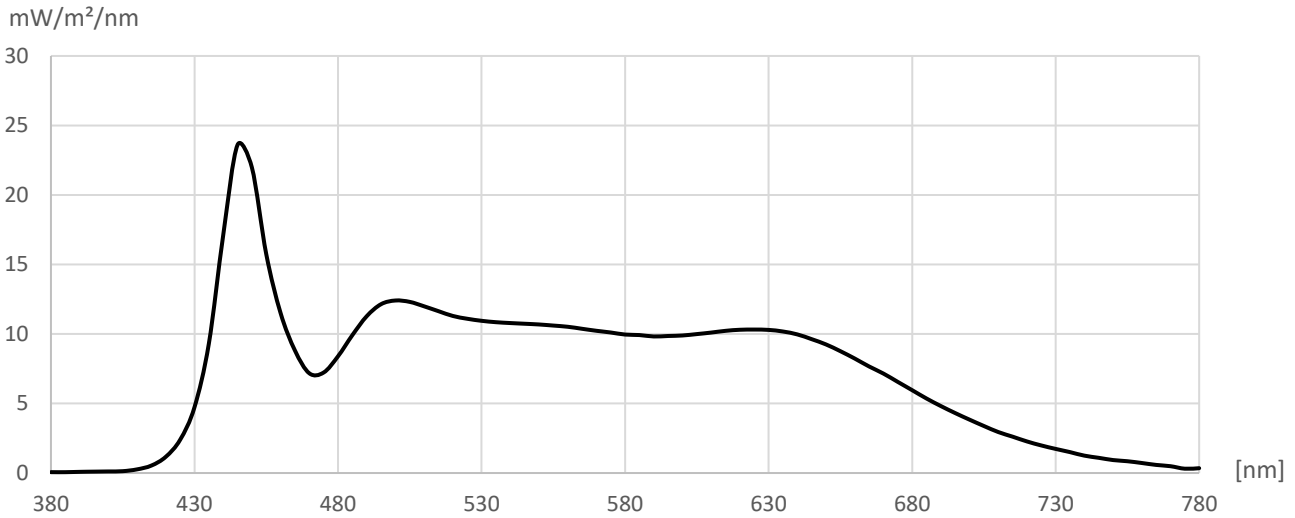


# Measurement Protocol



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: 12:47:11



R1 = 95.4	Ra = 95.8	Illuminance	770.10 lx	CIE1931
R2 = 98.2	Re = 94.5	Ee	2.929 W/m <sup>2</sup>	x = 0.3179
R3 = 96.3	GAI = 102.9	LER	262.9 lm/W	y = 0.3248
R4 = 92.4				
R5 = 96.0	TLCI = 100.0	Correlated Color Temperature (CCT)	6,250 K	CIE1976
R6 = 96.1		Duv	-0.0016	u' = 0.2031
R7 = 96.7	PPFD			v' = 0.4668
R8 = 95.0	[μmol/m <sup>2</sup> s]	Saturation	6.00 %	
R9 = 87.4	12.86			CIE1960
R10 = 96.8		Dominant wavelength	481 nm	u = 0.2031
R11 = 89.0		Peak wavelength	446 nm	v = 0.3112
R12 = 89.0				
R13 = 96.2		Flicker frequency	% < 1.0	TM30
R14 = 97.8		Percent Flicker	< 1.0	Rf = 94.5
R15 = 94.5		Flicker index	% < 1.0	Rg = 104.2

