

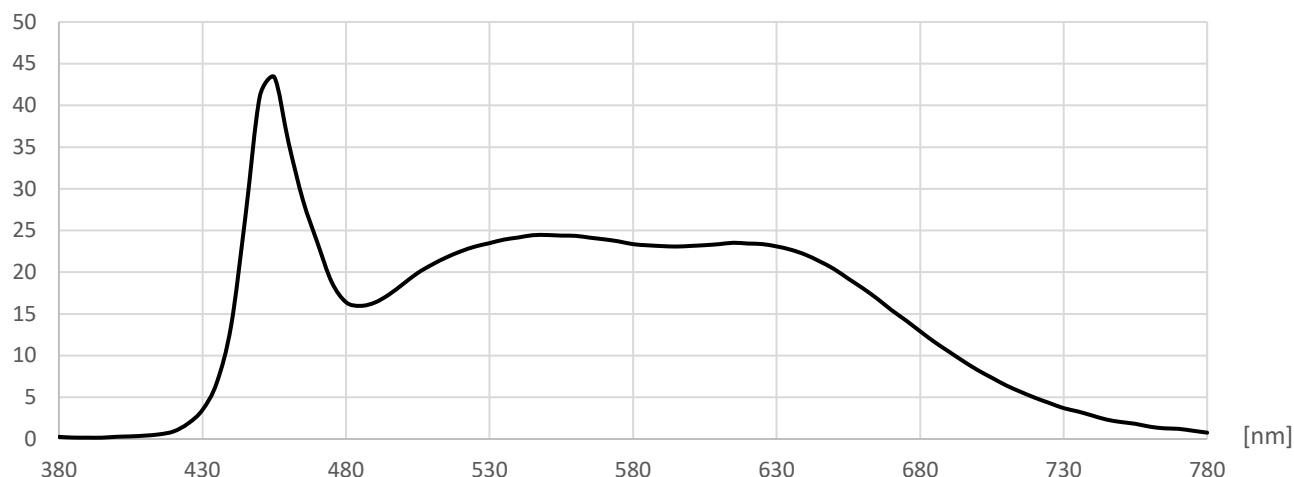
Measurement Protocol



Manufacturer: Flexfire LEDs
 Type: LED Strip Light 300 LM/FT
 Model: VL-50K

Measurement file: VL30-50K.CSV
 Date of measurement: 28.11.2023
 Time of measurement: 17:55:51

mW/m²/nm



R1 = 96.6	Ra = 95.4	Illuminance	1,685.80 lx	CIE1931
R2 = 98.4	Re = 93.5	Ee	6.050 W/m ²	x = 0.3390
R3 = 96.5	GAI = 91.5	LER	278.6 lm/W	y = 0.3454
R4 = 94.6				
R5 = 94.8	TLCI = 96.0	Correlated Color Temperature (CCT)	5,223 K	CIE1976
R6 = 93.5		Duv	-0.0006	u' = 0.2097
R7 = 95.6	PPFD			v' = 0.4807
R8 = 93.4	[μmol/m ² s]	Saturation	5.40 %	
R9 = 85.8	26.84			CIE1960
R10 = 94.4		Dominant wavelength	569 nm	u = 0.2097
R11 = 94.7		Peak wavelength	453 nm	v = 0.3205
R12 = 71.8				
R13 = 98.3		Flicker frequency	% < 1.0	TM30
R14 = 98.0		Percent Flicker	< 1.0	Rf = 87.8
R15 = 96.2		Flicker index	% < 1.0	Rg = 97.9

