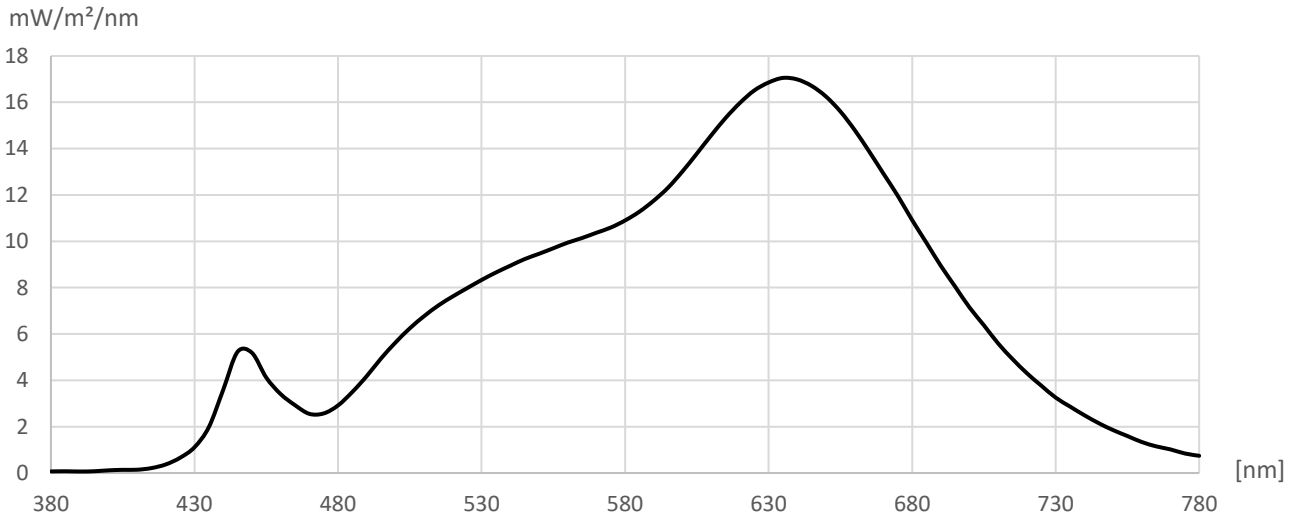


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Accent Dynamic LED Strip Light
 Model: UB-AT1-DYN276295C

Measurement file: UB-AT1-DYN.CSV
 Date of measurement: 03.07.2023
 Time of measurement: 12:46:23



R1 = 99.2	Ra = 97.8	Illuminance	741.46 lx	CIE1931
R2 = 98.5	Re = 96.7	Ee	2.824 W/m ²	x = 0.4550
R3 = 94.1	GAI = 50.2	LER	262.6 lm/W	y = 0.4131
R4 = 96.1				
R5 = 99.2	TLCI = 98.0	Correlated Color Temperature (CCT)	2,788 K	CIE1976
R6 = 98.6		Duv	0.0014	u' = 0.2583
R7 = 98.3	PPFD			v' = 0.5276
R8 = 98.3	[μmol/m ² s]	Saturation	60.20 %	
R9 = 93.3	12.85			CIE1960
R10 = 95.0		Dominant wavelength	583 nm	u = 0.2583
R11 = 93.8		Peak wavelength	636 nm	v = 0.3517
R12 = 91.5				
R13 = 99.7		Flicker frequency	% < 1.0	TM30
R14 = 95.7		Percent Flicker	< 1.0	Rf = 95.7
R15 = 98.8		Flicker index	% < 1.0	Rg = 102.0

