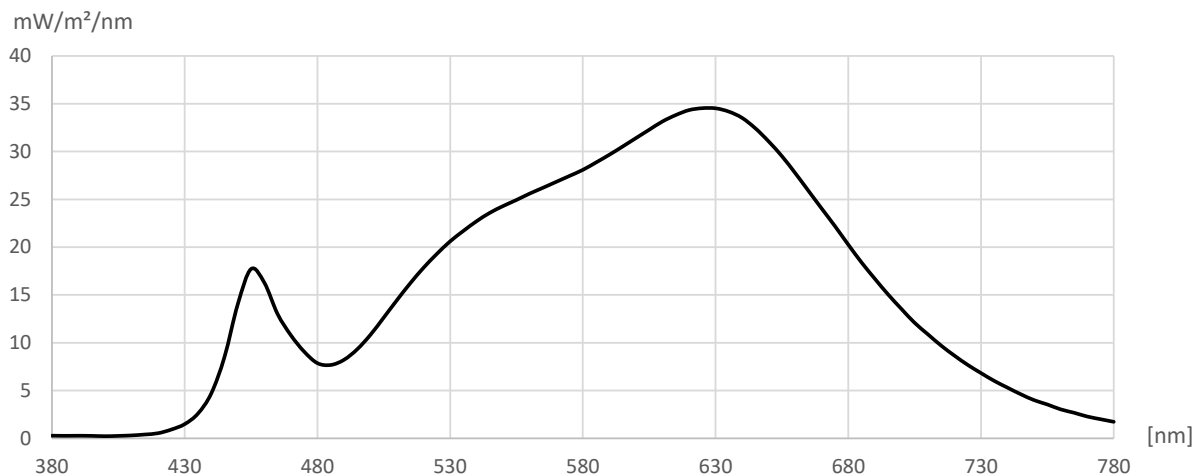


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Verity SOB Series LED Strip Light
 Model: UB-VE-30K

Measurement file: UB-VE-30K.CSV
 Date of measurement: 03.02.2026
 Time of measurement: 11:31:51



R1 = 90,9	Ra = 90,9	Illuminance	1.788,51 lx	CIE1931
R2 = 93,7	Re = 87,1	Ee	6,286 W/m²	x = 0,4385
R3 = 94,4	GAI = 52,9	LER	284,5 lm/W	y = 0,4112
R4 = 90,3				
R5 = 89,0	TLCI = 93,0	Correlated Color Temperature (CCT)	3.015 K	CIE1976
R6 = 90,6		Duv	0,0026	u' = 0,2485
R7 = 94,5	PPFD			v' = 0,5244
R8 = 84,1	[μmol/m²s]	Saturation	54,90 %	
R9 = 61,8	28,45			
R10 = 83,1		Dominant wavelength	581 nm	CIE1960
R11 = 88,6		Peak wavelength	627 nm	u = 0,2485
R12 = 69,4				v = 0,3496
R13 = 91,5		Flicker frequency	% < 1.0	TM30
R14 = 95,9		Percent Flicker	< 1.0	Rf = 88,5
R15 = 88,1		Flicker index	% < 1.0	Rg = 97,6

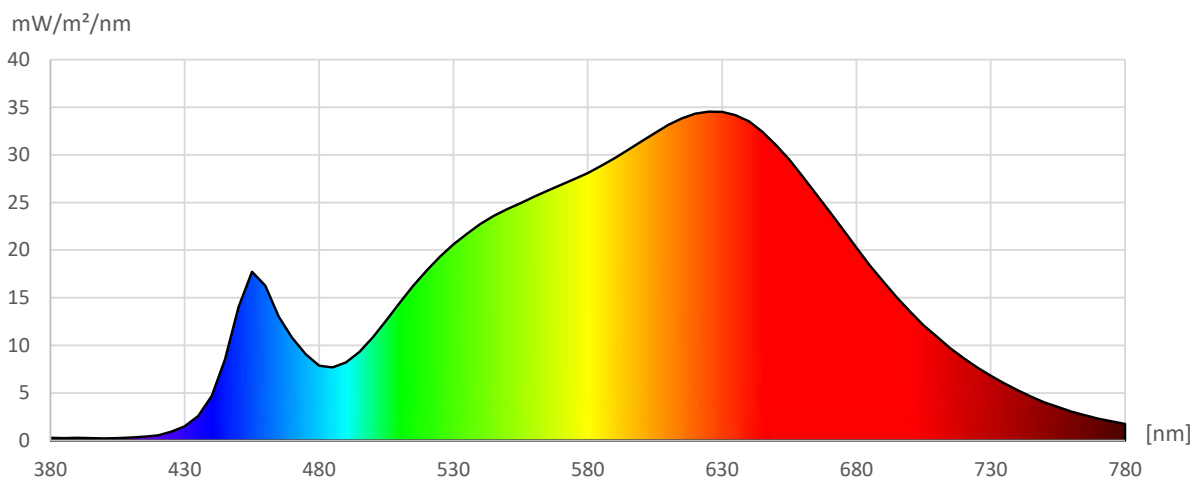
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0,28	440	4,69	500	10,84	560	25,61	620	34,34	680	20,26	740	5,30
385	0,27	445	8,51	505	12,64	565	26,21	625	34,54	685	18,40	745	4,61
390	0,28	450	14,03	510	14,47	570	26,84	630	34,52	690	16,70	750	4,00
395	0,26	455	17,72	515	16,23	575	27,46	635	34,18	695	15,05	755	3,55
400	0,23	460	16,29	520	17,85	580	28,09	640	33,52	700	13,54	760	3,03
405	0,26	465	13,01	525	19,30	585	28,87	645	32,43	705	12,09	765	2,68
410	0,31	470	10,79	530	20,61	590	29,67	650	31,06	710	10,88	770	2,29
415	0,40	475	9,07	535	21,70	595	30,53	655	29,52	715	9,70	775	2,01
420	0,54	480	7,87	540	22,72	600	31,41	660	27,75	720	8,65	780	1,73
425	0,93	485	7,68	545	23,60	605	32,28	665	25,89	725	7,69		
430	1,49	490	8,22	550	24,31	610	33,15	670	24,03	730	6,83		
435	2,59	495	9,32	555	24,94	615	33,82	675	22,19	735	6,01		

