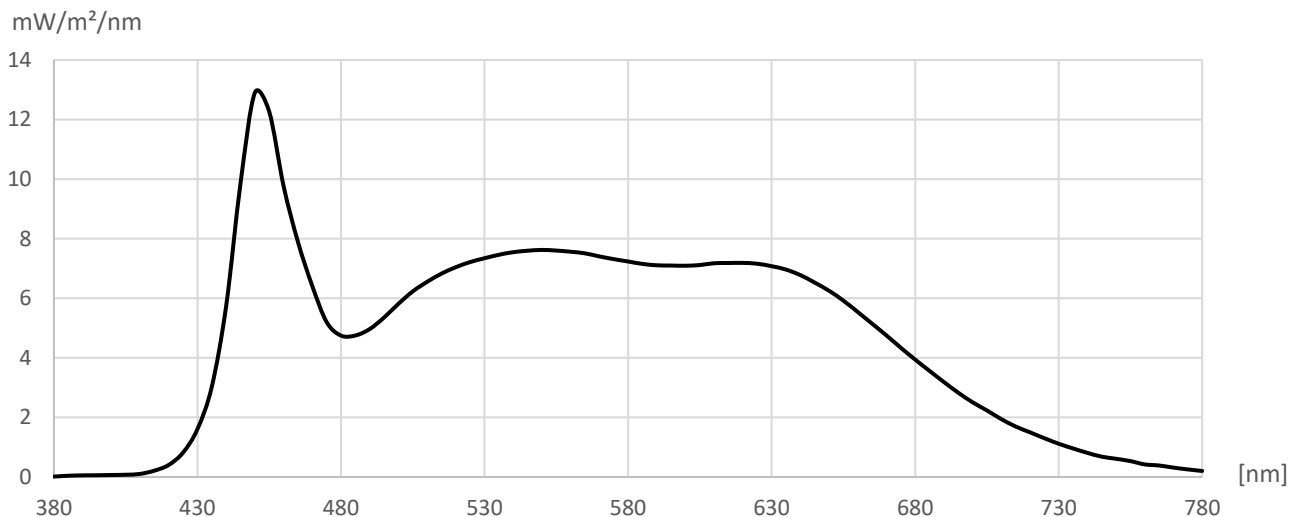


Measurement Protocol



Manufacturer: Flexfire LEDs
Type: LED Strip Light 100 LM/FT
Model: VL10-50K

Measurement file: VL10-50K.CSV
Date of measurement: 28.11.2023
Time of measurement: 17:26:13



R1 = 96.1	Ra = 95.1	Illuminance	521.46 lx	CIE1931
R2 = 96.9	Re = 92.9	Ee	1.864 W/m ²	x = 0.3383
R3 = 94.6	GAI = 92.4	LER	279.7 lm/W	y = 0.3449
R4 = 95.3				
R5 = 95.0	TLCI = 96.0	Correlated Color Temperature (CCT)	5,252 K	CIE1976
R6 = 92.5		Duv	-0.0006	u' = 0.2094
R7 = 96.4	PPFD			v' = 0.4803
R8 = 93.8	[μmol/m ² s]	Saturation	5.00 %	
R9 = 83.8	8.29			CIE1960
R10 = 90.8		Dominant wavelength	568 nm	u = 0.2094
R11 = 94.7		Peak wavelength	450 nm	v = 0.3202
R12 = 73.6				
R13 = 97.0		Flicker frequency	% < 1.0	TM30
R14 = 96.8		Percent Flicker	< 1.0	Rf = 89.0
R15 = 96.5		Flicker index	% < 1.0	Rg = 98.9

