

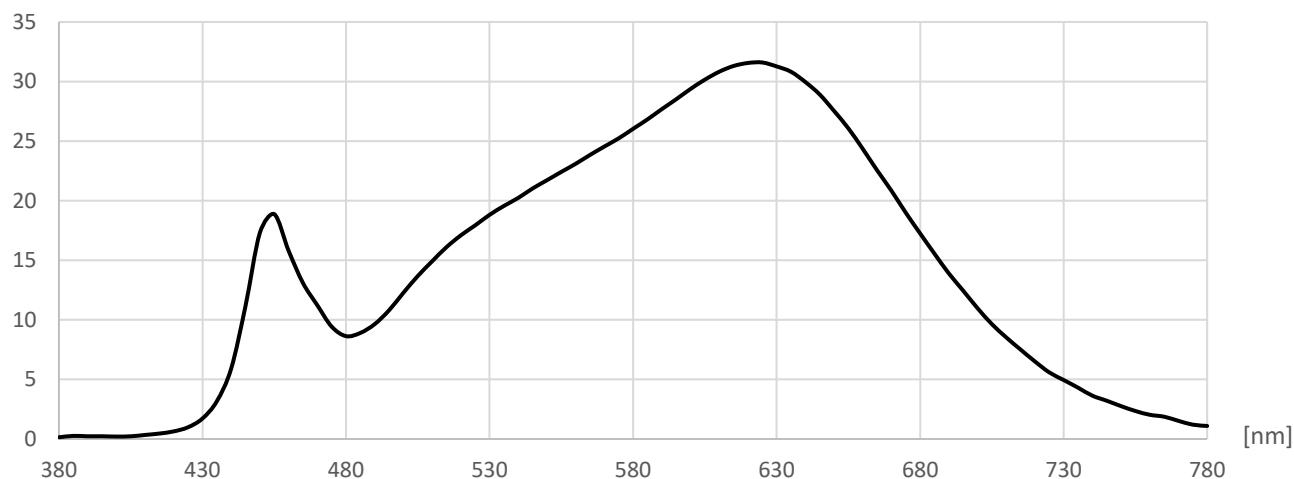
Measurement Protocol



Manufacturer: Flexfire LEDs
Type: LED Strip Light 300 LM/FT
Model: VL30-30K

Measurement file: VL30-30K.CSV
Date of measurement: 28.11.2023
Time of measurement: 17:30:49

mW/m²/nm



R1 = 93.2	Ra = 92.9	Illuminance	1,655.17 lx	CIE1931
R2 = 96.7	Re = 90.0	Ee	5.770 W/m ²	x = 0.4269
R3 = 97.9	GAI = 60.6	LER	286.9 lm/W	y = 0.3995
R4 = 92.0				
R5 = 92.3	TLCI = 94.0	Correlated Color Temperature (CCT)	3,120 K	CIE1976
R6 = 94.9		Duv	-0.0003	u' = 0.2460
R7 = 92.6	PPFD			v' = 0.5181
R8 = 83.8	[μmol/m ² s]	Saturation	47.80 %	
R9 = 63.9	26.34			CIE1960
R10 = 90.8		Dominant wavelength	582 nm	u = 0.2460
R11 = 92.0		Peak wavelength	623 nm	v = 0.3454
R12 = 77.6				
R13 = 94.3		Flicker frequency	% < 1.0	TM30
R14 = 98.4		Percent Flicker	< 1.0	Rf = 89.9
R15 = 90.1		Flicker index	% < 1.0	Rg = 98.7

