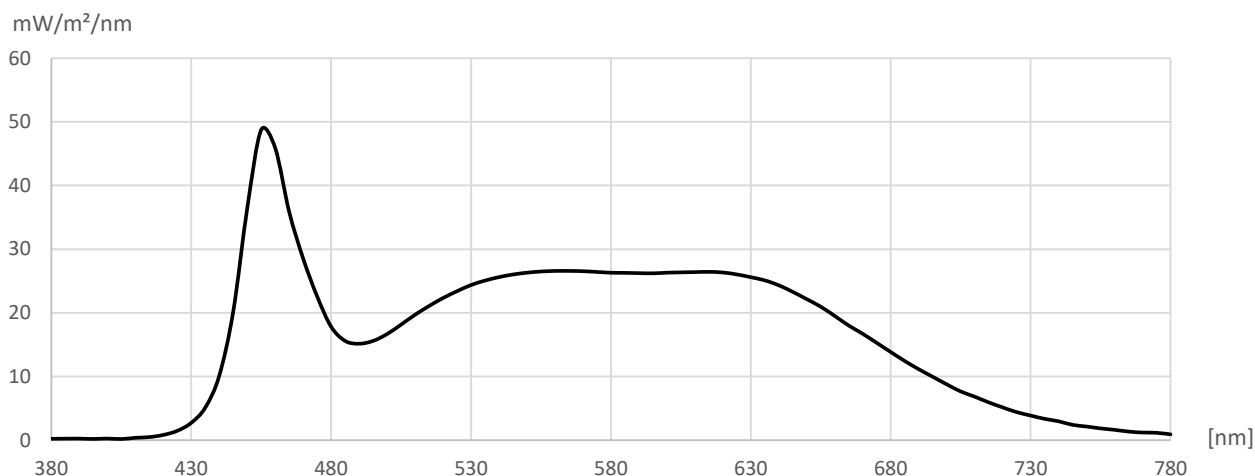


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Verity SOB Series LED Strip Light
 Model: UB-VE-50K

Measurement file: UB-VE-50K.CSV
 Date of measurement: 02.07.2026
 Time of measurement: 5:18:29



R1 = 95,2	Ra = 93,3	Illuminance	1.815,27 lx	CIE1931
R2 = 98,9	Re = 90,9	Ee	6,444 W/m²	x = 0,3477
R3 = 96,7	GAI = 89,3	LER	281,7 lm/W	y = 0,3471
R4 = 89,0				
R5 = 91,4	TLCI = 90,0	Correlated Color Temperature (CCT)	4.881 K	CIE1976
R6 = 92,3		Duv	-0,0034	u' = 0,2150
R7 = 92,4	PPFD			v' = 0,4828
R8 = 89,9	[μmol/m²s]	Saturation	8,40 %	
R9 = 81,5	28,74			
R10 = 94,3		Dominant wavelength	578 nm	CIE1960
R11 = 88,9		Peak wavelength	457 nm	u = 0,2150
R12 = 62,3				v = 0,3219
R13 = 98,0		Flicker frequency	% < 1.0	TM30
R14 = 98,2		Percent Flicker	< 1.0	Rf = 85,0
R15 = 93,7		Flicker index	% < 1.0	Rg = 96,5