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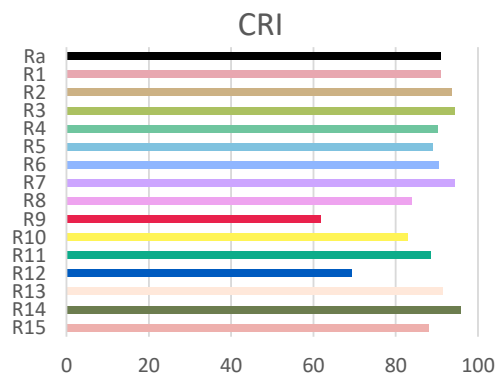
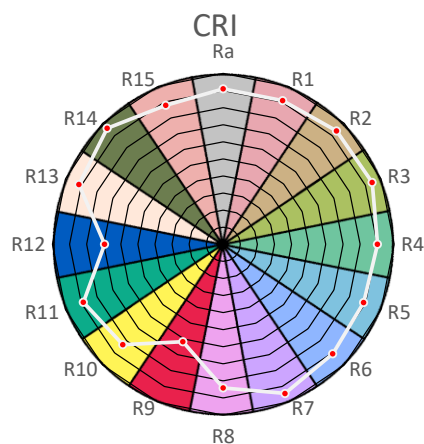
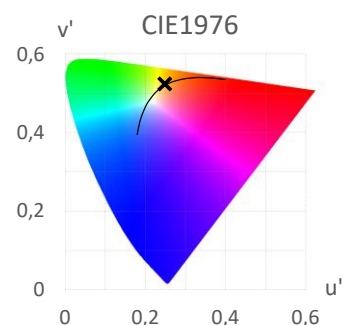
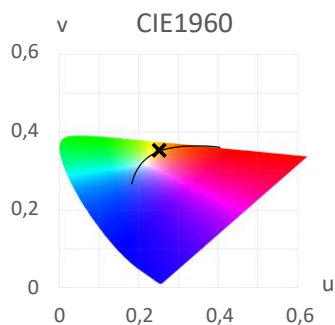
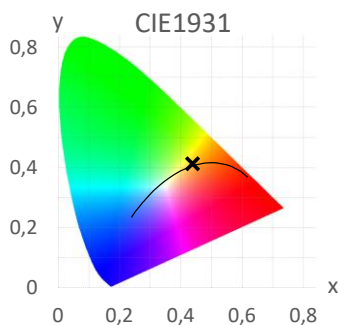
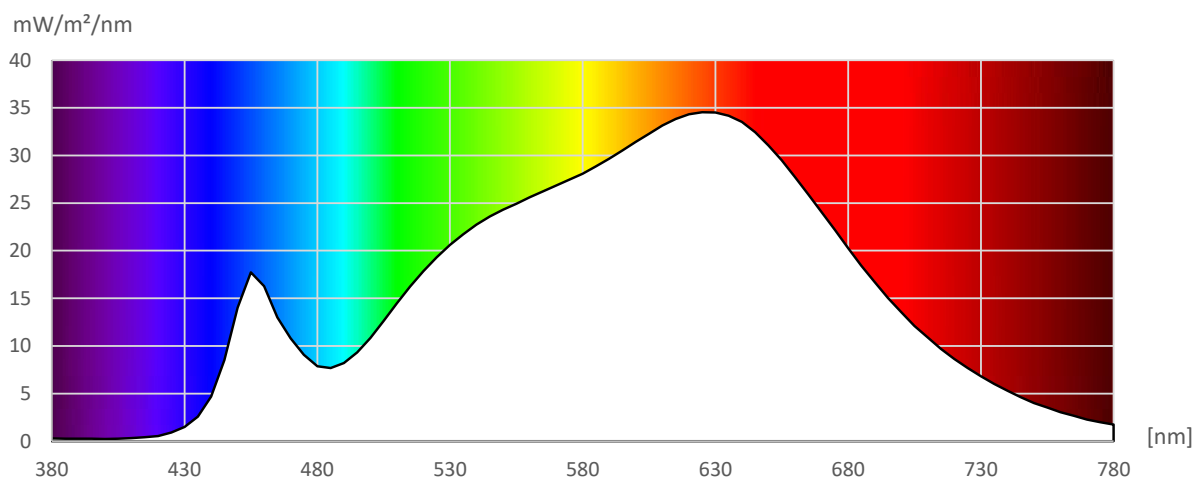
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,28	535	21,70	690	16,70								
385	0,27	540	22,72	695	15,05								
390	0,28	545	23,60	700	13,54								
395	0,26	550	24,31	705	12,09								
400	0,23	555	24,94	710	10,88								
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470	10,79	625	34,54	780	1,73								