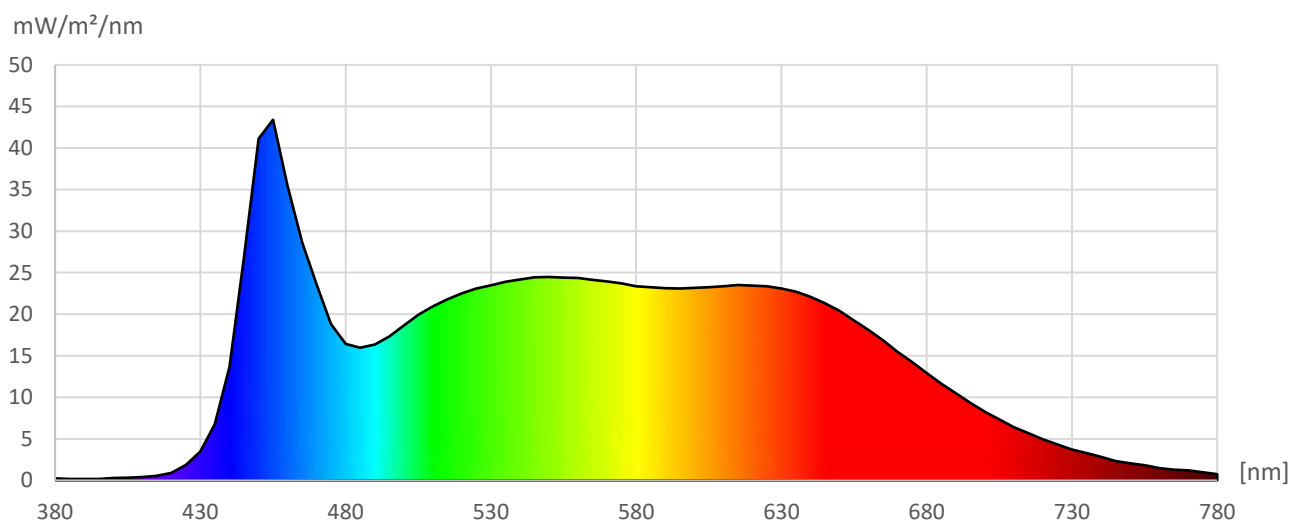
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.25	440	13.63	500	18.61	560	24.36	620	23.43	680	12.92	740	2.81
385	0.17	445	26.79	505	19.91	565	24.14	625	23.37	685	11.64	745	2.33
390	0.16	450	41.12	510	20.91	570	23.94	630	23.09	690	10.48	750	2.04
395	0.16	455	43.40	515	21.78	575	23.69	635	22.69	695	9.34	755	1.82
400	0.27	460	35.51	520	22.50	580	23.36	640	22.10	700	8.27	760	1.48
405	0.32	465	28.63	525	23.08	585	23.23	645	21.30	705	7.34	765	1.28
410	0.41	470	23.59	530	23.48	590	23.13	650	20.38	710	6.42	770	1.22
415	0.56	475	18.83	535	23.91	595	23.07	655	19.22	715	5.66	775	0.99
420	0.92	480	16.41	540	24.16	600	23.15	660	18.08	720	4.95	780	0.76
425	1.87	485	15.96	545	24.43	605	23.24	665	16.84	725	4.32		
430	3.49	490	16.35	550	24.46	610	23.36	670	15.47	730	3.70		
435	6.77	495	17.32	555	24.39	615	23.53	675	14.24	735	3.30		