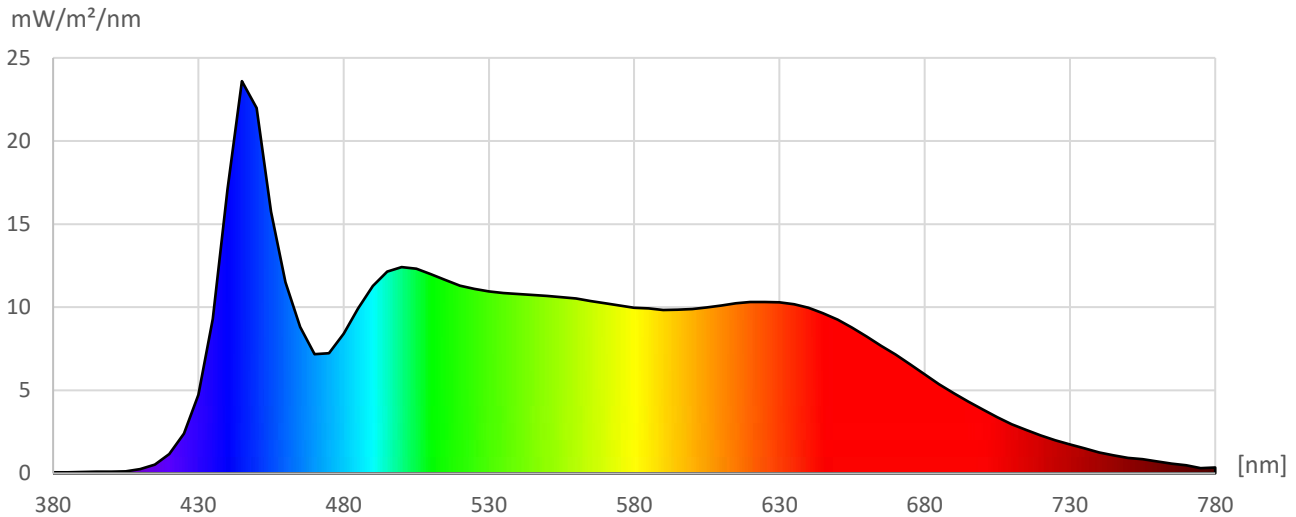
[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0.06	440	17.09	500	12.41	560	10.52	620	10.30	680	5.96	740	1.25
385	0.06	445	23.60	505	12.31	565	10.38	625	10.32	685	5.36	745	1.09
390	0.08	450	21.98	510	11.99	570	10.23	630	10.29	690	4.82	750	0.93
395	0.10	455	15.75	515	11.64	575	10.11	635	10.18	695	4.31	755	0.85
400	0.11	460	11.51	520	11.30	580	9.96	640	9.97	700	3.84	760	0.72
405	0.13	465	8.81	525	11.10	585	9.92	645	9.63	705	3.38	765	0.58
410	0.26	470	7.17	530	10.95	590	9.82	650	9.25	710	2.95	770	0.49
415	0.54	475	7.23	535	10.85	595	9.86	655	8.76	715	2.61	775	0.31
420	1.17	480	8.40	540	10.79	600	9.89	660	8.23	720	2.27	780	0.35
425	2.39	485	9.92	545	10.74	605	9.99	665	7.67	725	1.98		
430	4.73	490	11.28	550	10.69	610	10.10	670	7.15	730	1.73		
435	9.30	495	12.14	555	10.61	615	10.23	675	6.55	735	1.50		

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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	0.06	535	10.85	690	4.82								
385	0.06	540	10.79	695	4.31								
390	0.08	545	10.74	700	3.84								
395	0.10	550	10.69	705	3.38								
400	0.11	555	10.61	710	2.95								
405	0.13	560	10.52	715	2.61								
410	0.26	565	10.38	720	2.27								
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425	2.39	580	9.96	735	1.50								
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440	17.09	595	9.86	750	0.93								
445	23.60	600	9.89	755	0.85								
450	21.98	605	9.99	760	0.72								
455	15.75	610	10.10	765	0.58								
460	11.51	615	10.23	770	0.49								
465	8.81	620	10.30	775	0.31								
470	7.17	625	10.32	780	0.35								
475	7.23	630	10.29										
480	8.40	635	10.18										
485	9.92	640	9.97										
490	11.28	645	9.63										
495	12.14	650	9.25										
500	12.41	655	8.76										
505	12.31	660	8.23										
510	11.99	665	7.67										
515	11.64	670	7.15										
520	11.30	675	6.55										
525	11.10	680	5.96										
530	10.95	685	5.36										

