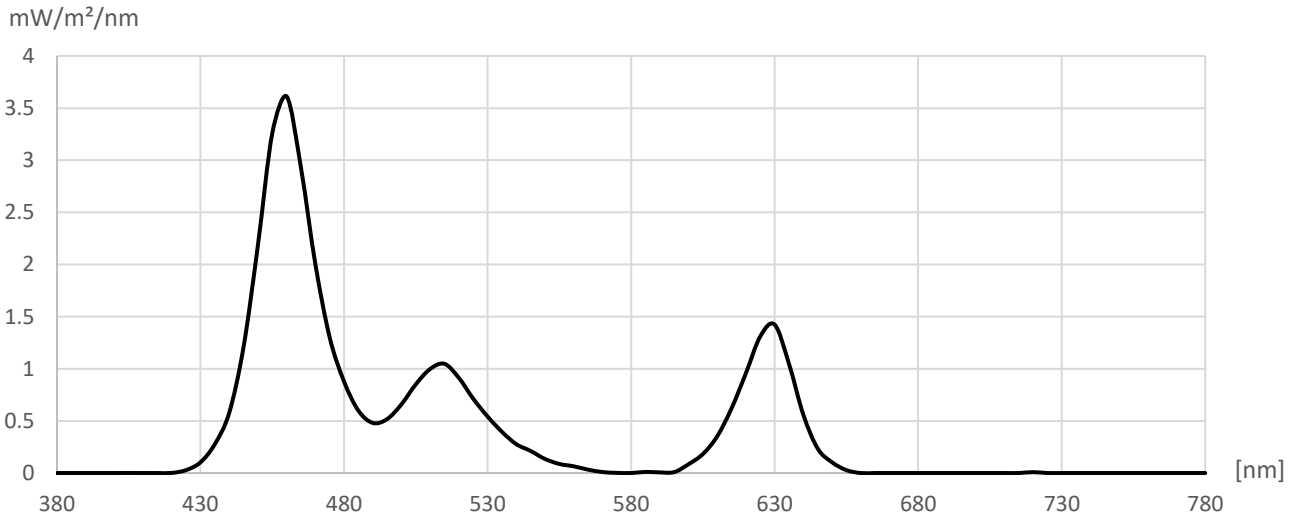


# Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.  
 Type: RGB LED Sign Modules  
 Model: MOD-RGB

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:45:22



R1 = -	Ra = -	Illuminance	28.10 lx	CIE1931
R2 = -	Re = -	Ee	0.169 W/m <sup>2</sup>	x = 0.2170
R3 = -	GAI = -	LER	166.1 lm/W	y = 0.1680
R4 = -				
R5 = -	TLCI = 0.0	Correlated Color Temperature (CCT)	> 50000	CIE1976
R6 = -		Duv	-	u' = 0.1895
R7 = -	PPFD			v' = 0.3299
R8 = -	[μmol/m <sup>2</sup> s]	Saturation	58.00 %	
R9 = -	0.73			CIE1960
R10 = -		Dominant wavelength	461 nm	u = 0.1895
R11 = -		Peak wavelength	459 nm	v = 0.2200
R12 = -				
R13 = -		Flicker frequency	% < 1.0	TM30
R14 = -		Percent Flicker	< 1.0	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