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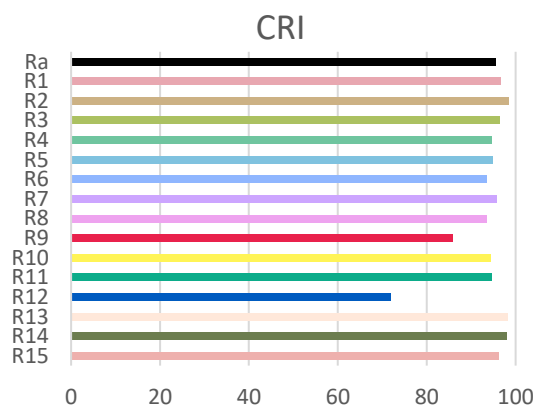
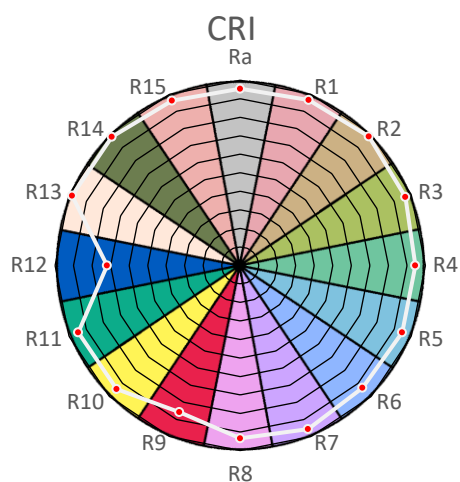
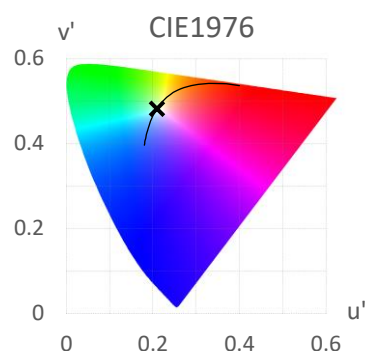
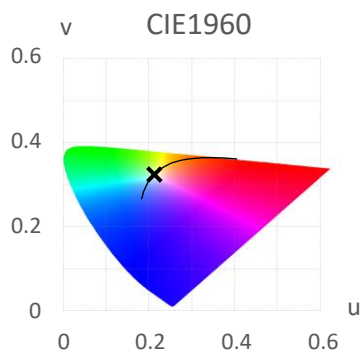
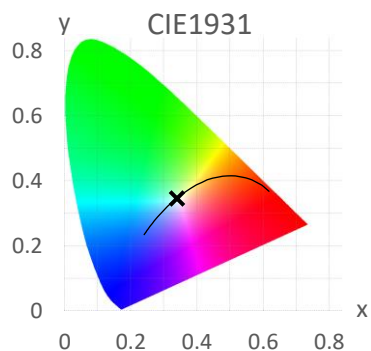
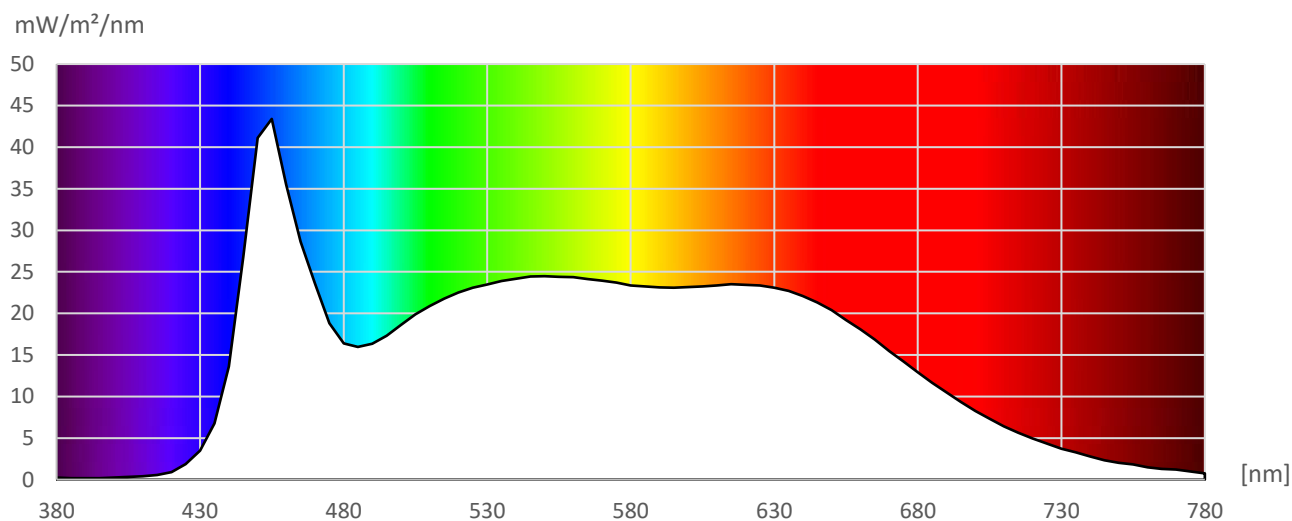
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
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405	0.32	560	24.36	715	5.66								
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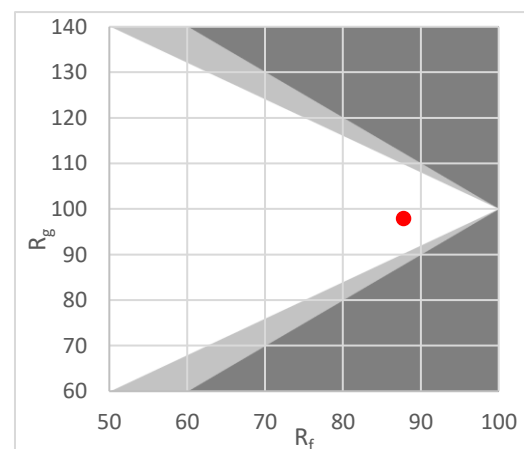
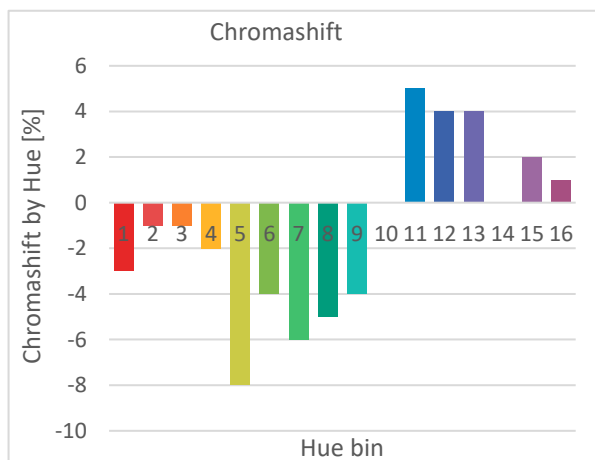
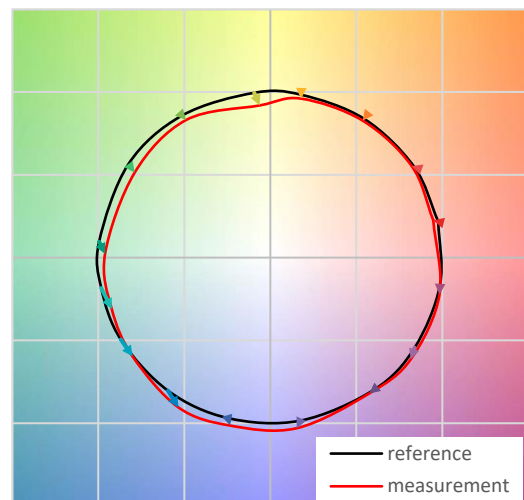
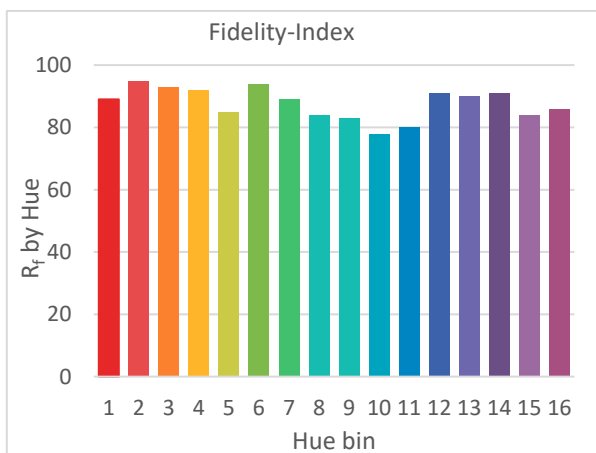
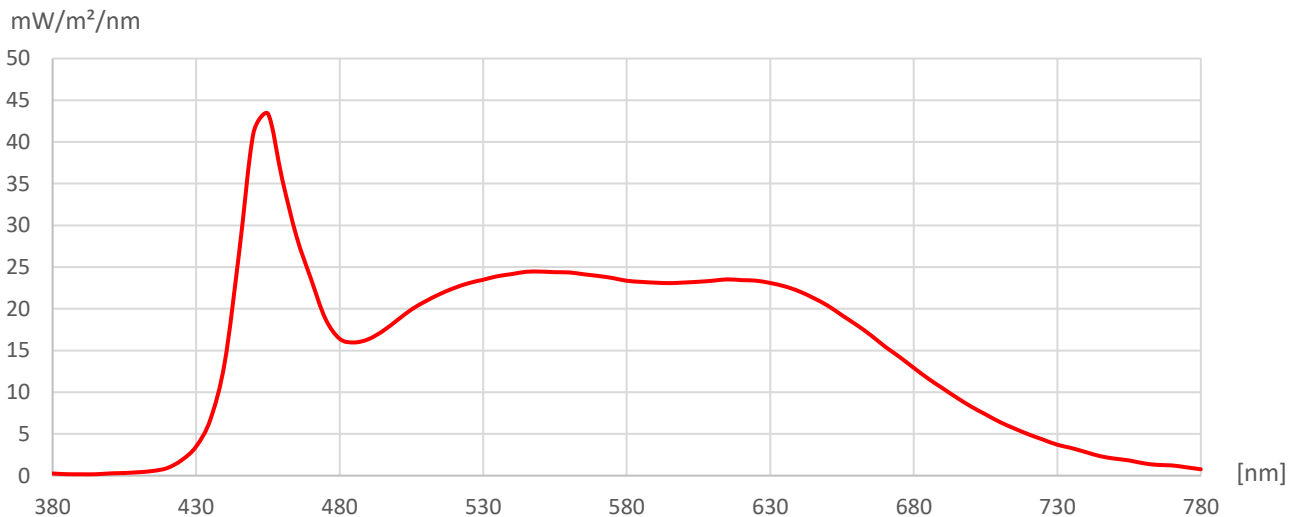