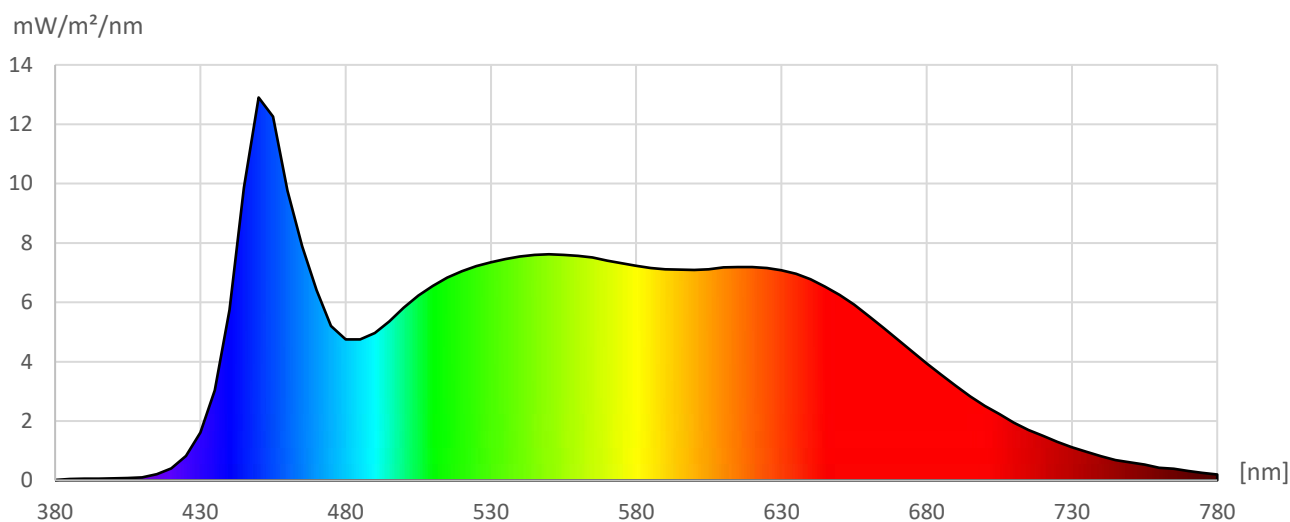
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.02	440	5.75	500	5.82	560	7.56	620	7.19	680	3.94	740	0.81
385	0.04	445	9.86	505	6.23	565	7.51	625	7.16	685	3.56	745	0.68
390	0.06	450	12.90	510	6.55	570	7.40	630	7.08	690	3.19	750	0.61
395	0.06	455	12.26	515	6.83	575	7.31	635	6.96	695	2.83	755	0.53
400	0.07	460	9.77	520	7.04	580	7.23	640	6.78	700	2.51	760	0.42
405	0.08	465	7.89	525	7.22	585	7.15	645	6.53	705	2.24	765	0.39
410	0.10	470	6.41	530	7.34	590	7.11	650	6.25	710	1.95	770	0.32
415	0.21	475	5.20	535	7.46	595	7.10	655	5.92	715	1.70	775	0.25
420	0.41	480	4.75	540	7.55	600	7.09	660	5.54	720	1.50	780	0.20
425	0.82	485	4.75	545	7.60	605	7.12	665	5.15	725	1.30		
430	1.61	490	4.97	550	7.62	610	7.18	670	4.75	730	1.12		
435	3.04	495	5.35	555	7.60	615	7.18	675	4.34	735	0.96		

Measurement Protocol



Manufacturer: Flexfire LEDs
 Type: LED Strip Light 100 LM/FT
 Model: VL10-50K

Measurement file: VL10-50K.CSV
 Date of measurement: 28.11.2023
 Time of measurement: 17:26:13