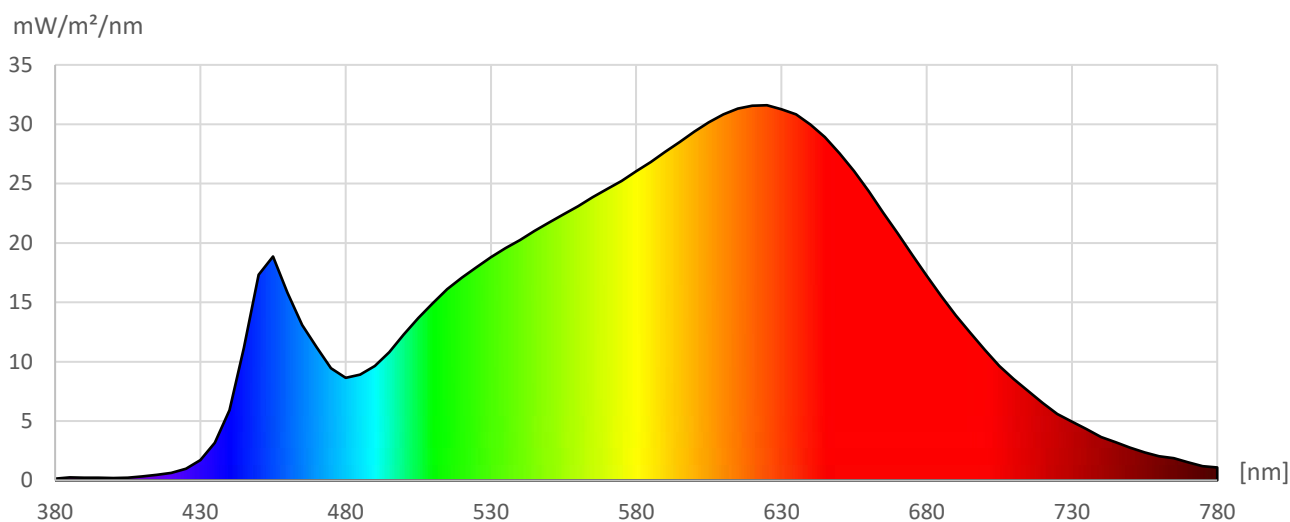
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.15	440	5.91	500	12.27	560	23.10	620	31.56	680	17.25	740	3.64
385	0.26	445	11.17	505	13.68	565	23.84	625	31.60	685	15.55	745	3.21
390	0.23	450	17.31	510	14.91	570	24.55	630	31.27	690	13.90	750	2.76
395	0.23	455	18.87	515	16.10	575	25.23	635	30.82	695	12.45	755	2.35
400	0.21	460	15.80	520	17.09	580	26.03	640	29.96	700	10.98	760	2.03
405	0.23	465	13.10	525	17.93	585	26.82	645	28.92	705	9.64	765	1.87
410	0.34	470	11.23	530	18.81	590	27.68	650	27.54	710	8.53	770	1.52
415	0.46	475	9.44	535	19.56	595	28.51	655	26.07	715	7.50	775	1.20
420	0.64	480	8.63	540	20.23	600	29.37	660	24.36	720	6.51	780	1.10
425	0.99	485	8.90	545	21.03	605	30.16	665	22.56	725	5.59		
430	1.72	490	9.64	550	21.72	610	30.82	670	20.84	730	4.95		
435	3.17	495	10.80	555	22.42	615	31.30	675	18.99	735	4.31		