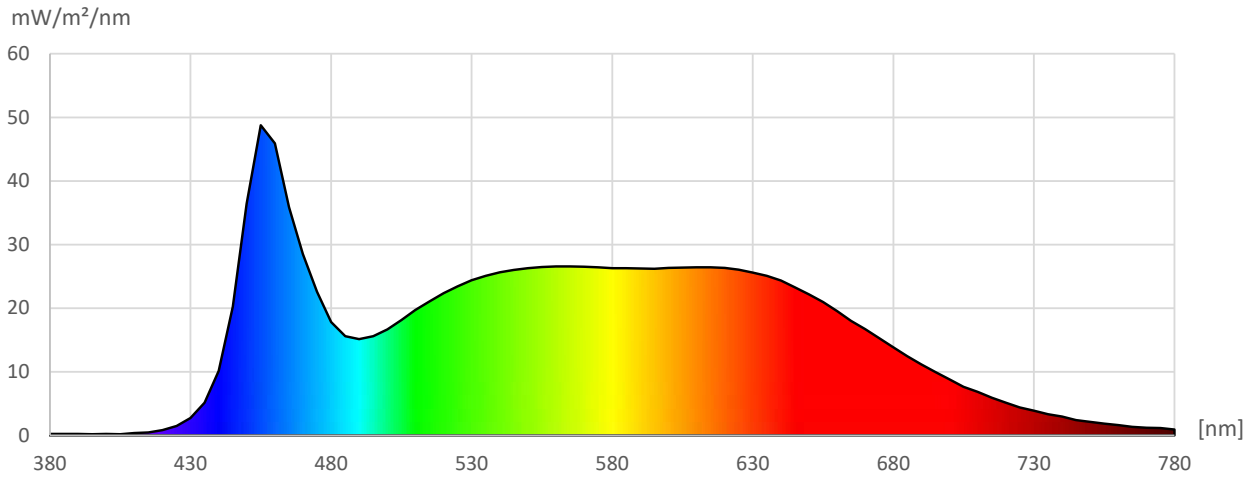
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0,21	440	10,12	500	16,67	560	26,58	620	26,34	680	13,85	740	2,97
385	0,24	445	20,22	505	18,16	565	26,59	625	26,03	685	12,44	745	2,40
390	0,24	450	36,42	510	19,70	570	26,54	630	25,60	690	11,14	750	2,14
395	0,19	455	48,75	515	21,08	575	26,43	635	25,10	695	9,96	755	1,84
400	0,25	460	45,89	520	22,33	580	26,31	640	24,33	700	8,77	760	1,62
405	0,18	465	35,85	525	23,40	585	26,28	645	23,29	705	7,65	765	1,35
410	0,37	470	28,52	530	24,37	590	26,24	650	22,15	710	6,83	770	1,20
415	0,48	475	22,58	535	25,07	595	26,21	655	20,96	715	5,94	775	1,16
420	0,82	480	17,81	540	25,61	600	26,31	660	19,51	720	5,15	780	0,91
425	1,47	485	15,59	545	26,03	605	26,36	665	18,00	725	4,41		
430	2,73	490	15,15	550	26,31	610	26,40	670	16,71	730	3,87		
435	5,12	495	15,60	555	26,49	615	26,44	675	15,28	735	3,35		