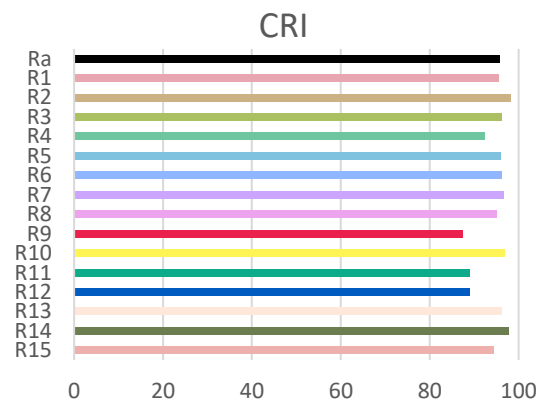
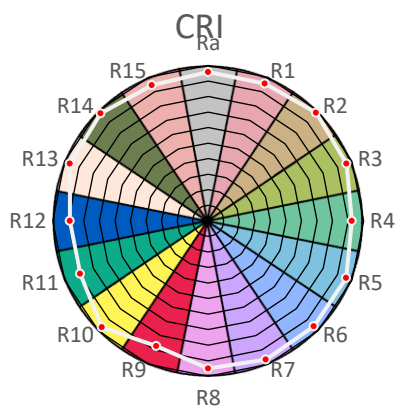
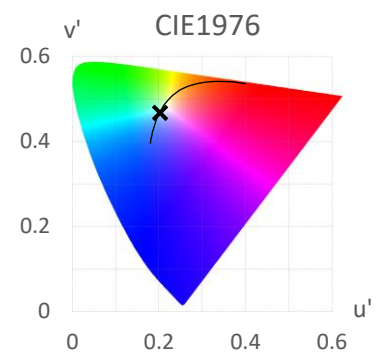
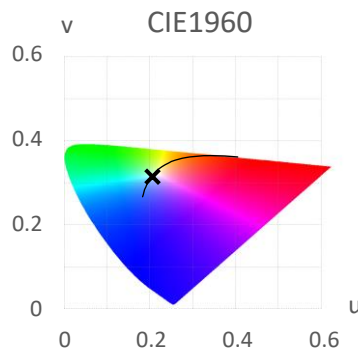
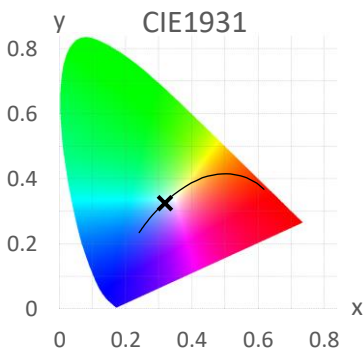
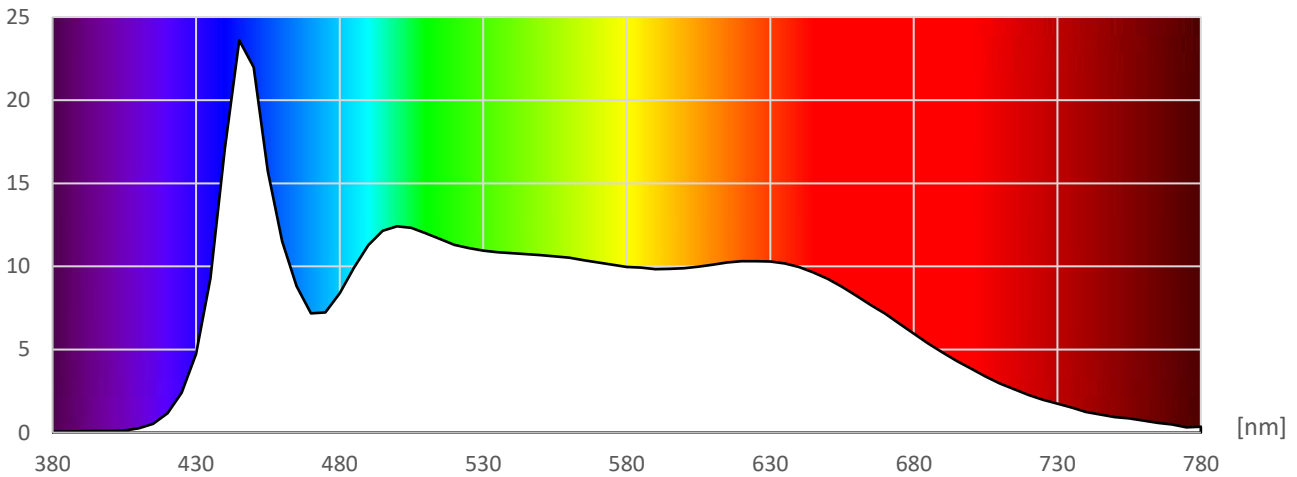
# Measurement Protocol