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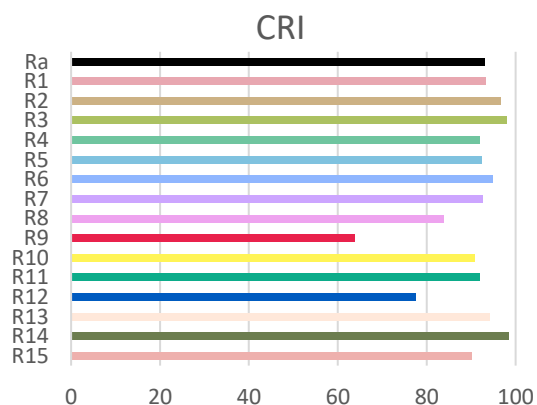
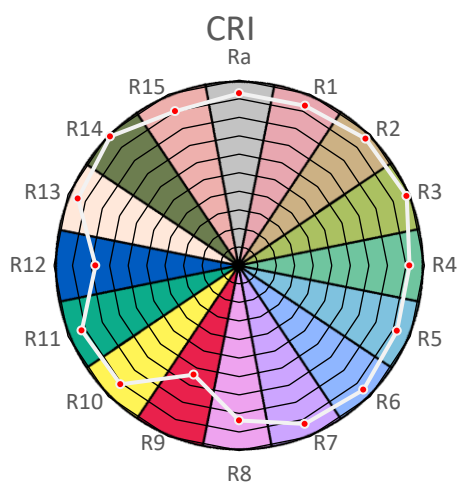
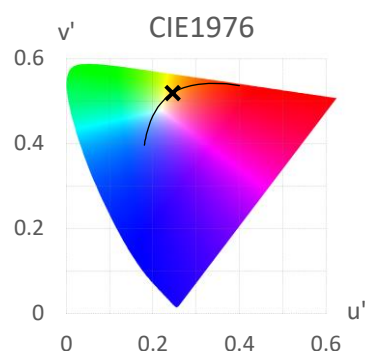
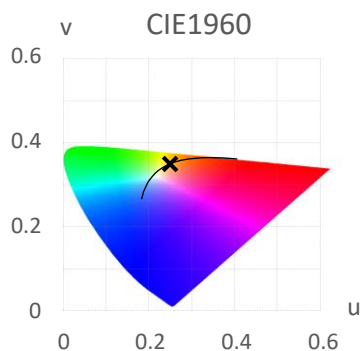
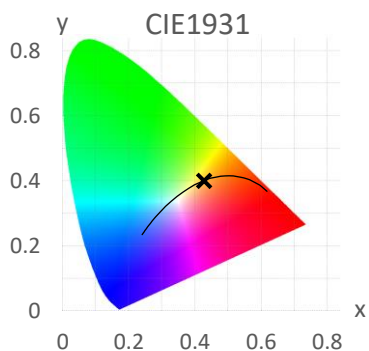
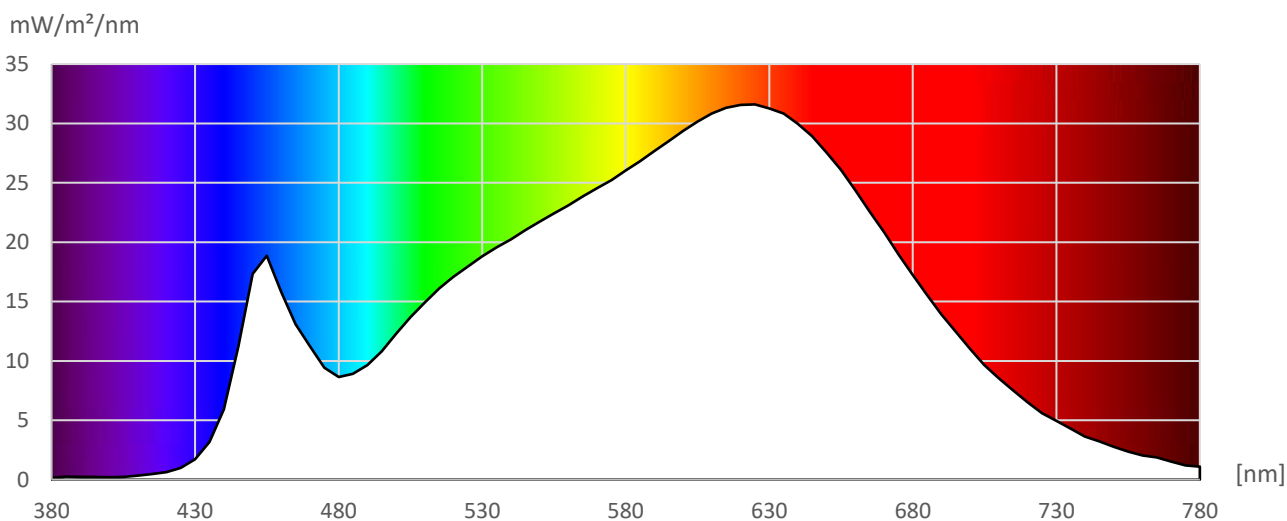
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
