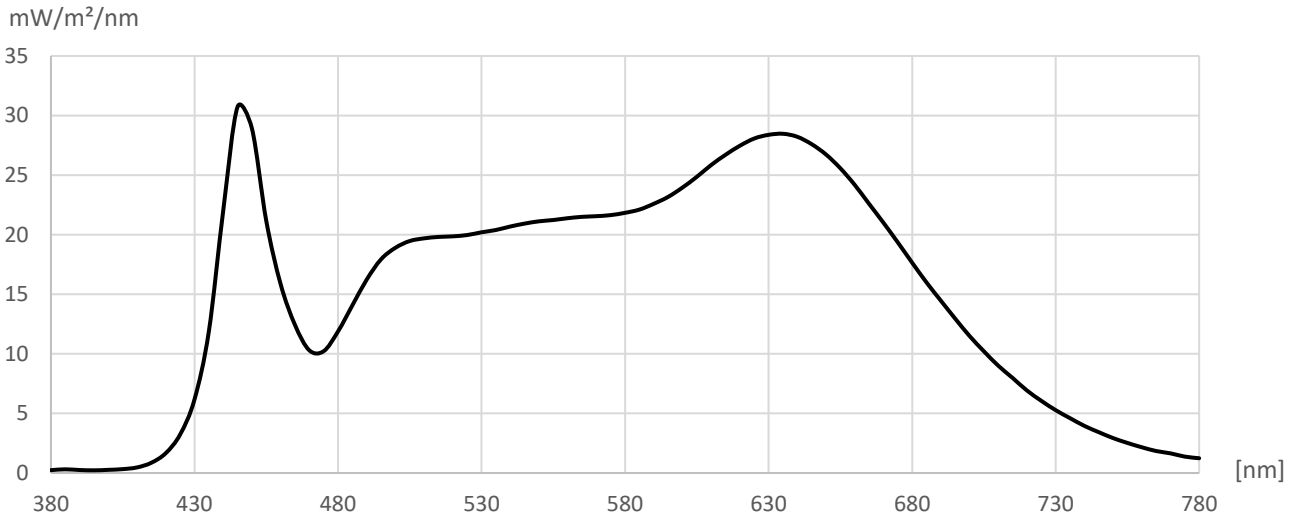


Measurement Protocol



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: 12:45:37



R1 = 93.7	Ra = 94.7	Illuminance	1,582.64 lx	CIE1931
R2 = 97.1	Re = 93.3	Ee	6.042 W/m ²	x = 0.3759
R3 = 96.2	GAI = 89.8	LER	261.9 lm/W	y = 0.3615
R4 = 91.6				
R5 = 94.0	TLCI = 98.0	Correlated Color Temperature (CCT)	4,011 K	CIE1976
R6 = 95.3		Duv	-0.0060	u' = 0.2283
R7 = 96.9	PPFD			v' = 0.4940
R8 = 93.0	[μmol/m ² s]	Saturation	21.30 %	
R9 = 83.5	26.95			CIE1960
R10 = 94.8		Dominant wavelength	582 nm	u = 0.2283
R11 = 88.3		Peak wavelength	446 nm	v = 0.3293
R12 = 91.3				
R13 = 94.3		Flicker frequency	% < 1.0	TM30
R14 = 97.3		Percent Flicker	< 1.0	Rf = 94.2
R15 = 92.1		Flicker index	% < 1.0	Rg = 105.0