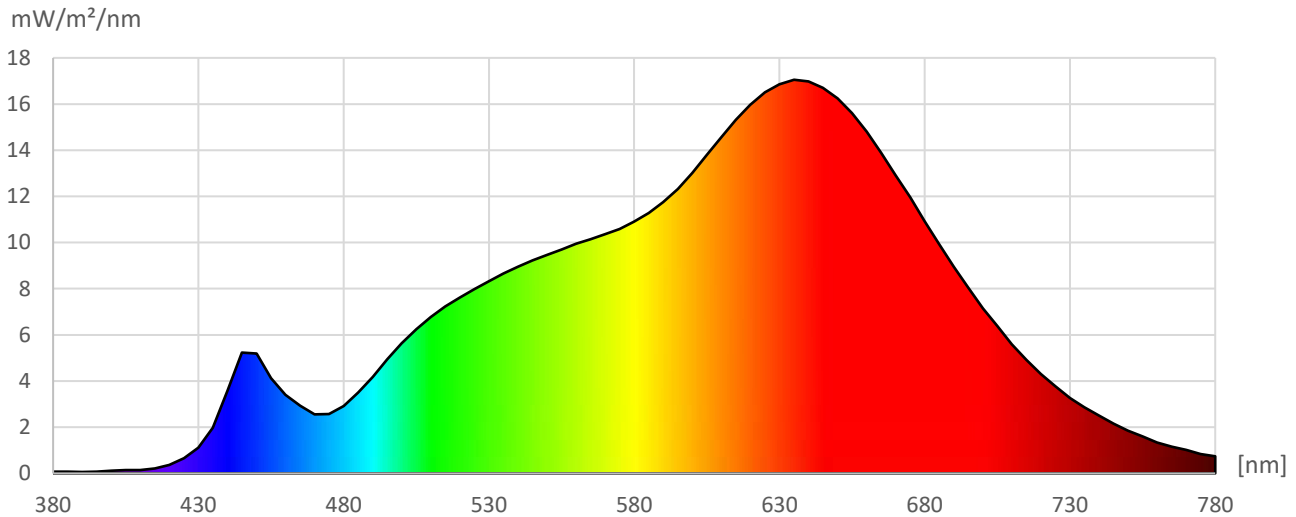
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.07	440	3.59	500	5.63	560	9.94	620	15.97	680	10.92	740	2.50
385	0.08	445	5.23	505	6.24	565	10.14	625	16.51	685	9.94	745	2.15
390	0.07	450	5.19	510	6.77	570	10.37	630	16.85	690	8.94	750	1.85
395	0.08	455	4.12	515	7.23	575	10.59	635	17.05	695	8.04	755	1.60
400	0.12	460	3.41	520	7.62	580	10.90	640	16.99	700	7.14	760	1.34
405	0.14	465	2.93	525	7.98	585	11.28	645	16.71	705	6.38	765	1.15
410	0.14	470	2.55	530	8.33	590	11.76	650	16.25	710	5.59	770	1.02
415	0.21	475	2.57	535	8.65	595	12.32	655	15.61	715	4.91	775	0.84
420	0.37	480	2.92	540	8.95	600	13.02	660	14.80	720	4.30	780	0.74
425	0.66	485	3.50	545	9.23	605	13.78	665	13.89	725	3.77		
430	1.11	490	4.18	550	9.46	610	14.57	670	12.92	730	3.26		
435	1.98	495	4.95	555	9.70	615	15.32	675	11.97	735	2.87		

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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	0.07	535	8.65	690	8.94								
385	0.08	540	8.95	695	8.04								
390	0.07	545	9.23	700	7.14								
395	0.08	550	9.46	705	6.38								
400	0.12	555	9.70	710	5.59								
405	0.14	560	9.94	715	4.91								
410	0.14	565	10.14	720	4.30								
415	0.21	570	10.37	725	3.77								
420	0.37	575	10.59	730	3.26								
425	0.66	580	10.90	735	2.87								
430	1.11	585	11.28	740	2.50								
435	1.98	590	11.76	745	2.15								
440	3.59	595	12.32	750	1.85								
445	5.23	600	13.02	755	1.60								
450	5.19	605	13.78	760	1.34								
455	4.12	610	14.57	765	1.15								
460	3.41	615	15.32	770	1.02								
465	2.93	620	15.97	775	0.84								
470	2.55	625	16.51	780	0.74								
475	2.57	630	16.85										
480	2.92	635	17.05										
485	3.50	640	16.99										
490	4.18	645	16.71										
495	4.95	650	16.25										
500	5.63	655	15.61										
505	6.24	660	14.80										
510	6.77	665	13.89										
515	7.23	670	12.92										
520	7.62	675	11.97										
525	7.98	680	10.92										
530	8.33	685	9.94										