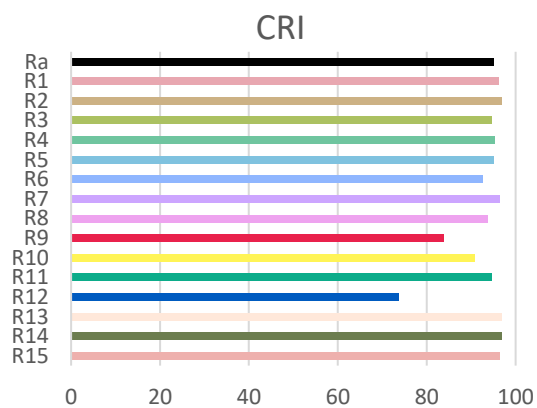
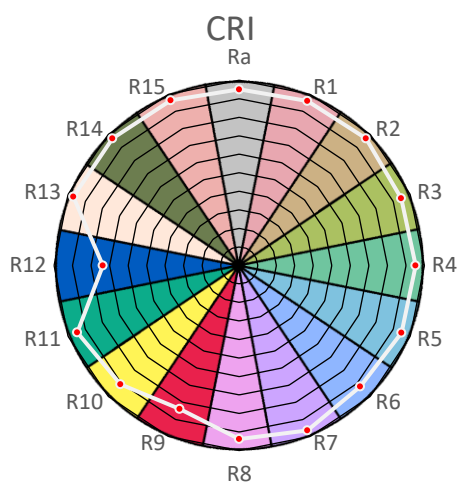
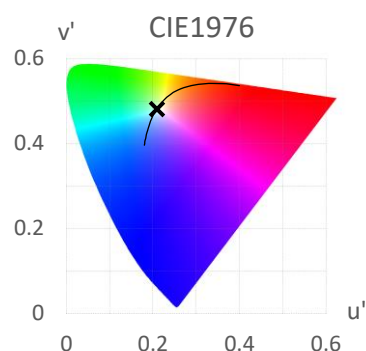
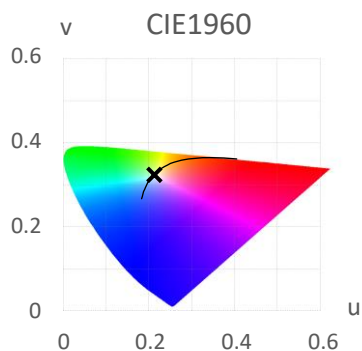
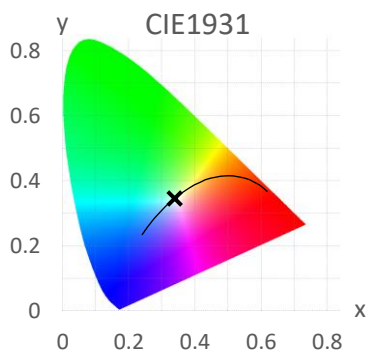
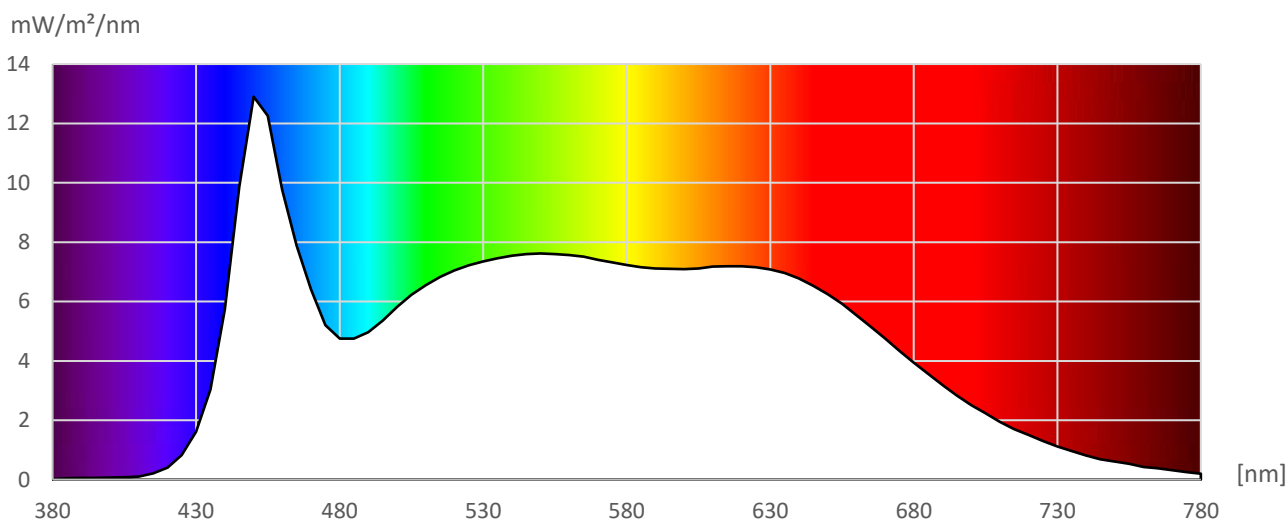
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.02	535	7.46	690	3.19								
385	0.04	540	7.55	695	2.83								
390	0.06	545	7.60	700	2.51								
395	0.06	550	7.62	705	2.24								
400	0.07	555	7.60	710	1.95								
405	0.08	560	7.56	715	1.70								
410	0.10	565	7.51	720	1.50								
415	0.21	570	7.40	725	1.30								
420	0.41	575	7.31	730	1.12								
425	0.82	580	7.23	735	0.96								
430	1.61	585	7.15	740	0.81								
435	3.04	590	7.11	745	0.68								
440	5.75	595	7.10	750	0.61								
445	9.86	600	7.09	755	0.53								
450	12.90	605	7.12	760	0.42								
455	12.26	610	7.18	765	0.39								
460	9.77	615	7.18	770	0.32								
465	7.89	620	7.19	775	0.25								
470	6.41	625	7.16	780	0.20								
475	5.20	630	7.08										
480	4.75	635	6.96										
485	4.75	640	6.78										
490	4.97	645	6.53										
495	5.35	650	6.25										
500	5.82	655	5.92										
505	6.23	660	5.54										
510	6.55	665	5.15										
515	6.83	670	4.75										
520	7.04	675	4.34										
525	7.22	680	3.94										
530	7.34	685	3.56										