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mW/m<sup>2</sup>/nm

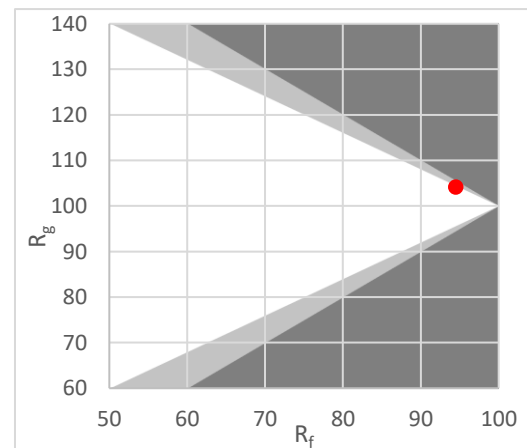
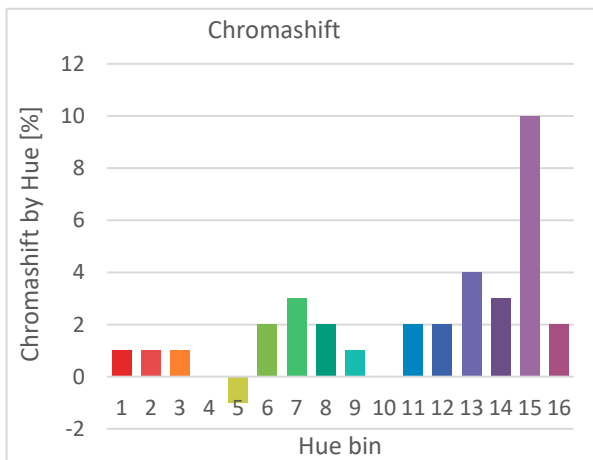
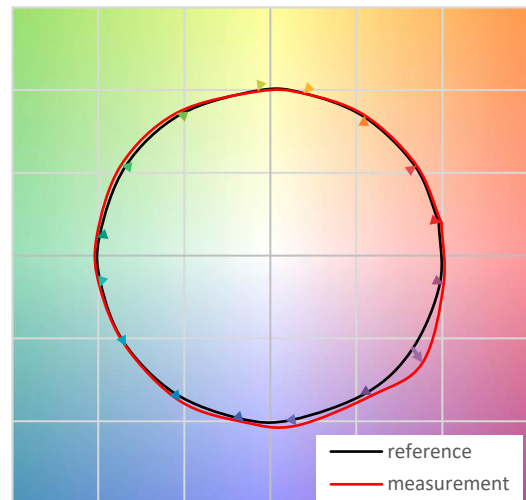
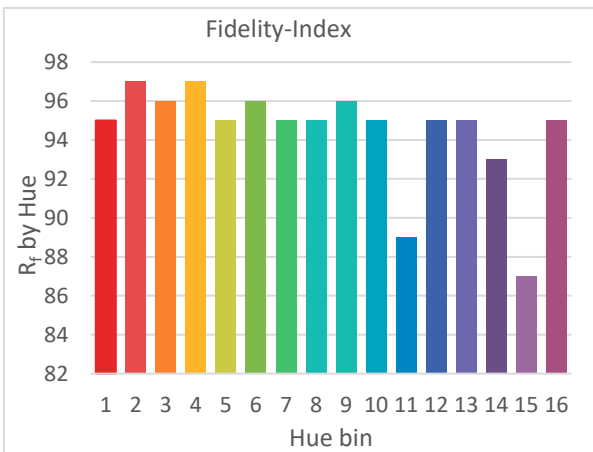
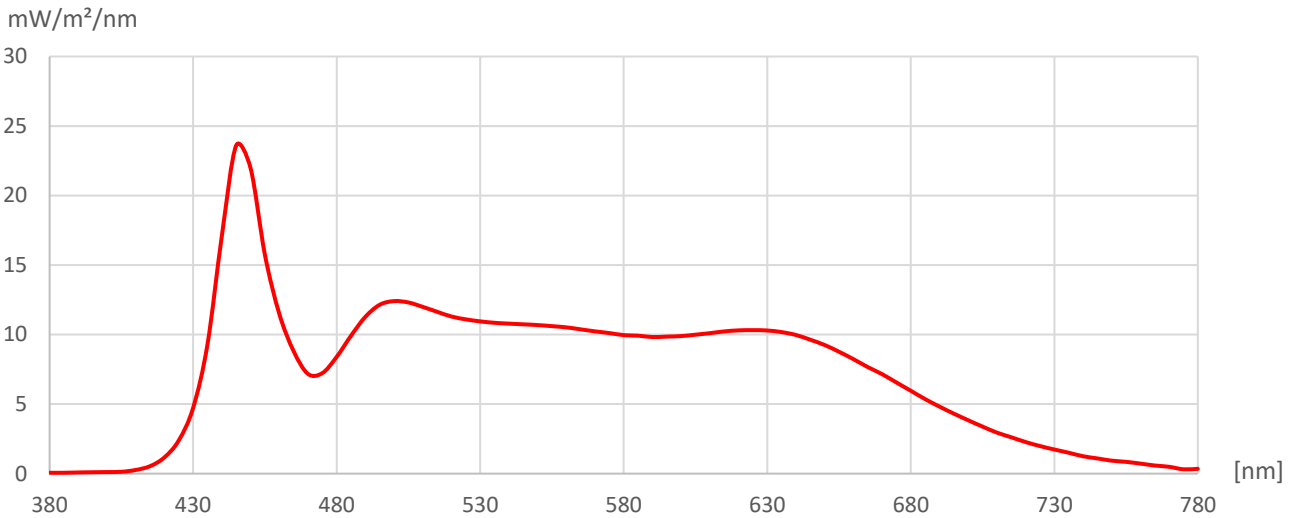


