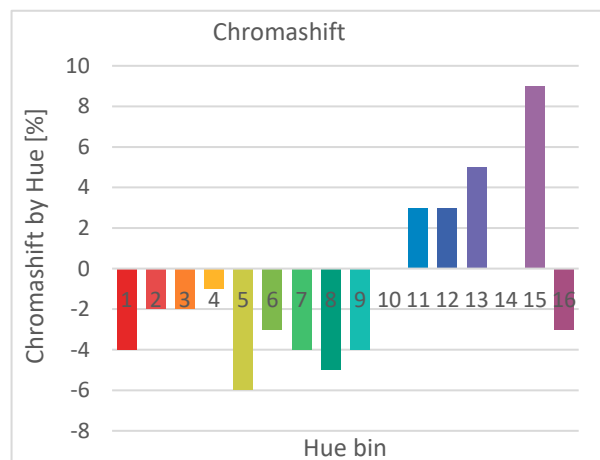
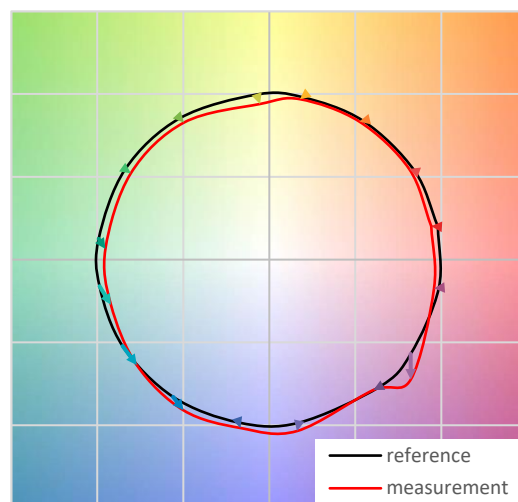
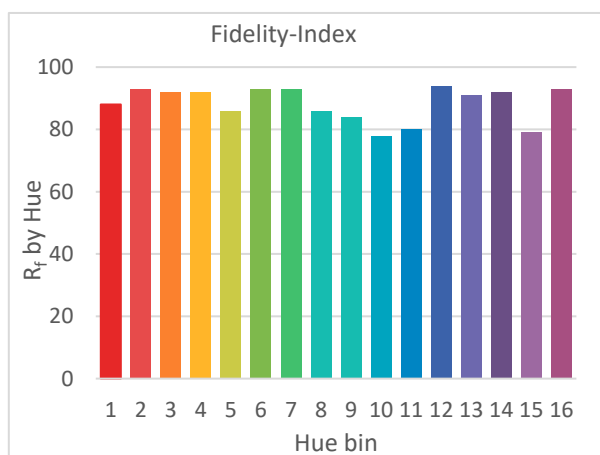
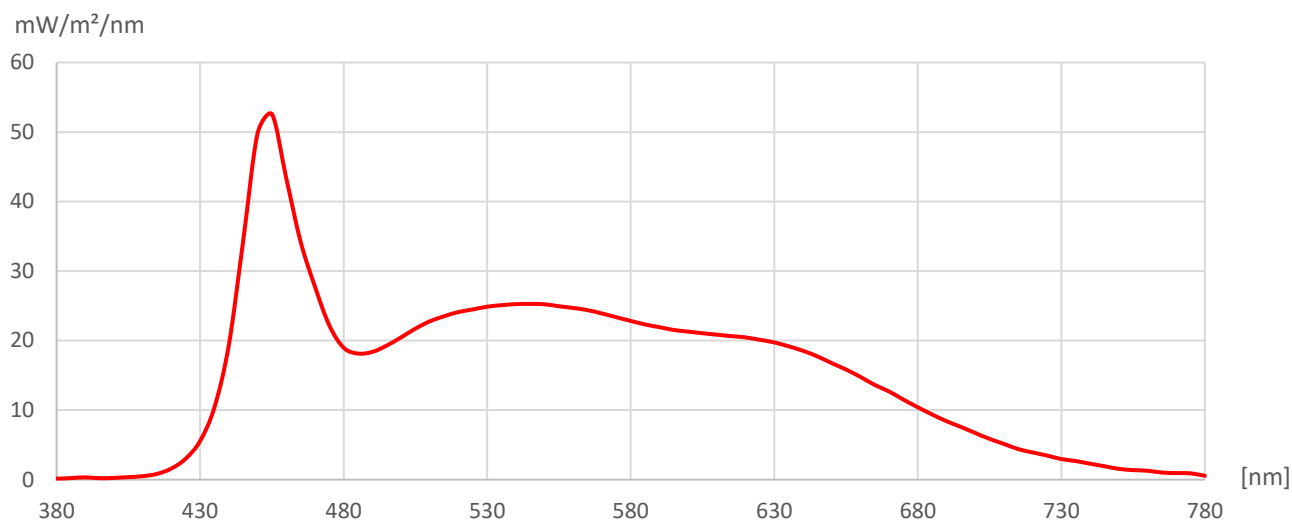