Measurement Protocol



Manufacturer: Flexfire LEDs
Type: LED Strip Light 100 LM/FT
Model: VL10-50K

Measurement file: VL10-50K.CSV
Date of measurement: 28.11.2023
Time of measurement: 17:26:13

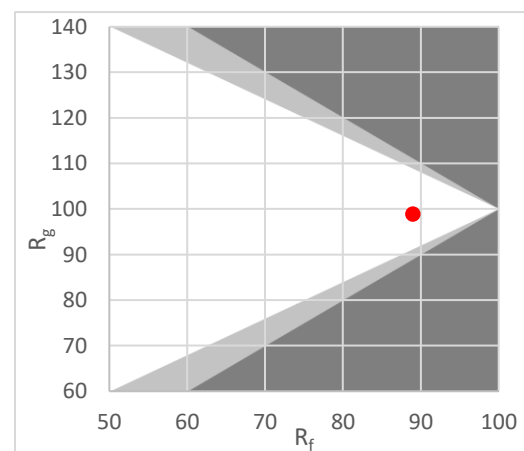
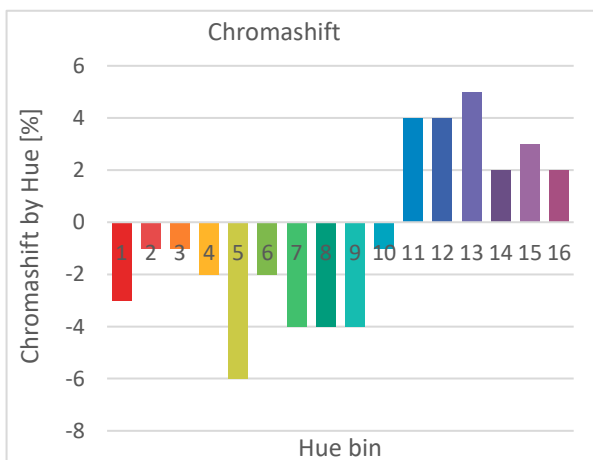
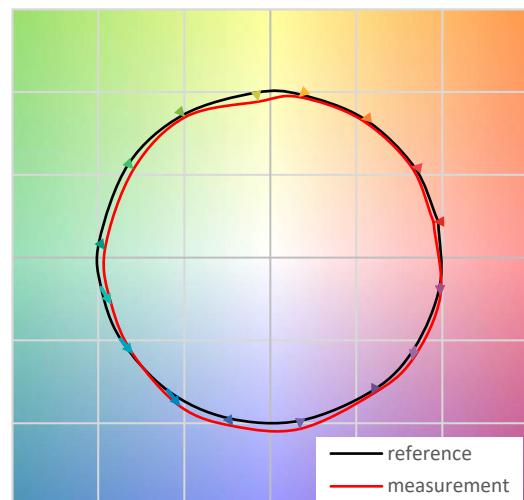
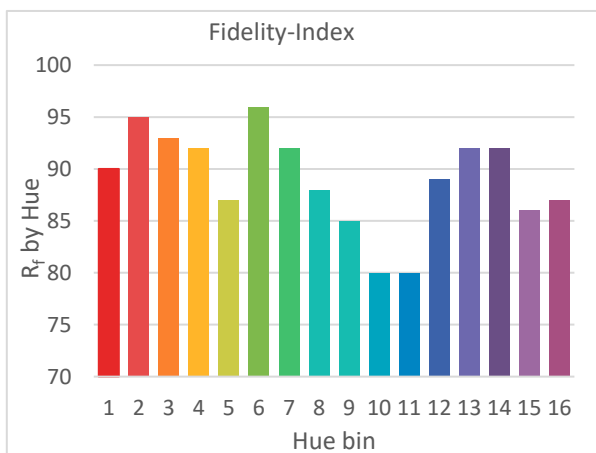
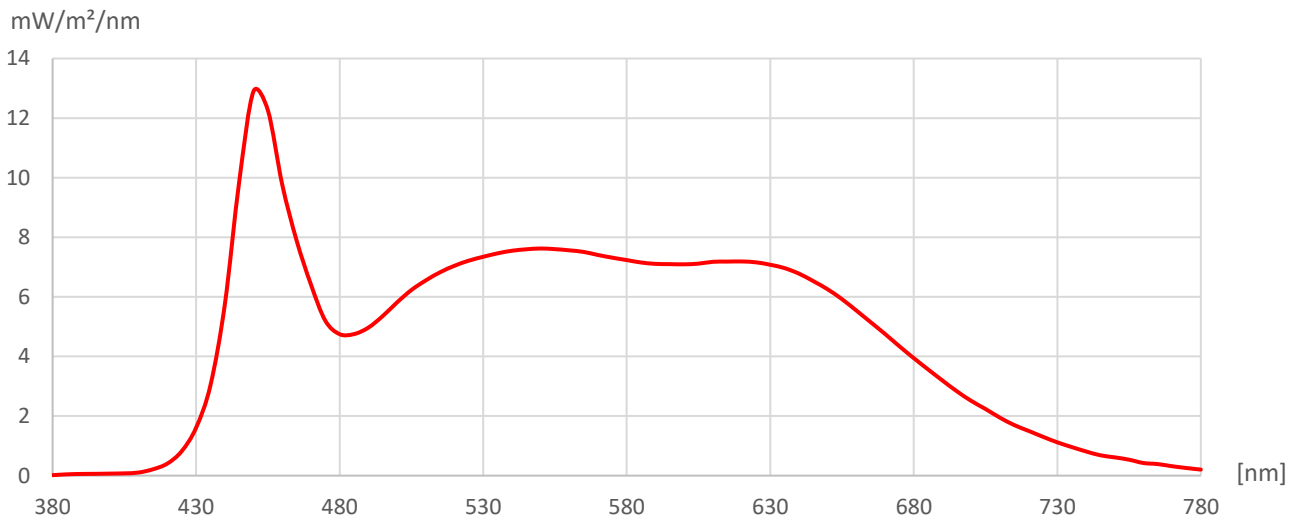