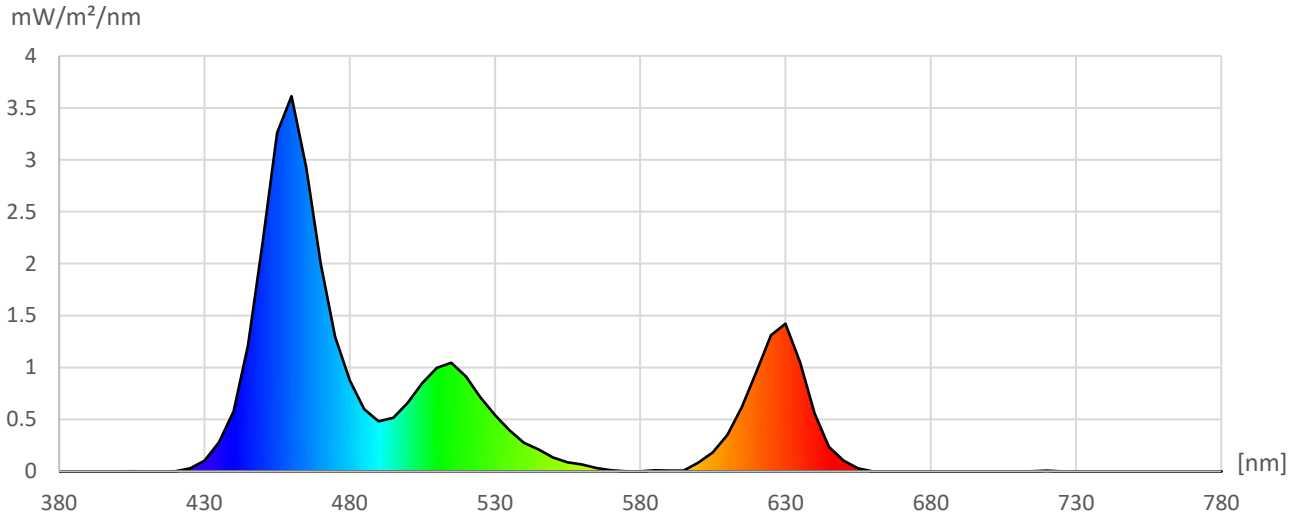
[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0.00	440	0.58	500	0.66	560	0.06	620	0.96	680	0.00	740	0.00
385	0.00	445	1.21	505	0.85	565	0.03	625	1.31	685	0.00	745	0.00
390	0.00	450	2.19	510	1.00	570	0.01	630	1.42	690	0.00	750	0.00
395	0.00	455	3.26	515	1.05	575	0.00	635	1.05	695	0.00	755	0.00
400	0.00	460	3.61	520	0.91	580	0.00	640	0.56	700	0.00	760	0.00
405	0.00	465	2.93	525	0.71	585	0.01	645	0.23	705	0.00	765	0.00
410	0.00	470	2.00	530	0.54	590	0.01	650	0.10	710	0.00	770	0.00
415	0.00	475	1.30	535	0.40	595	0.01	655	0.03	715	0.00	775	0.00
420	0.00	480	0.88	540	0.28	600	0.08	660	0.00	720	0.01	780	0.00
425	0.03	485	0.60	545	0.21	605	0.18	665	0.00	725	0.00		
430	0.10	490	0.48	550	0.13	610	0.35	670	0.00	730	0.00		
435	0.28	495	0.52	555	0.09	615	0.62	675	0.00	735	0.00		

# Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.  
 Type: RGB LED Sign Modules  
 Model: MOD-RGB