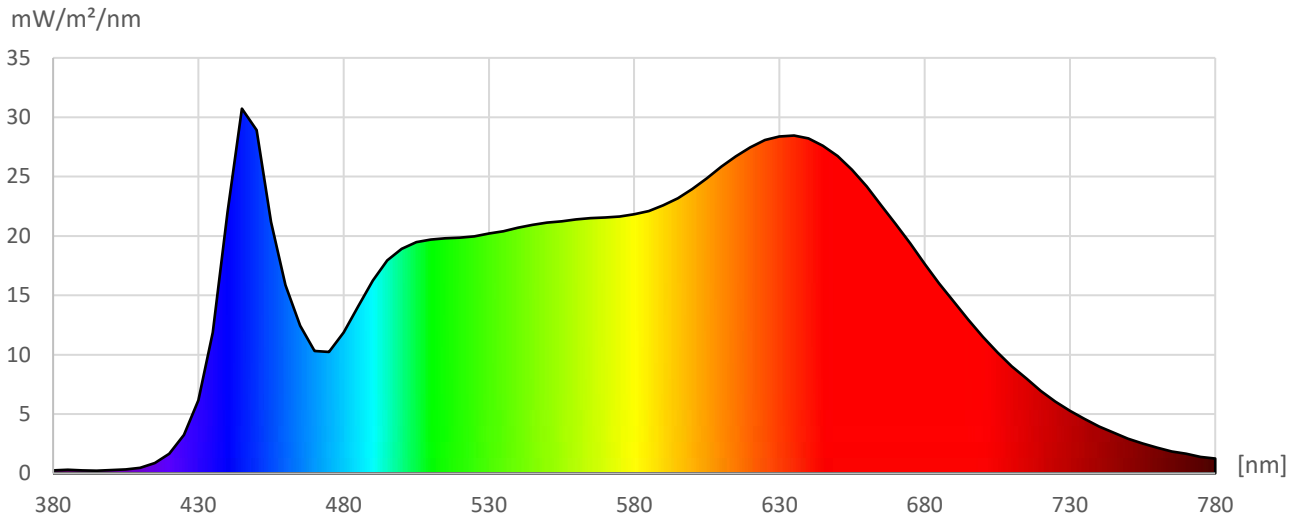
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.24	440	21.99	500	18.90	560	21.38	620	27.46	680	17.66	740	3.96
385	0.31	445	30.72	505	19.47	565	21.50	625	28.07	685	16.00	745	3.43
390	0.25	450	28.93	510	19.69	570	21.55	630	28.38	690	14.47	750	2.93
395	0.23	455	21.17	515	19.81	575	21.64	635	28.47	695	12.96	755	2.53
400	0.27	460	15.86	520	19.86	580	21.84	640	28.22	700	11.50	760	2.16
405	0.33	465	12.44	525	19.97	585	22.11	645	27.60	705	10.22	765	1.85
410	0.47	470	10.30	530	20.20	590	22.59	650	26.73	710	9.01	770	1.65
415	0.86	475	10.22	535	20.39	595	23.17	655	25.57	715	7.98	775	1.38
420	1.67	480	11.88	540	20.69	600	23.95	660	24.18	720	6.93	780	1.24
425	3.23	485	14.07	545	20.93	605	24.86	665	22.59	725	6.06		
430	6.17	490	16.23	550	21.12	610	25.85	670	21.01	730	5.28		
435	11.87	495	17.94	555	21.23	615	26.71	675	19.36	735	4.60		