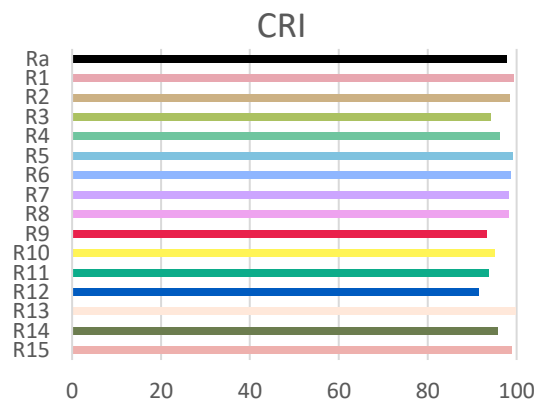
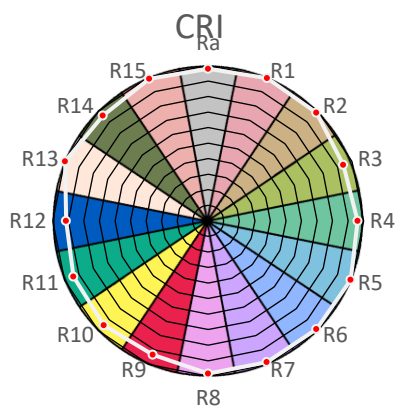
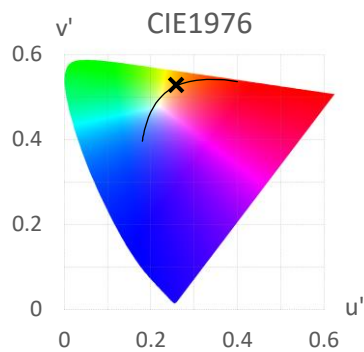
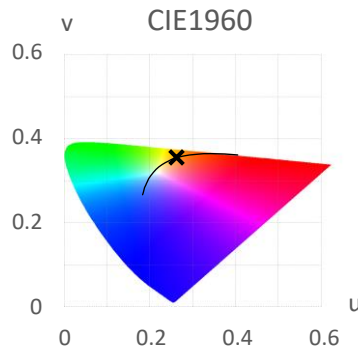
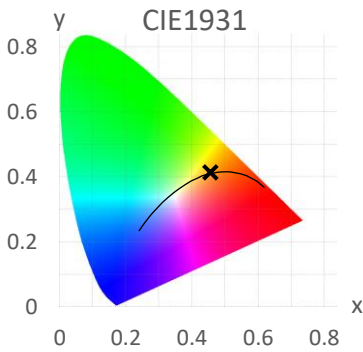
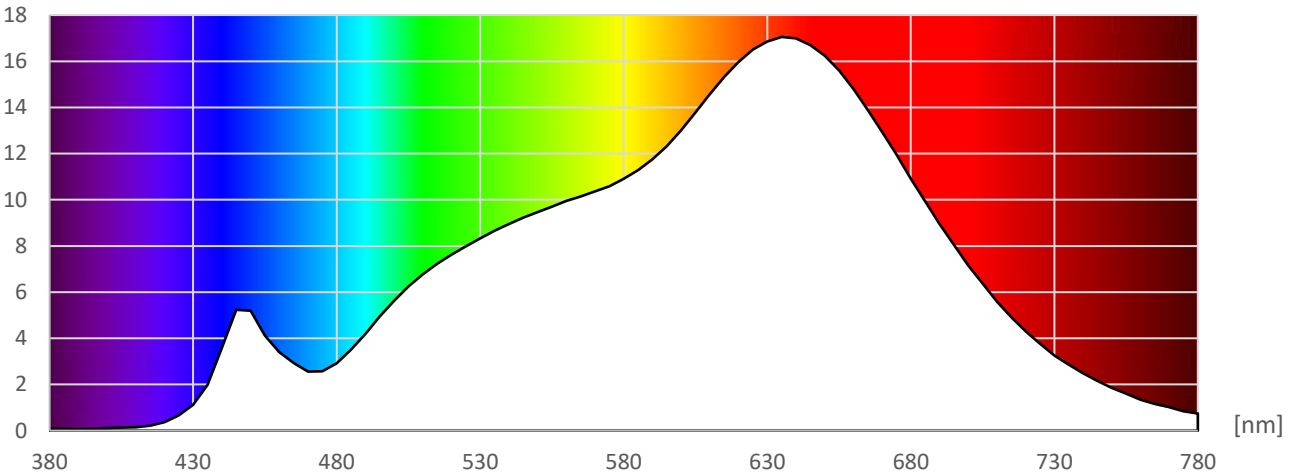
Measurement Protocol