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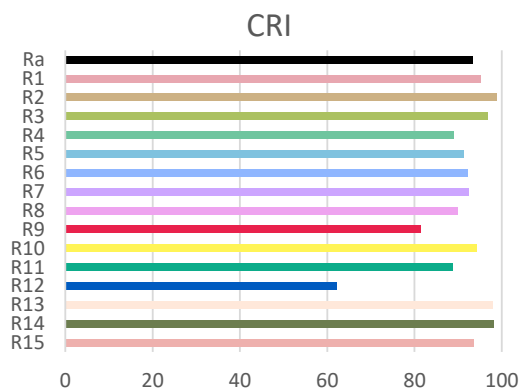
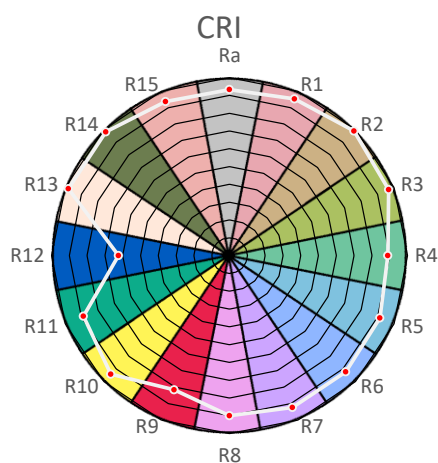
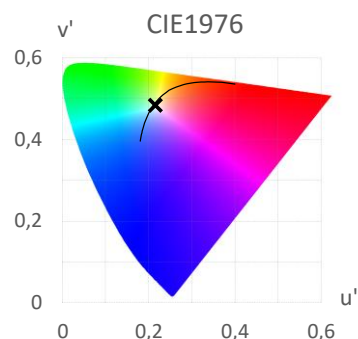
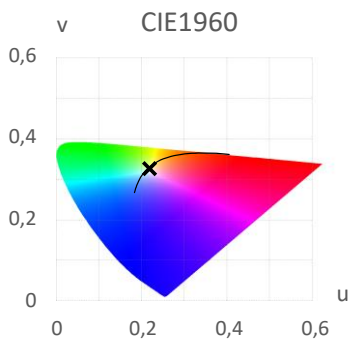
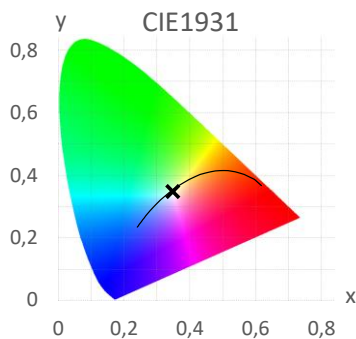
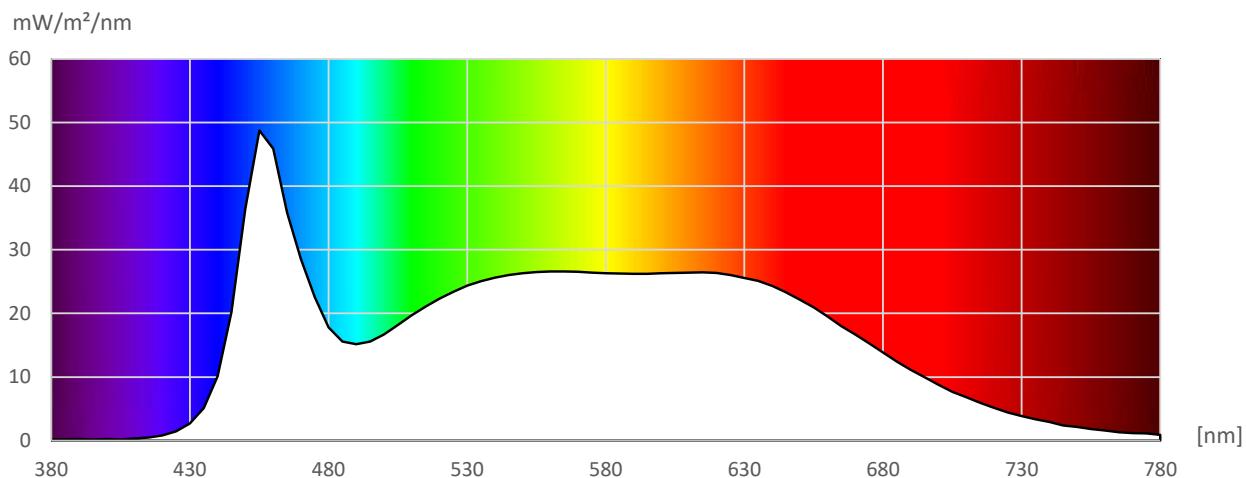
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0,21	535	25,07	690	11,14								
385	0,24	540	25,61	695	9,96								
390	0,24	545	26,03	700	8,77								
395	0,19	550	26,31	705	7,65								
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415	0,48	570	26,54	725	4,41								
420	0,82	575	26,43	730	3,87								
425	1,47	580	26,31	735	3,35								
430	2,73	585	26,28	740	2,97								