Measurement Protocol



Manufacturer: Flexfire LEDs
Type: LED Strip Light 100 LM/FT
Model: VL10-50K

Measurement file: VL10-50K.CSV
Date of measurement: 28.11.2023
Time of measurement: 17:26:13

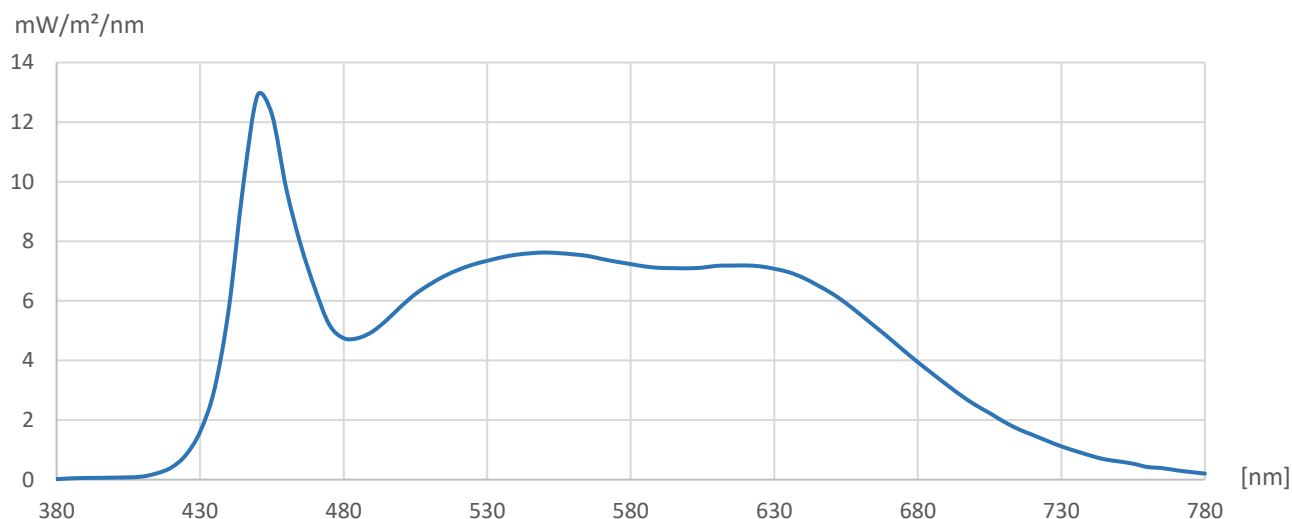


Measurement Protocol



Manufacturer: Flexfire LEDs
 Type: LED Strip Light 100 LM/FT
 Model: VL10-50K

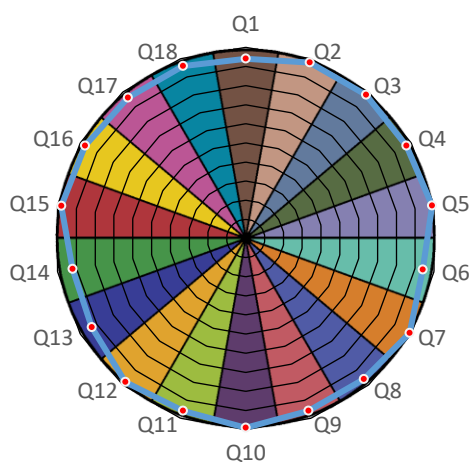
Measurement file: VL10-50K.CSV
 Date of measurement: 28.11.2023
 Time of measurement: 17:26:13



correlated color temperature (CCT) 5,252 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	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	-1
B	0	-2	-1
B/M	0	-1	0
M	0	0	1
M/R	1	0	1



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