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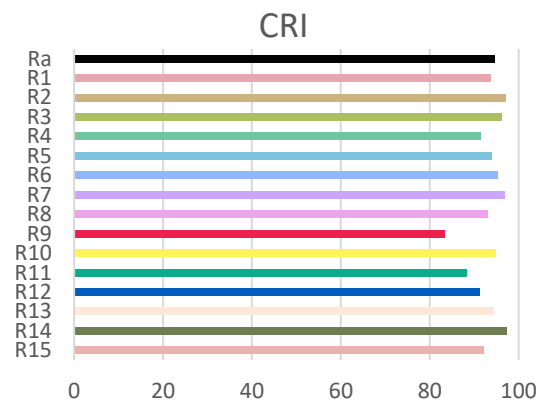
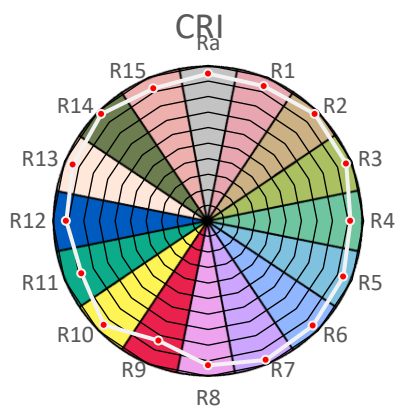
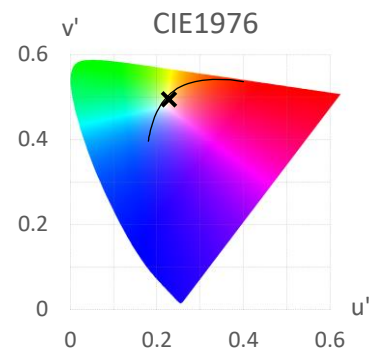
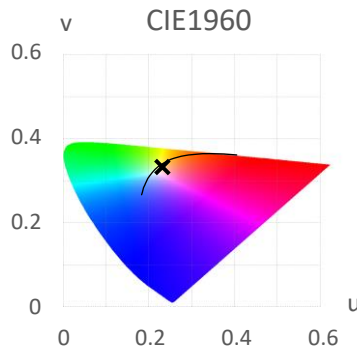
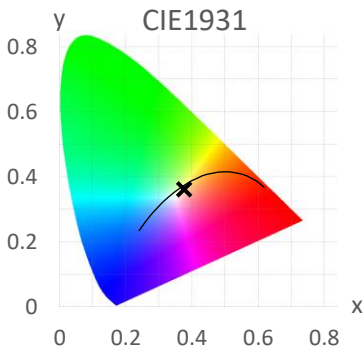
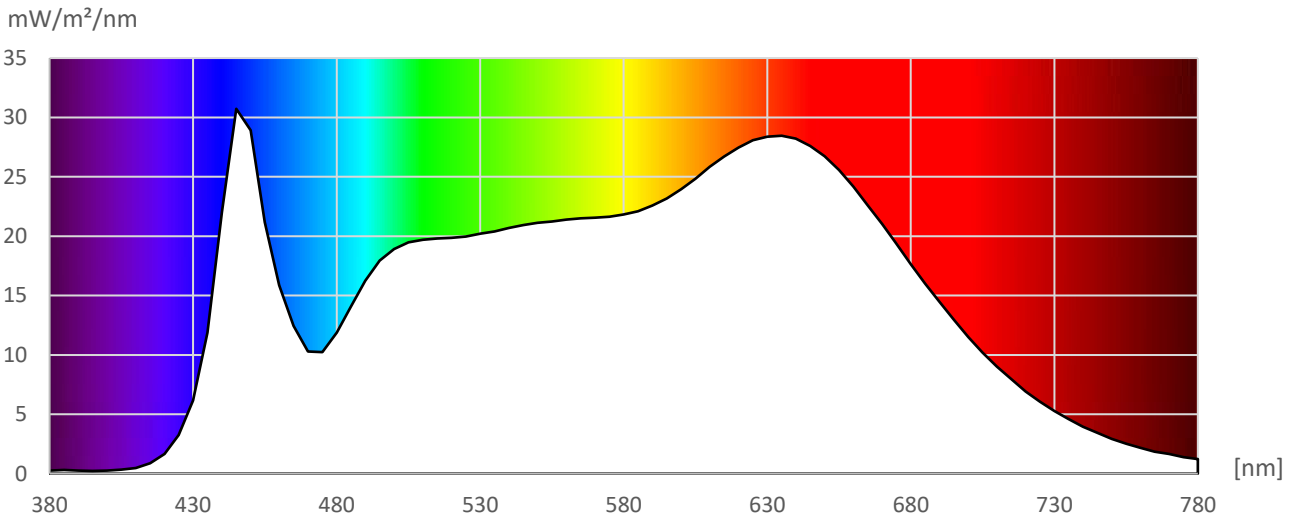
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0.24	535	20.39	690	14.47								
385	0.31	540	20.69	695	12.96								
390	0.25	545	20.93	700	11.50								
395	0.23	550	21.12	705	10.22								
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420	1.67	575	21.64	730	5.28								
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430	6.17	585	22.11	740	3.96								
435	11.87	590	22.59	745	3.43								