435	5,12	590	26,24	745	2,40								
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470	28,52	625	26,03	780	0,91								
475	22,58	630	25,60										
480	17,81	635	25,10										
485	15,59	640	24,33										
490	15,15	645	23,29										
495	15,60	650	22,15										
500	16,67	655	20,96										
505	18,16	660	19,51										
510	19,70	665	18,00										
515	21,08	670	16,71										
520	22,33	675	15,28										
525	23,40	680	13,85										
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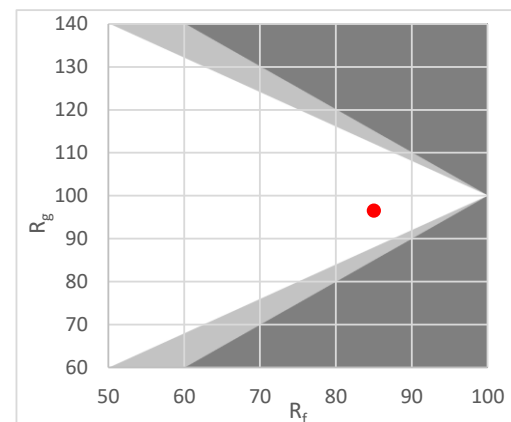
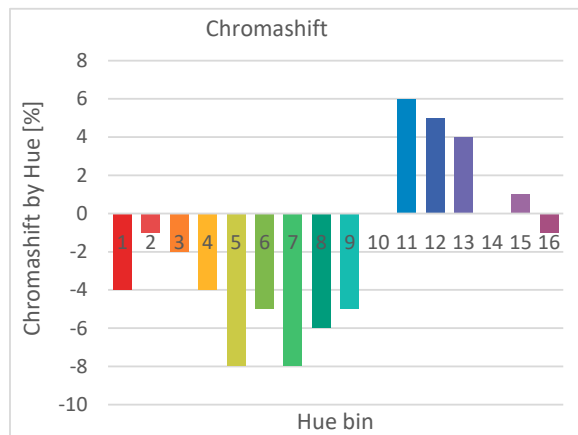
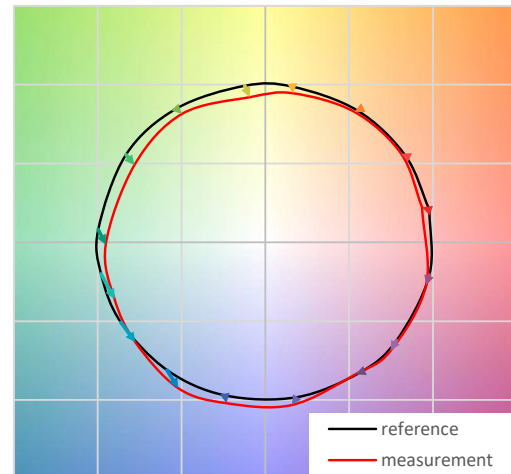
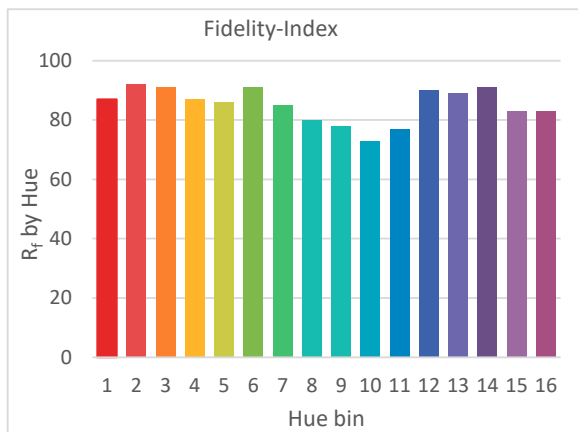
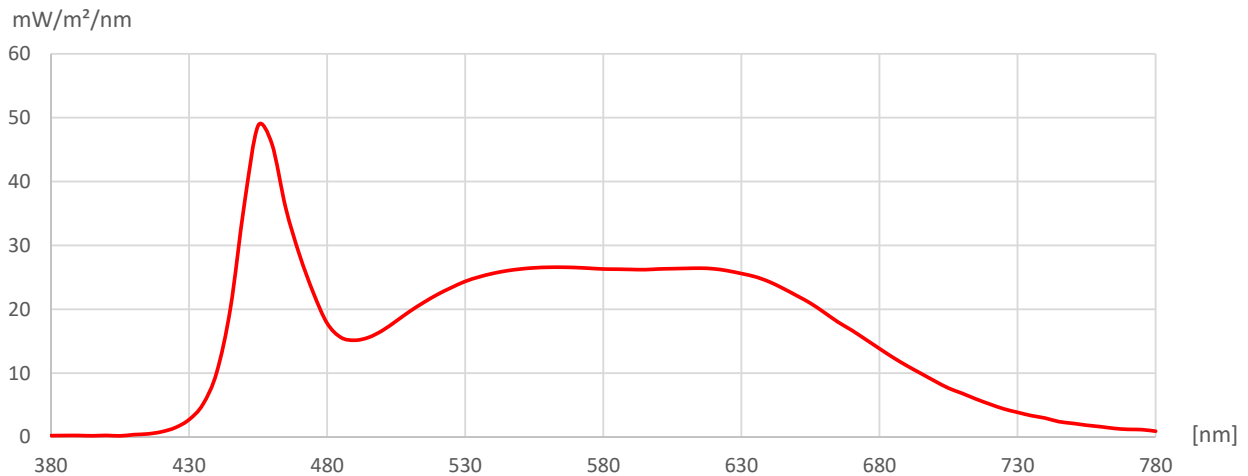