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mW/m²/nm

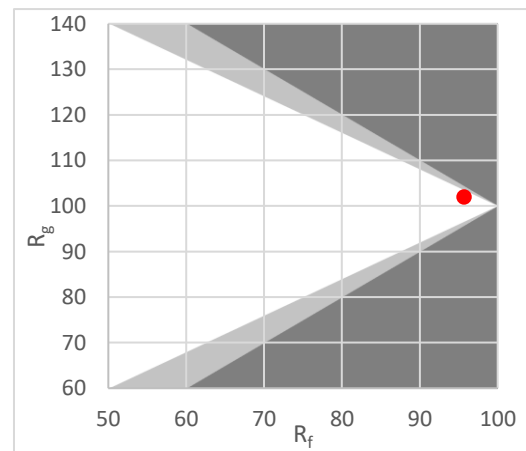
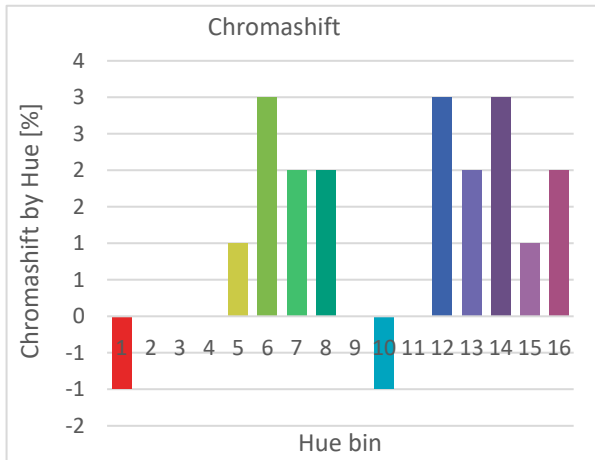
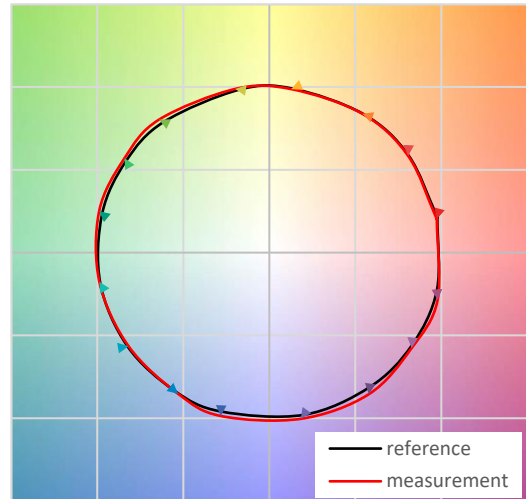
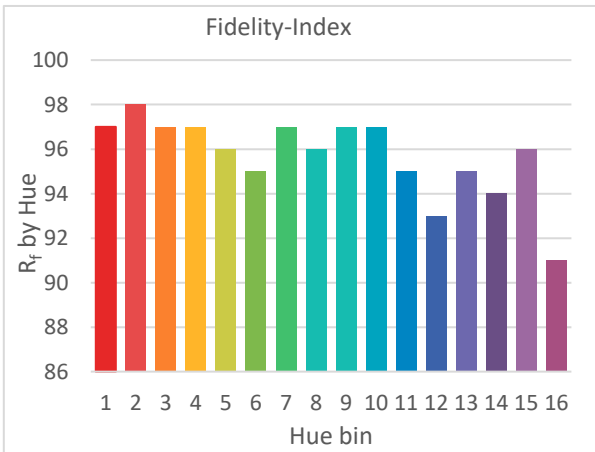
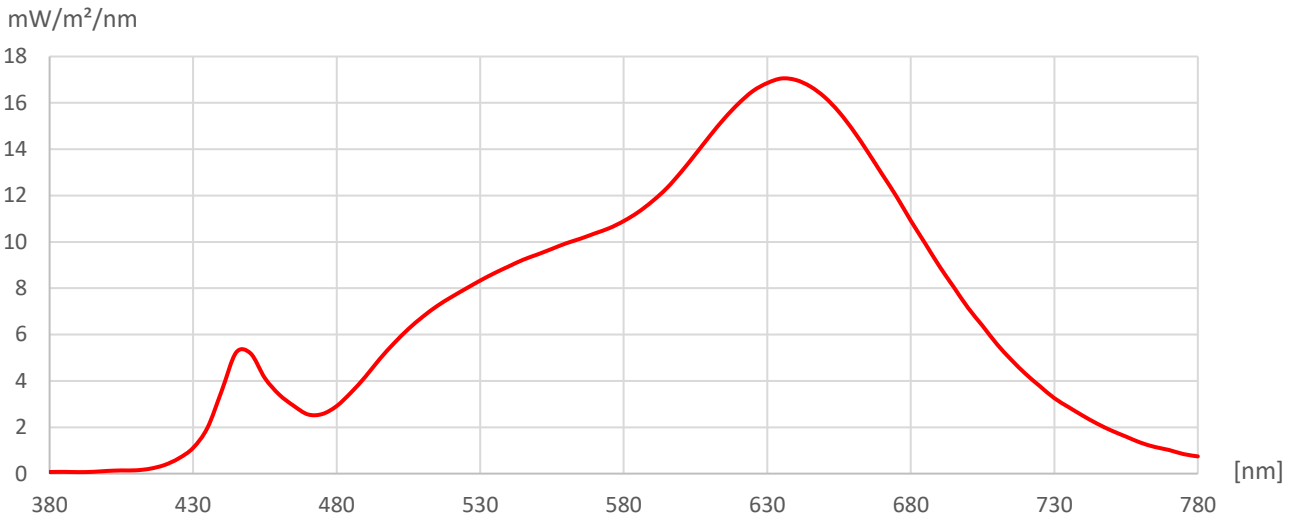