440	21.99	595	23.17	750	2.93								
445	30.72	600	23.95	755	2.53								
450	28.93	605	24.86	760	2.16								
455	21.17	610	25.85	765	1.85								
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475	10.22	630	28.38										
480	11.88	635	28.47										
485	14.07	640	28.22										
490	16.23	645	27.60										
495	17.94	650	26.73										
500	18.90	655	25.57										
505	19.47	660	24.18										
510	19.69	665	22.59										
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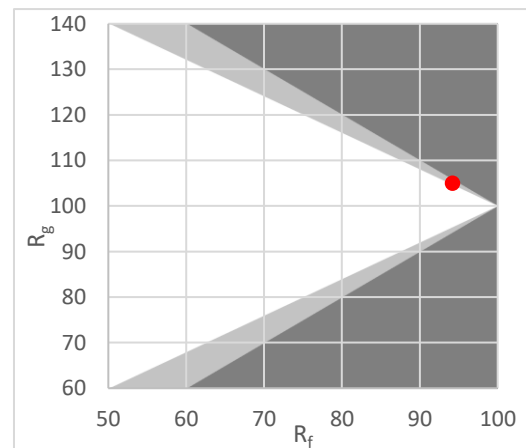
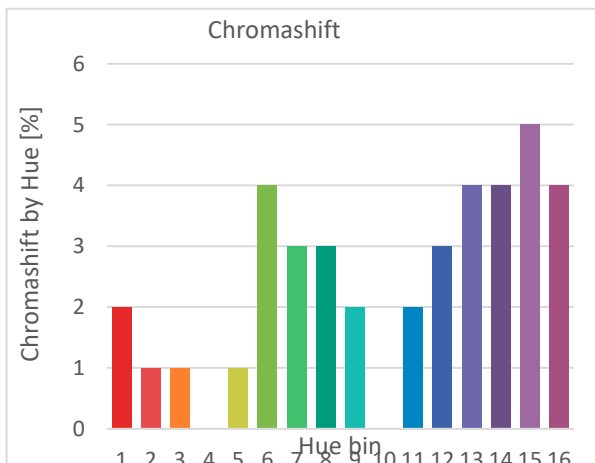
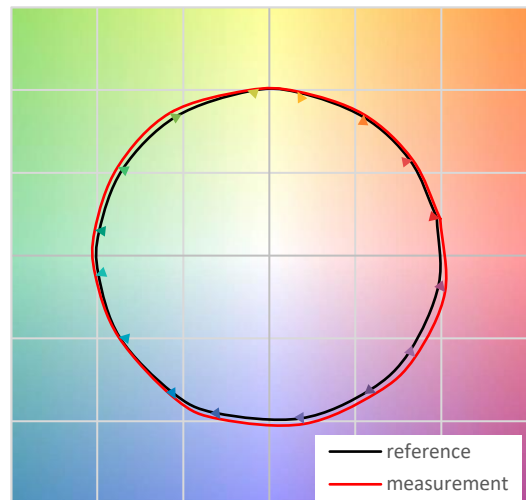
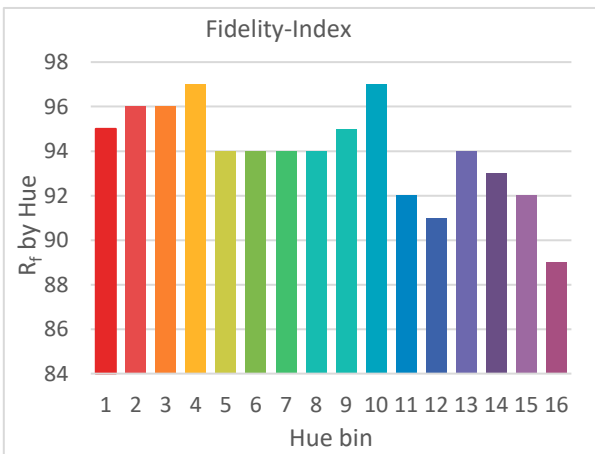
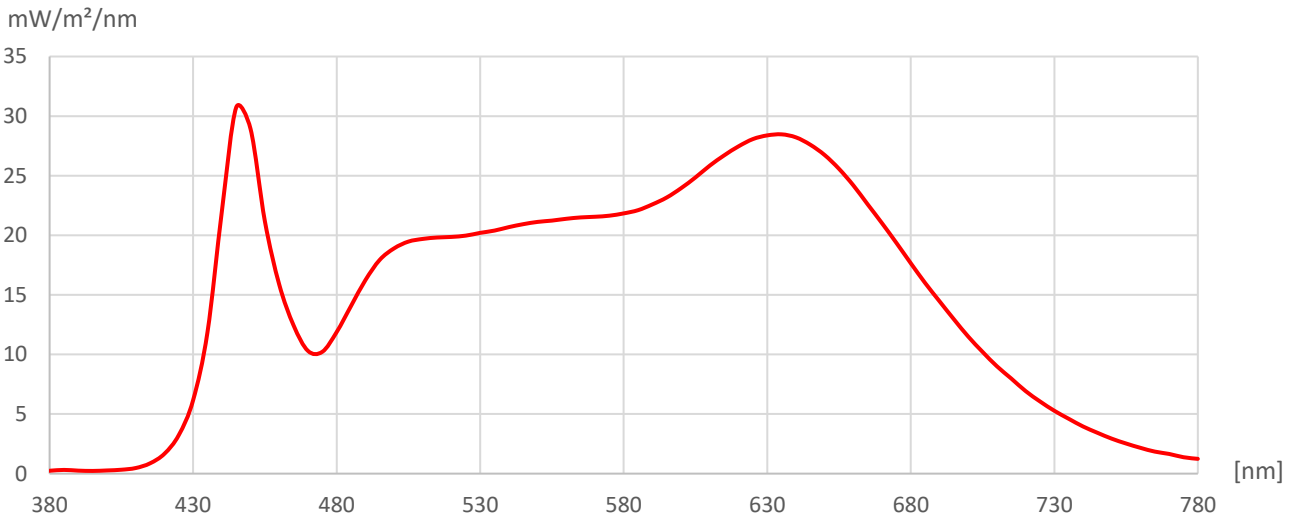