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Verity SOB Series LED Strip Light
 Model: UB-VE-50K

Measurement file: UB-VE-50K.CSV
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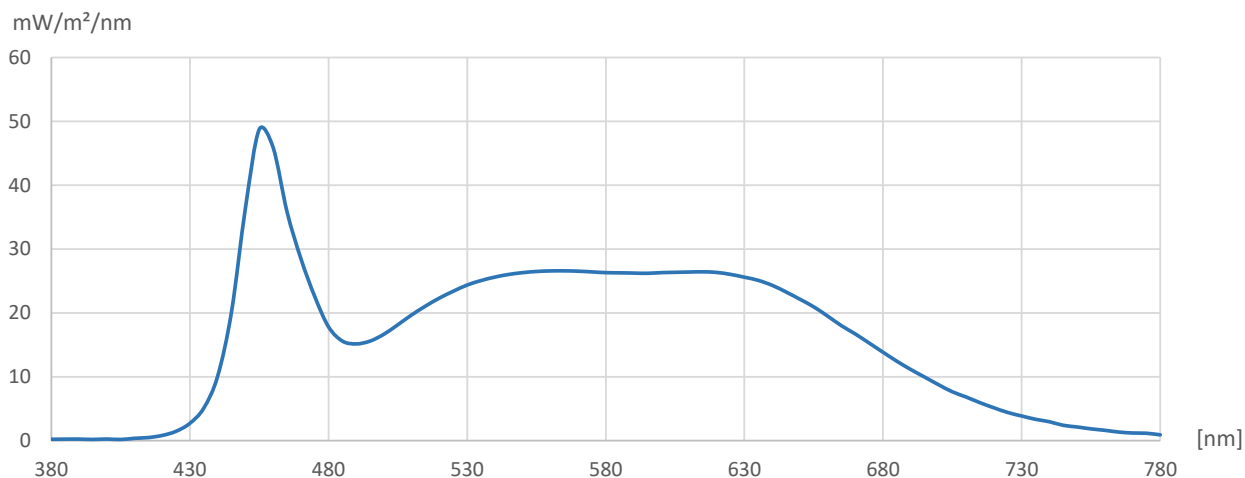


Measurement Protocol



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 Model: UB-VE-50K

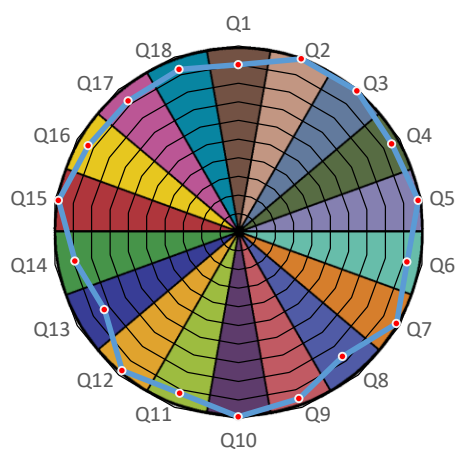
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correlated color temperature (CCT) 4.881 K
 TLCI 90

Reference Spectrum Plank-Daylight Mix

	Lightness	Chroma	Hue
R	1	1	0
R/Y	0	0	-2
Y	0	0	-2
Y/G	0	-1	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	1	-1	-4
B	0	-1	-1
B/M	1	-1	1
M	1	1	1
M/R	1	0	0



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	90	Q7 Orange	98	Q13 Blue	83
Q2 Light skin	99	Q8 Purplish blue	87	Q14 Green	89
Q3 Blue sky	99	Q9 Moderate red	95	Q15 Red	98
Q4 Foliage	95	Q10 Purple	99	Q16 Yellow	93
Q5 Blue flower	98	Q11 Yellow green	92	Q17 Magenta	92
Q6 Bluish green	92	Q12 Orange yellow	97	Q18 Cyan	93