Measurement Protocol



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 Model: UB-AT1-DYN276295C

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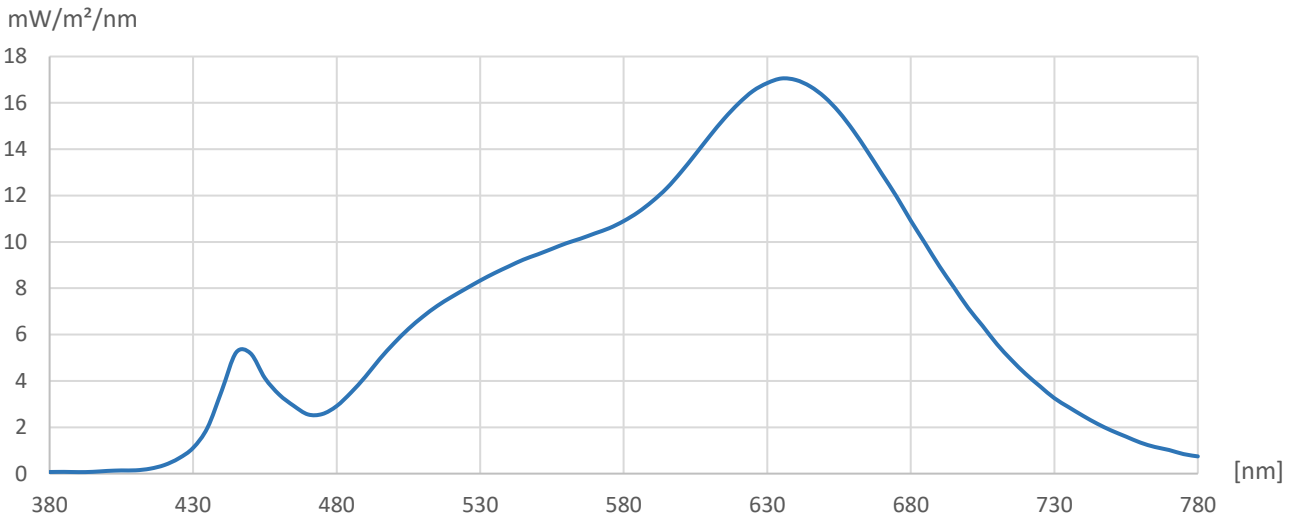


Measurement Protocol



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 Type: UltraBright™ Accent Dynamic LED Strip Light
 Model: UB-AT1-DYN276295C

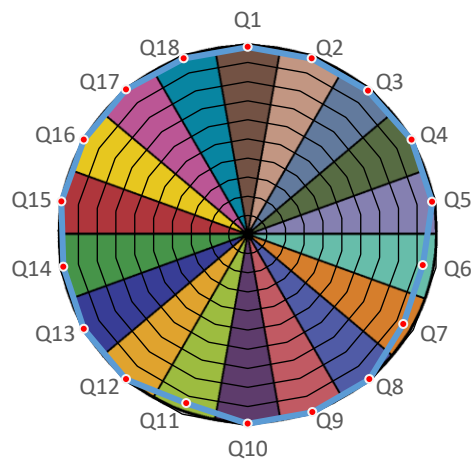
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correlated color temperature (CCT) 2,788 K
 TLCI 98

Reference Spectrum Plank

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



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