# Measurement Protocol



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

Measurement file: UB-AT1-DYN.CSV  
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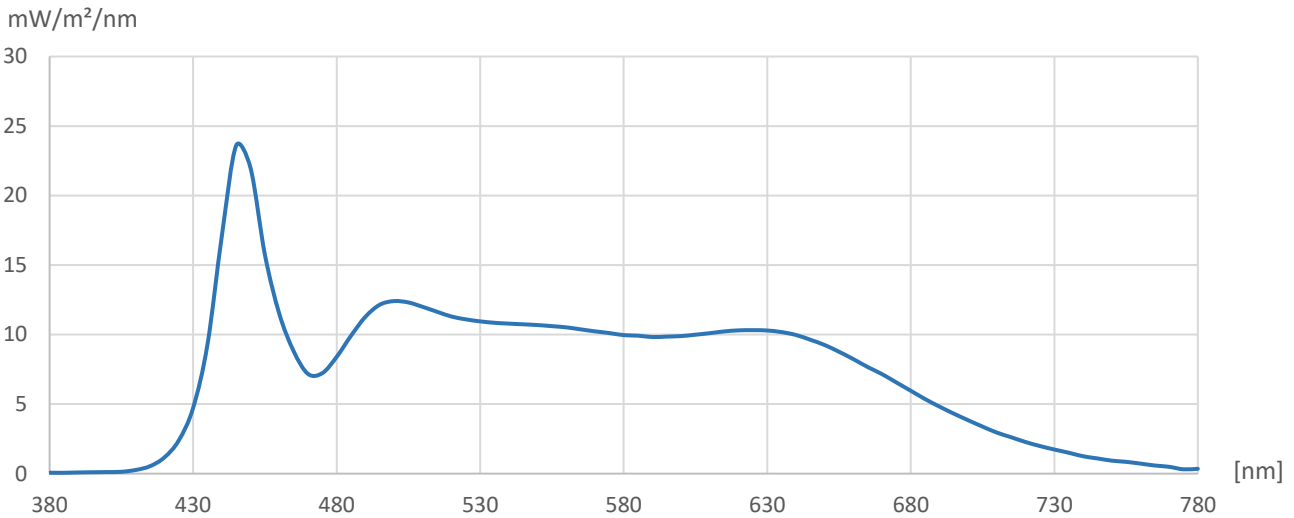


# Measurement Protocol



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

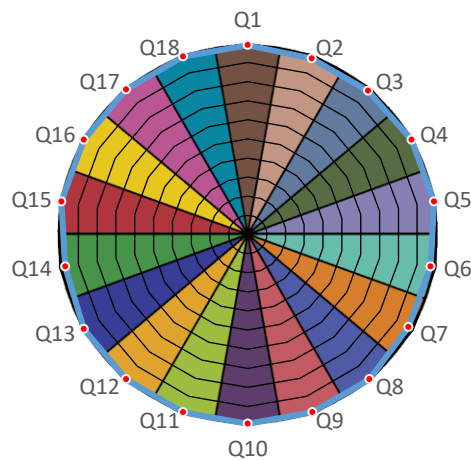
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correlated color temperature (CCT) 6,250 K  
 TLCI 100

Referencec 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	1
C/B	0	0	1
B	0	-1	0
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	99	Q7 Orange	97	Q13 Blue	99
Q2 Light skin	98	Q8 Purplish blue	99	Q14 Green	97
Q3 Blue sky	98	Q9 Moderate red	99	Q15 Red	99
Q4 Foliage	99	Q10 Purple	99	Q16 Yellow	99
Q5 Blue flower	99	Q11 Yellow green	99	Q17 Magenta	99
Q6 Bluish green	97	Q12 Orange yellow	99	Q18 Cyan	99