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:45:22



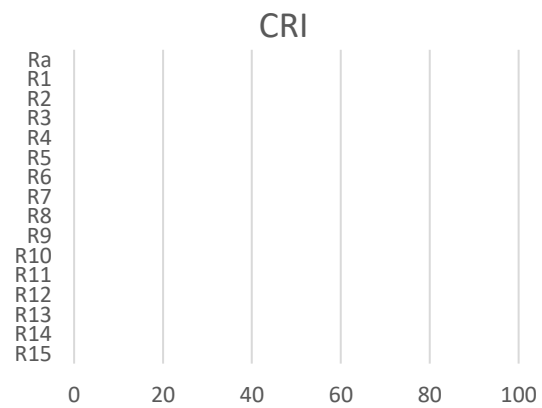
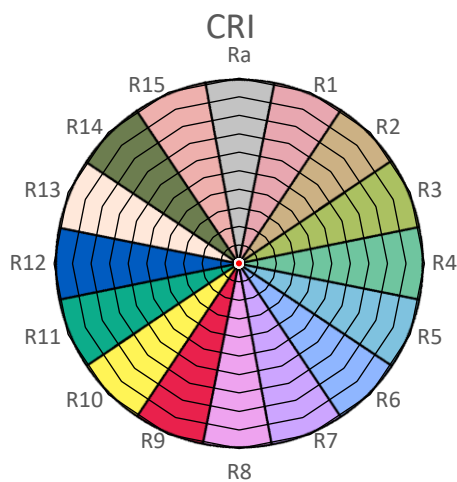
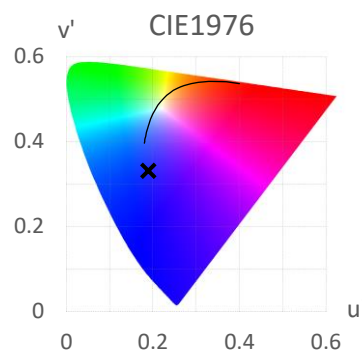
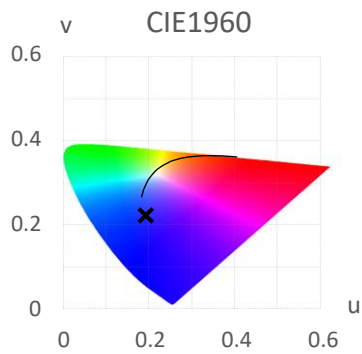
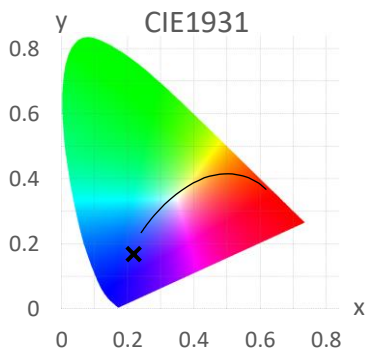
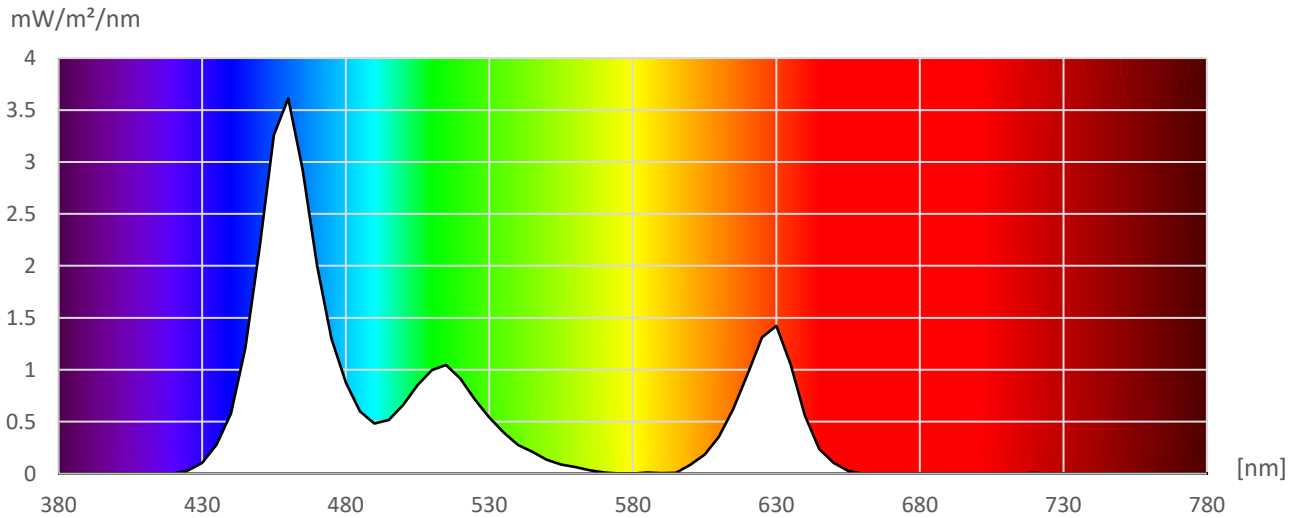
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0.00	535	0.40	690	0.00								
385	0.00	540	0.28	695	0.00								
390	0.00	545	0.21	700	0.00								
395	0.00	550	0.13	705	0.00								
400	0.00	555	0.09	710	0.00								
405	0.00	560	0.06	715	0.00								
410	0.00	565	0.03	720	0.01								
415	0.00	570	0.01	725	0.00								
420	0.00	575	0.00	730	0.00								
425	0.03	580	0.00	735	0.00								
430	0.10	585	0.01	740	0.00								
435	0.28	590	0.01	745	0.00								
440	0.58	595	0.01	750	0.00								
445	1.21	600	0.08	755	0.00								
450	2.19	605	0.18	760	0.00								
455	3.26	610	0.35	765	0.00								
460	3.61	615	0.62	770	0.00								
465	2.93	620	0.96	775	0.00								
470	2.00	625	1.31	780	0.00								
475	1.30	630	1.42										
480	0.88	635	1.05										
485	0.60	640	0.56										
490	0.48	645	0.23										
495	0.52	650	0.10										
500	0.66	655	0.03										
505	0.85	660	0.00										
510	1.00	665	0.00										
515	1.05	670	0.00										
520	0.91	675	0.00										
525	0.71	680	0.00										
530	0.54	685	0.00										

# Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.  
 Type: RGB LED Sign Modules  
 Model: MOD-RGB