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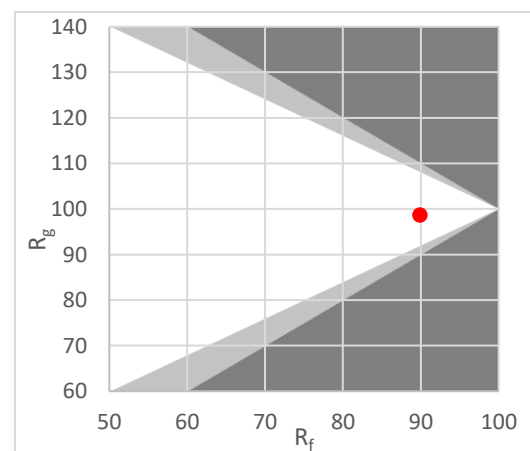
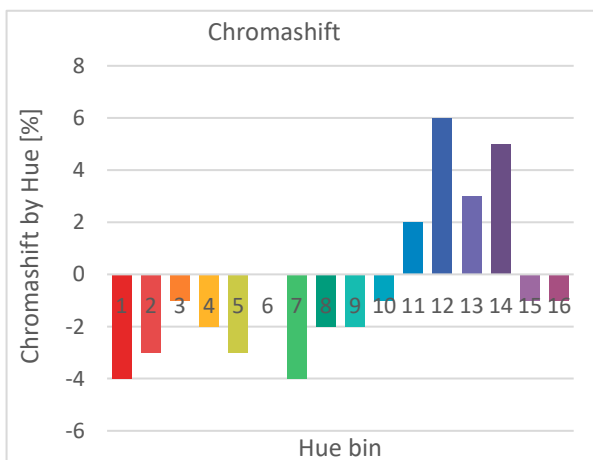
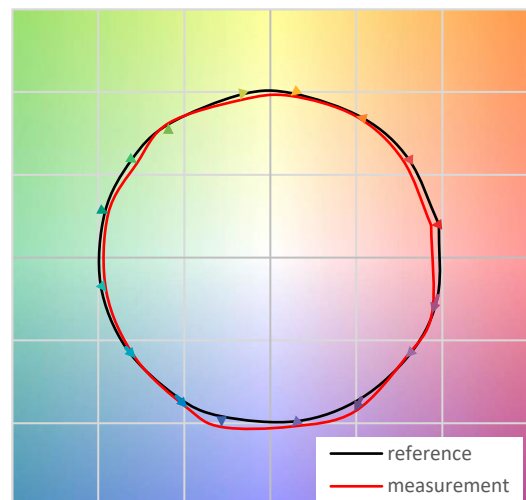
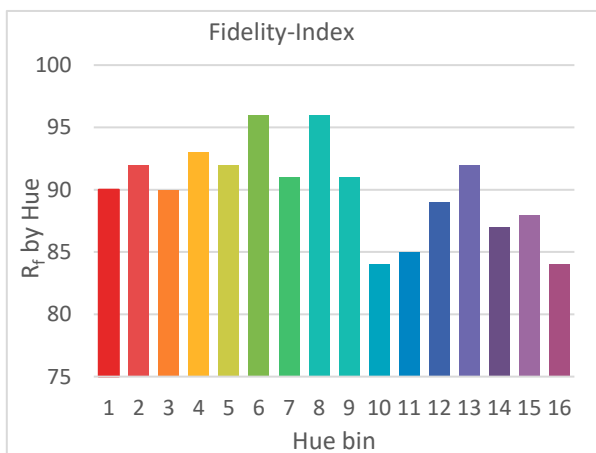
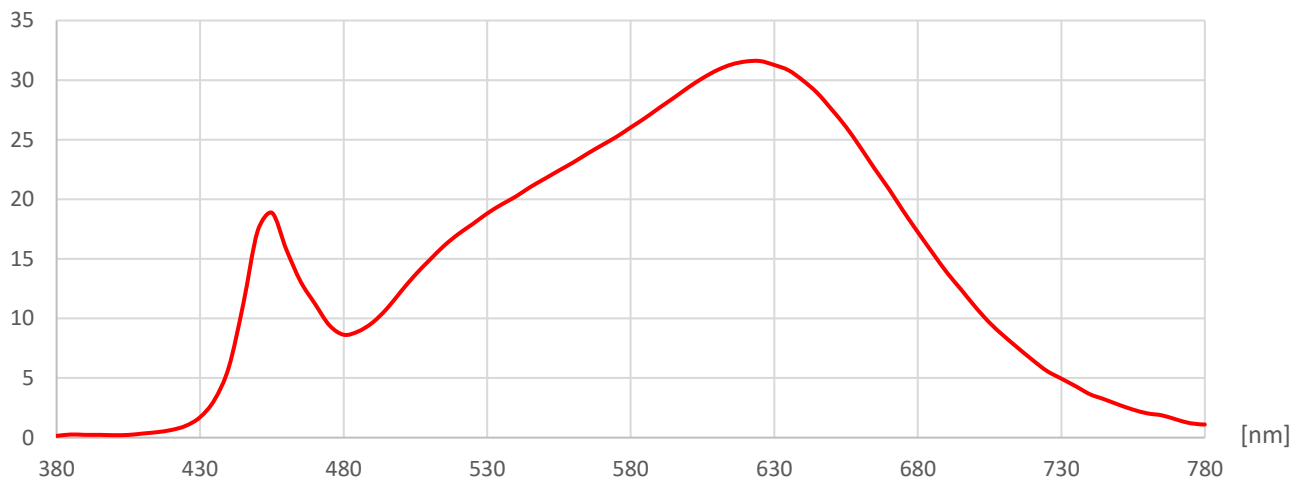
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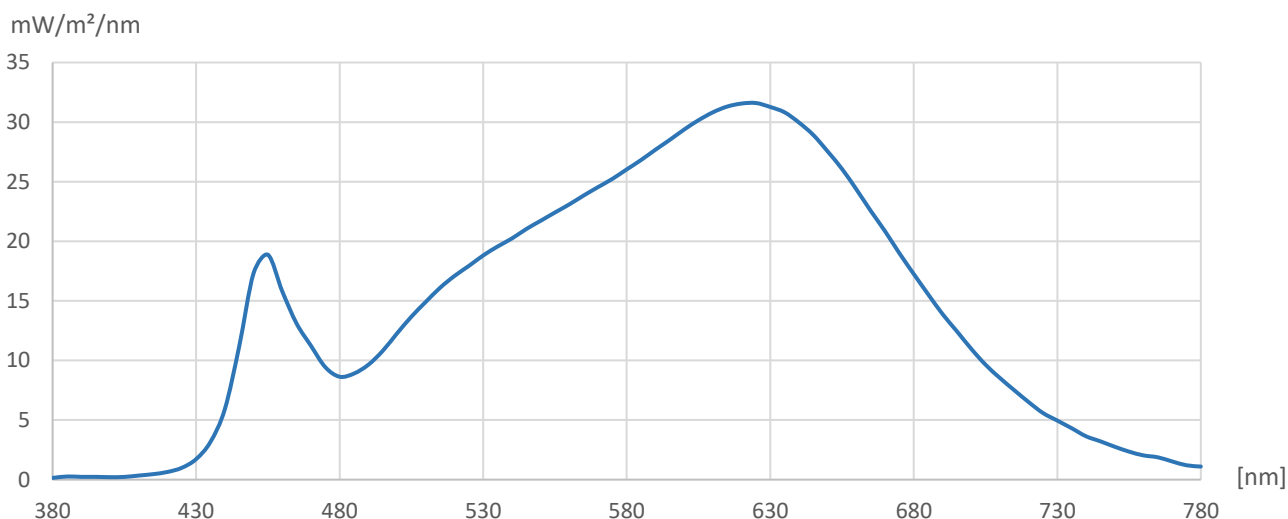