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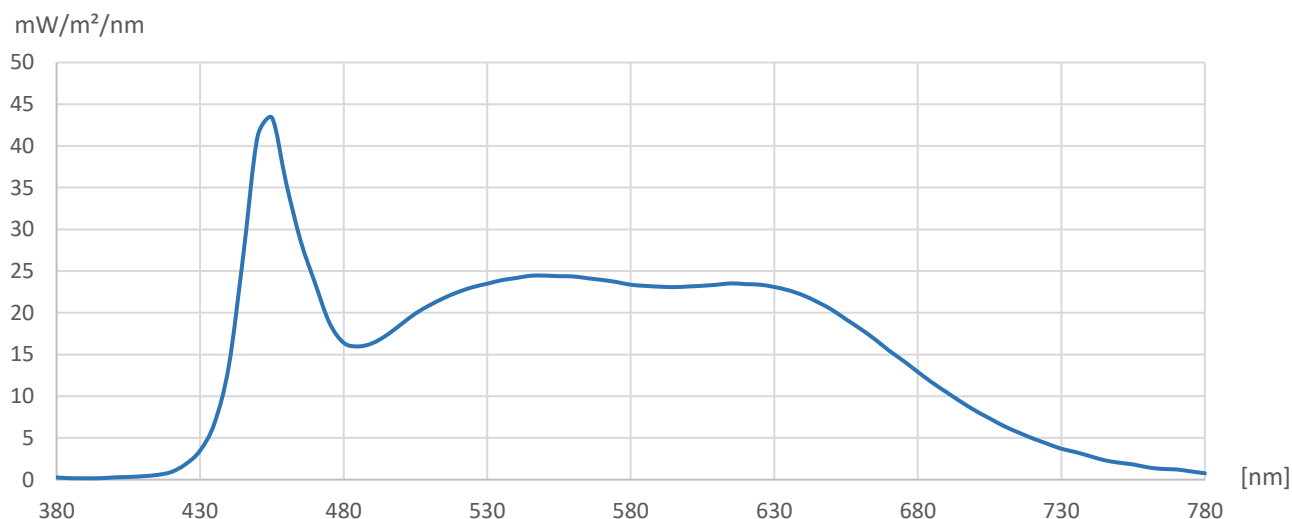