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:45:22

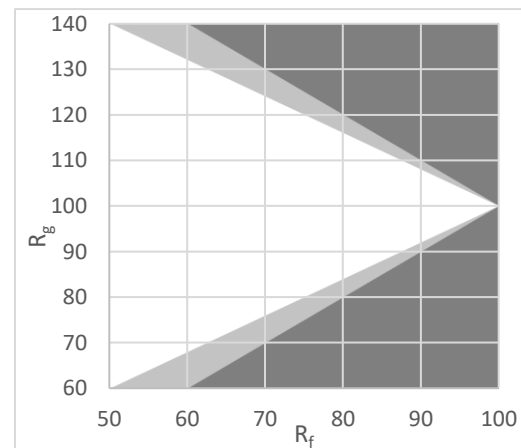
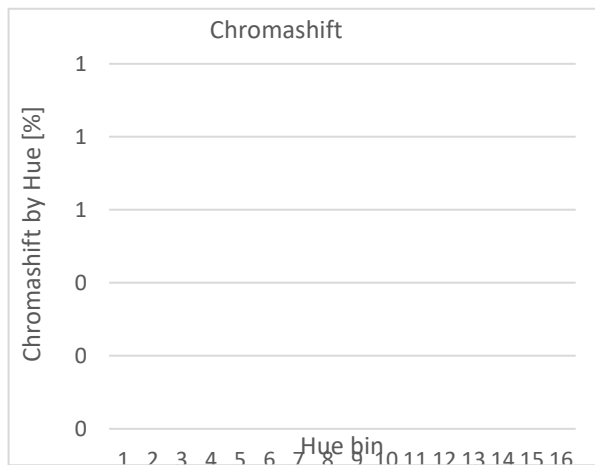
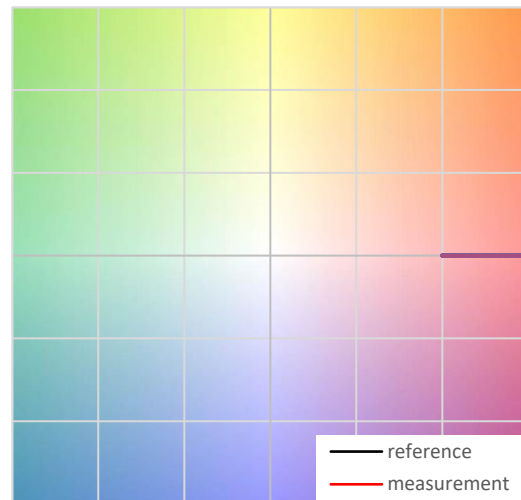
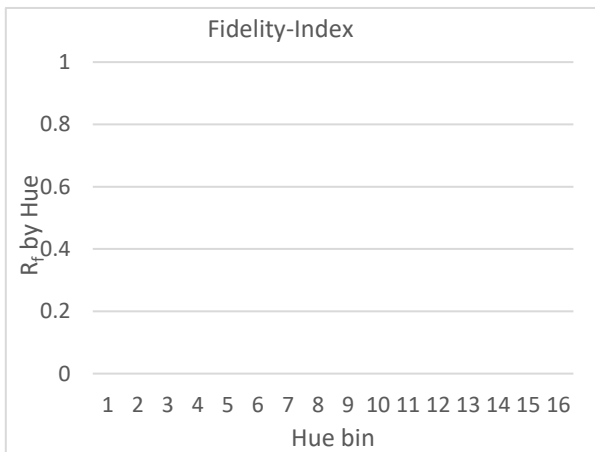
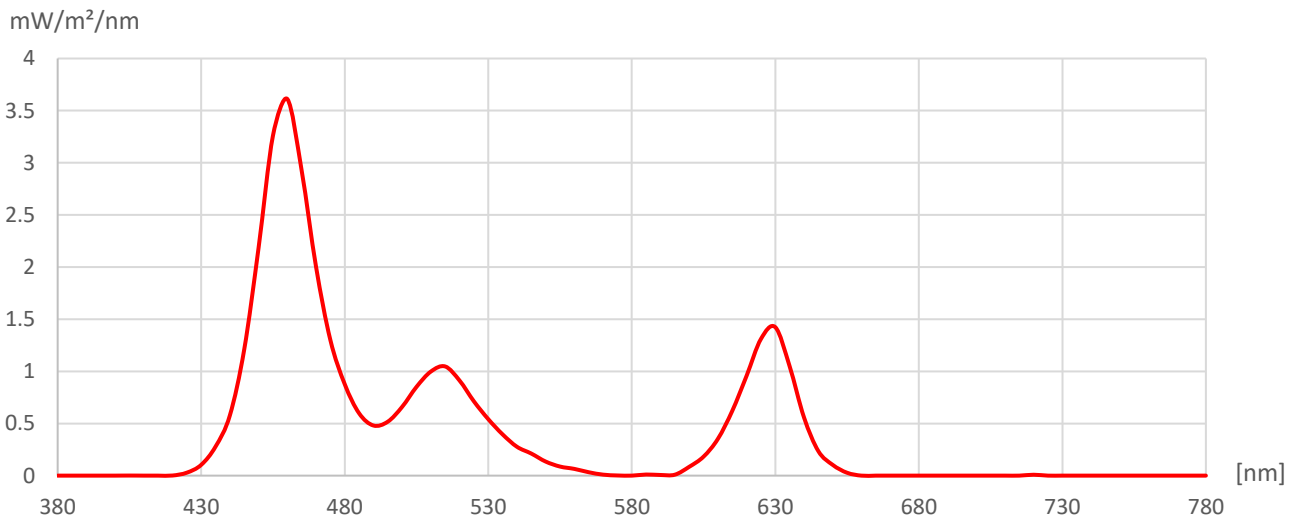


# Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.  
 Type: RGB LED Sign Modules  
 Model: MOD-RGB

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:45:22

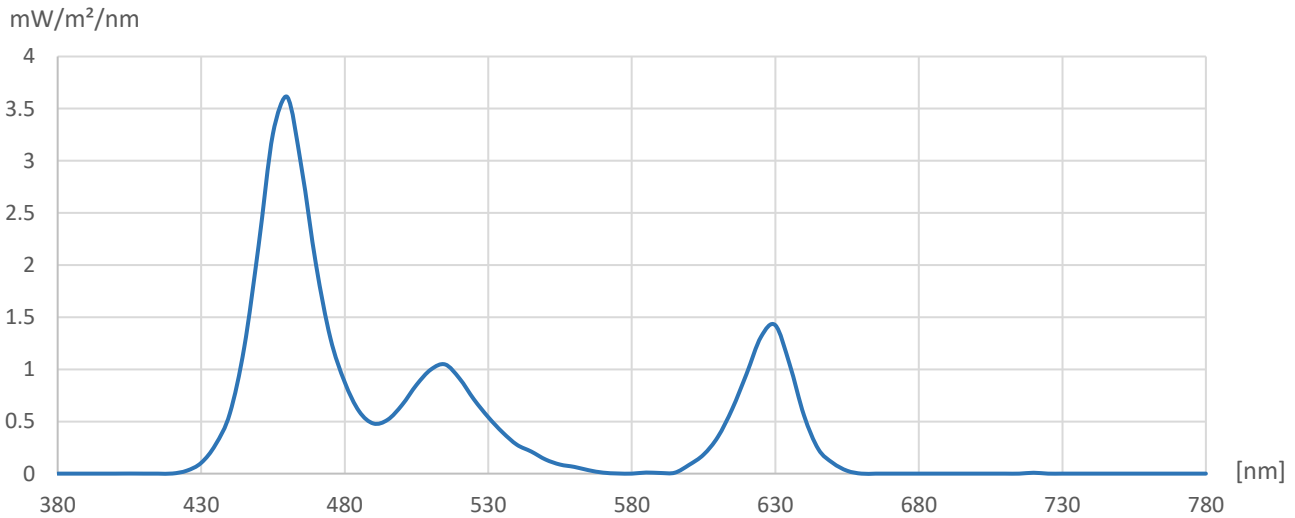


# Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.  
 Type: RGB LED Sign Modules  
 Model: MOD-RGB

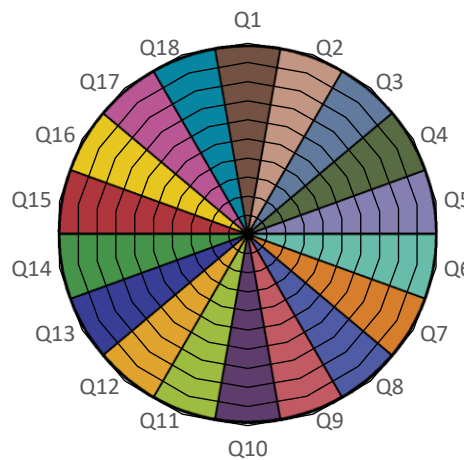
Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:45:22



correlated color temperature (CCT) > 50000  
 TLCI 0

Referencec Spectrum Daylight

	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	0
G/C	0	0	0
C	0	0	0
C/B	0	0	0
B	0	0	0
B/M	0	0	0
M	0	0	0
M/R	0	0	0



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	65535	Q7 Orange	65535	Q13 Blue	65535
Q2 Light skin	65535	Q8 Purplish blue	65535	Q14 Green	65535
Q3 Blue sky	65535	Q9 Moderate red	65535	Q15 Red	65535
Q4 Foliage	65535	Q10 Purple	65535	Q16 Yellow	65535
Q5 Blue flower	65535	Q11 Yellow green	65535	Q17 Magenta	65535
Q6 Bluish green	65535	Q12 Orange yellow	65535	Q18 Cyan	65535