475	9,07	630	34,52										
480	7,87	635	34,18										
485	7,68	640	33,52										
490	8,22	645	32,43										
495	9,32	650	31,06										
500	10,84	655	29,52										
505	12,64	660	27,75										
510	14,47	665	25,89										
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520	17,85	675	22,19										
525	19,30	680	20,26										
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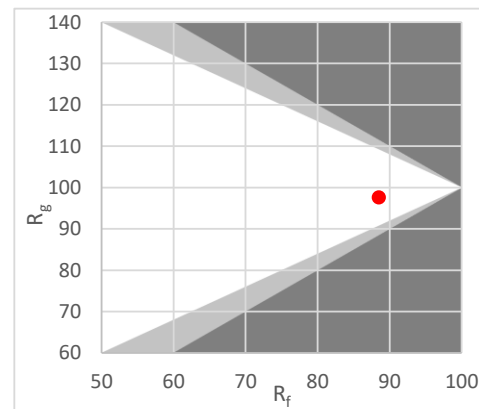
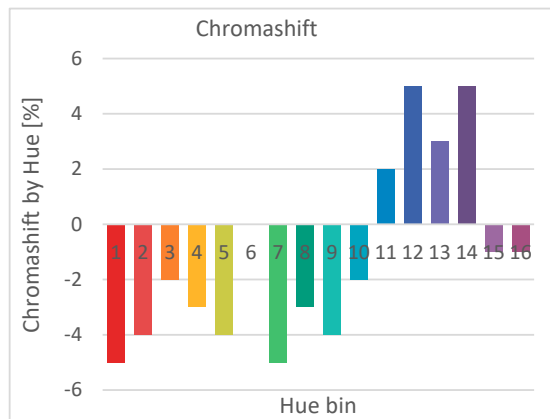
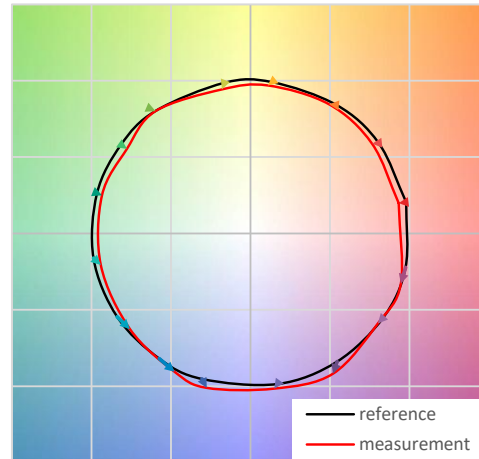
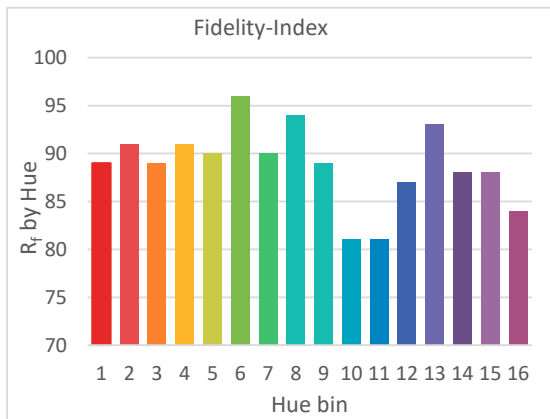
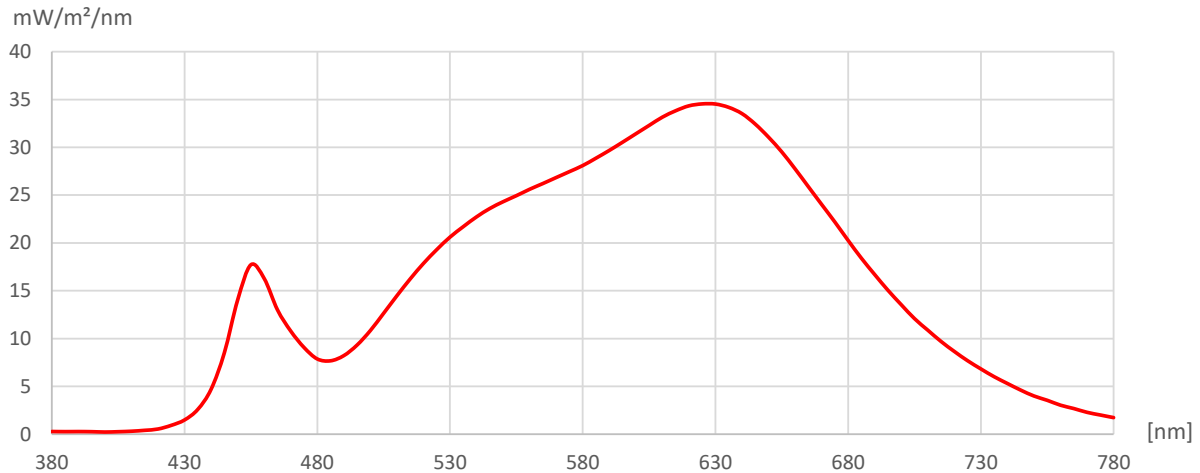