Measurement Protocol



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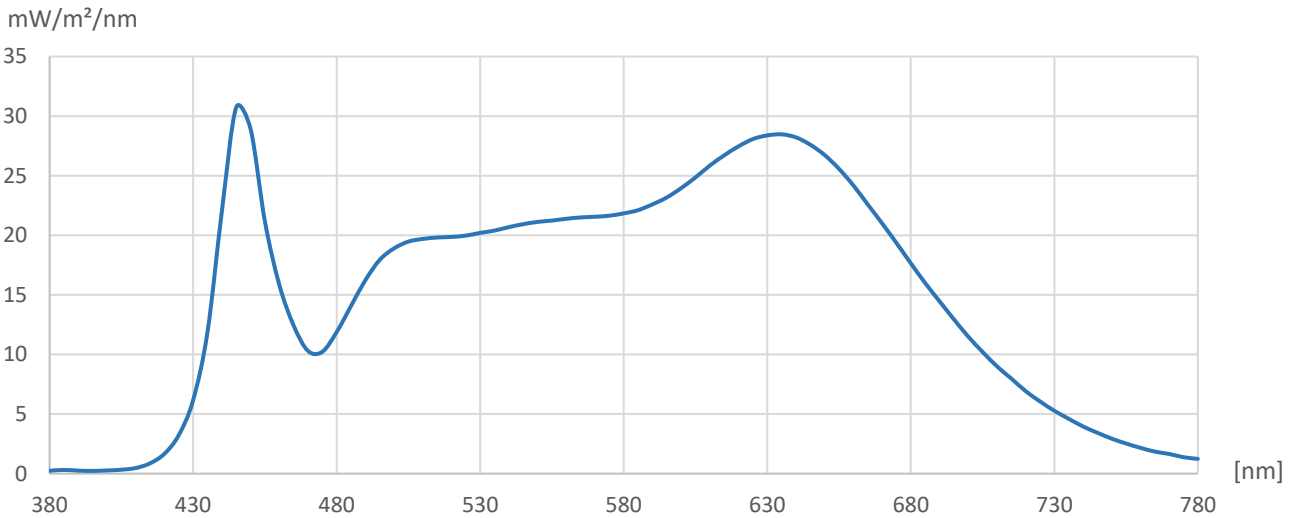


Measurement Protocol



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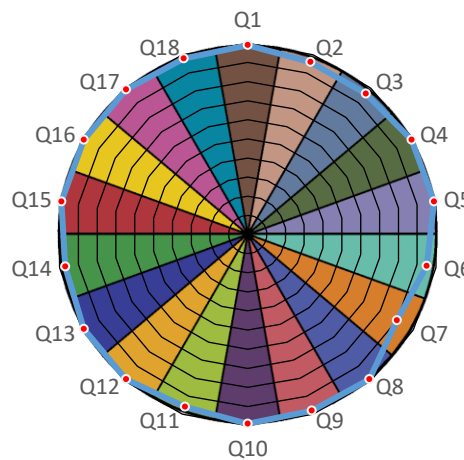
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correlated color temperature (CCT) 4,011 K
 TLCI 98

Reference Spectrum Plank-Daylight Mix

	Lightness	Chroma	Hue
R	0	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	2
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	90	Q13 Blue	99
Q2 Light skin	96	Q8 Purplish blue	99	Q14 Green	97
Q3 Blue sky	96	Q9 Moderate red	98	Q15 Red	99
Q4 Foliage	99	Q10 Purple	99	Q16 Yellow	99
Q5 Blue flower	99	Q11 Yellow green	96	Q17 Magenta	99
Q6 Bluish green	95	Q12 Orange yellow	99	Q18 Cyan	98