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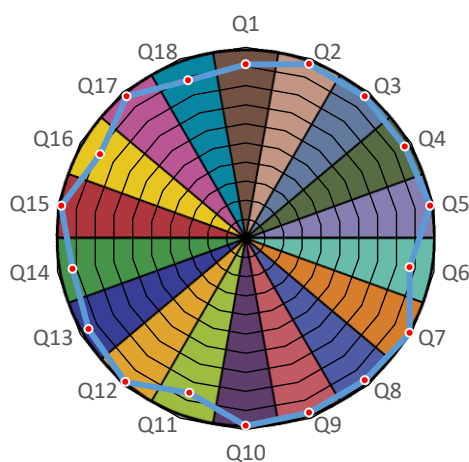
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correlated color temperature (CCT) 3,120 K
 TLCI 94

Reference Spectrum Plank

	Lightness	Chroma	Hue
R	1	0	0
R/Y	0	0	-1
Y	0	0	-1
Y/G	0	0	-1
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	-1
B	0	-1	-1
B/M	1	0	2
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	95
Q2 Light skin	97	Q8 Purplish blue	97	Q14 Green	92
Q3 Blue sky	97	Q9 Moderate red	97	Q15 Red	98
Q4 Foliage	96	Q10 Purple	98	Q16 Yellow	88
Q5 Blue flower	98	Q11 Yellow green	86	Q17 Magenta	97
Q6 Bluish green	87	Q12 Orange yellow	98	Q18 Cyan	88