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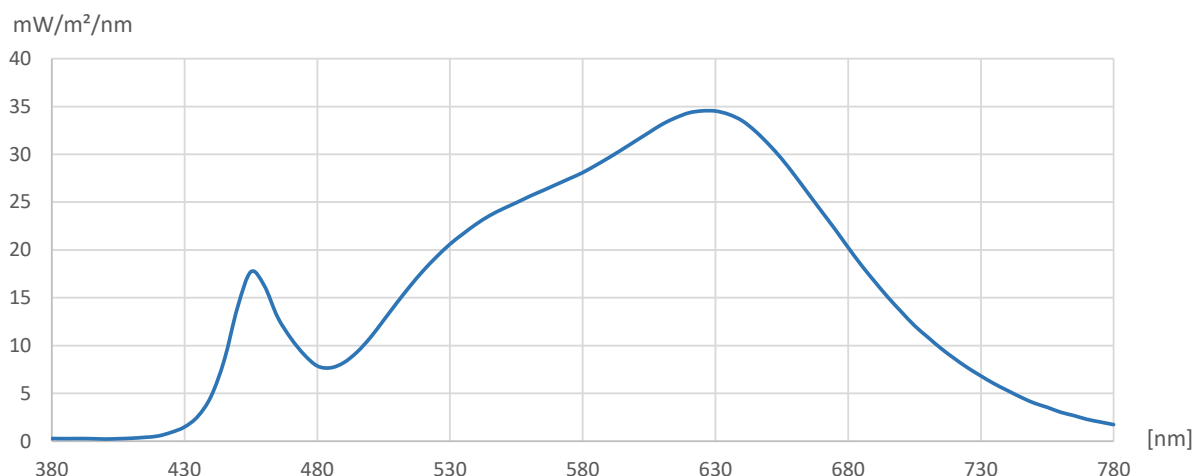


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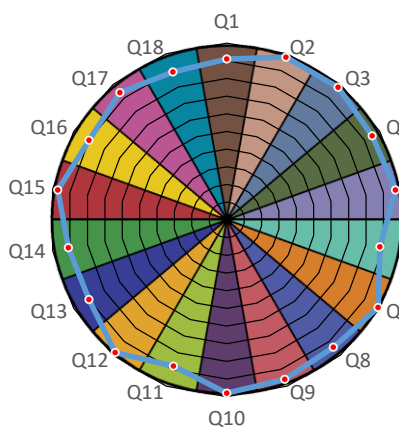


correlated color temperature (CCT) 3.015 K

TLCI 93

Reference Spectrum Plank

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



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	91	Q7 Orange	99	Q13 Blue	90
Q2 Light skin	98	Q8 Purplish blue	94	Q14 Green	91
Q3 Blue sky	98	Q9 Moderate red	96	Q15 Red	97
Q4 Foliage	95	Q10 Purple	98	Q16 Yellow	90
Q5 Blue flower	97	Q11 Yellow green	88	Q17 Magenta	94
Q6 Bluish green	88	Q12 Orange yellow	98	Q18 Cyan	89