Measurement Protocol



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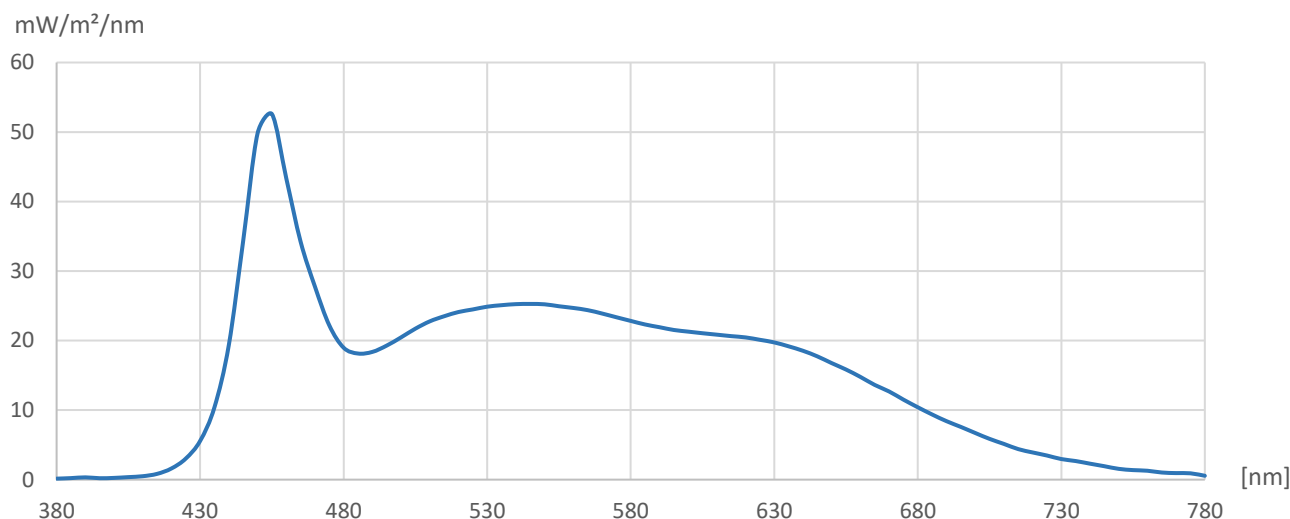


Measurement Protocol



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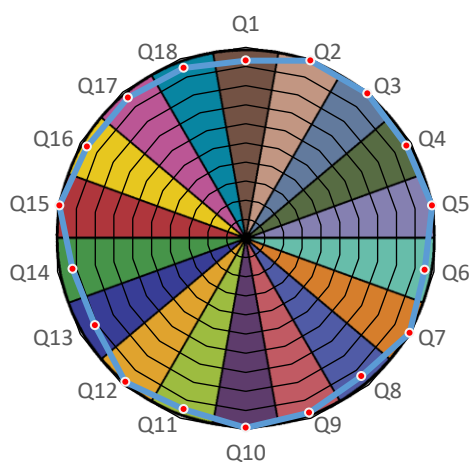
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correlated color temperature (CCT) 6,581 K
 TLCI 94

Reference Spectrum Daylight

	Lightness	Chroma	Hue
R	1	0	0
R/Y	0	0	-1
Y	0	0	-1
Y/G	0	0	-1
G	0	0	-1
G/C	0	0	-1
C	0	0	-1
C/B	0	0	-2
B	0	-2	-1
B/M	0	-1	0
M	0	0	0
M/R	1	0	0



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	93	Q7 Orange	99	Q13 Blue	91
Q2 Light skin	99	Q8 Purplish blue	94	Q14 Green	92
Q3 Blue sky	99	Q9 Moderate red	97	Q15 Red	99
Q4 Foliage	97	Q10 Purple	99	Q16 Yellow	96
Q5 Blue flower	99	Q11 Yellow green	95	Q17 Magenta	96
Q6 Bluish green	95	Q12 Orange yellow	98	Q18 Cyan	95