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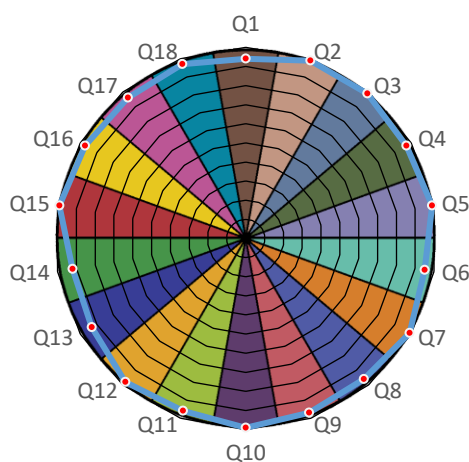
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correlated color temperature (CCT) 5,223 K
 TLCI 96

Referencec Spectrum Daylight

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



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	94	Q7 Orange	99	Q13 Blue	93
Q2 Light skin	99	Q8 Purplish blue	96	Q14 Green	92
Q3 Blue sky	99	Q9 Moderate red	97	Q15 Red	99
Q4 Foliage	97	Q10 Purple	99	Q16 Yellow	97
Q5 Blue flower	99	Q11 Yellow green	96	Q17 Magenta	96
Q6 Bluish green	95	Q12 Orange yellow	98	Q18 Cyan	97