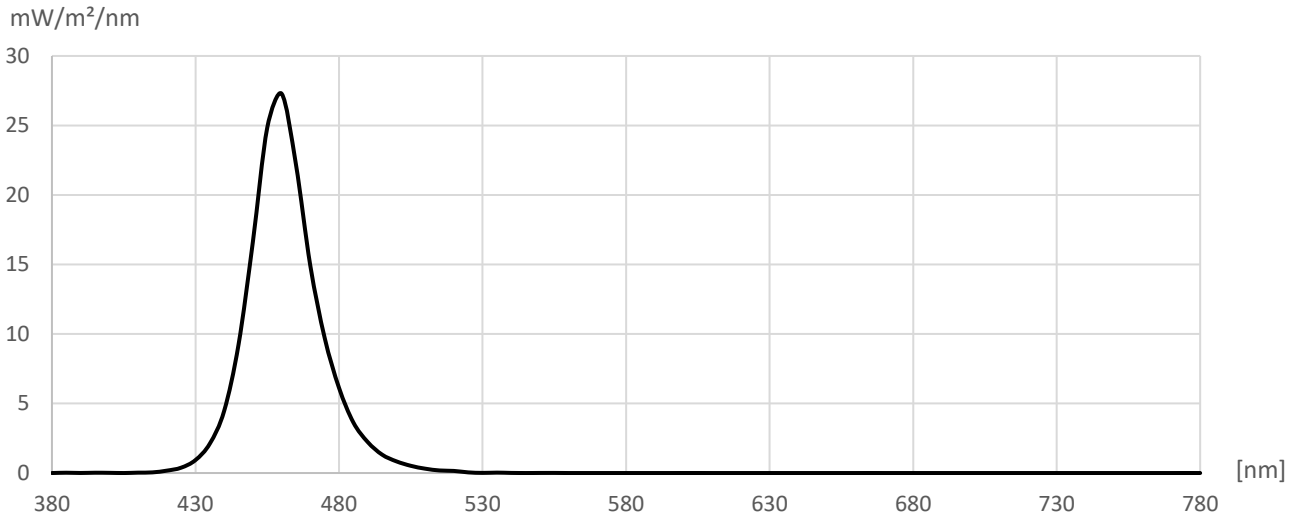


# Measurement Protocol



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

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:43:18



R1 = -	Ra = -	Illuminance	38.35 lx	CIE1931
R2 = -	Re = -	Ee	0.742 W/m <sup>2</sup>	x = 0.1413
R3 = -	GAI = -	LER	51.7 lm/W	y = 0.0416
R4 = -				
R5 = -	TLCI = 0.0	Correlated Color Temperature (CCT)	> 50000	CIE1976
R6 = -		Duv	-	u' = 0.1757
R7 = -	PPFD			v' = 0.1163
R8 = -	[μmol/m <sup>2</sup> s]	Saturation	98.70 %	
R9 = -	2.88			CIE1960
R10 = -		Dominant wavelength	456 nm	u = 0.1757
R11 = -		Peak wavelength	459 nm	v = 0.0775
R12 = -				
R13 = -		Flicker frequency	% < 1.0	TM30
R14 = -		Percent Flicker	< 1.0	Rf = -
R15 = -		Flicker index	% < 1.0	Rg = -

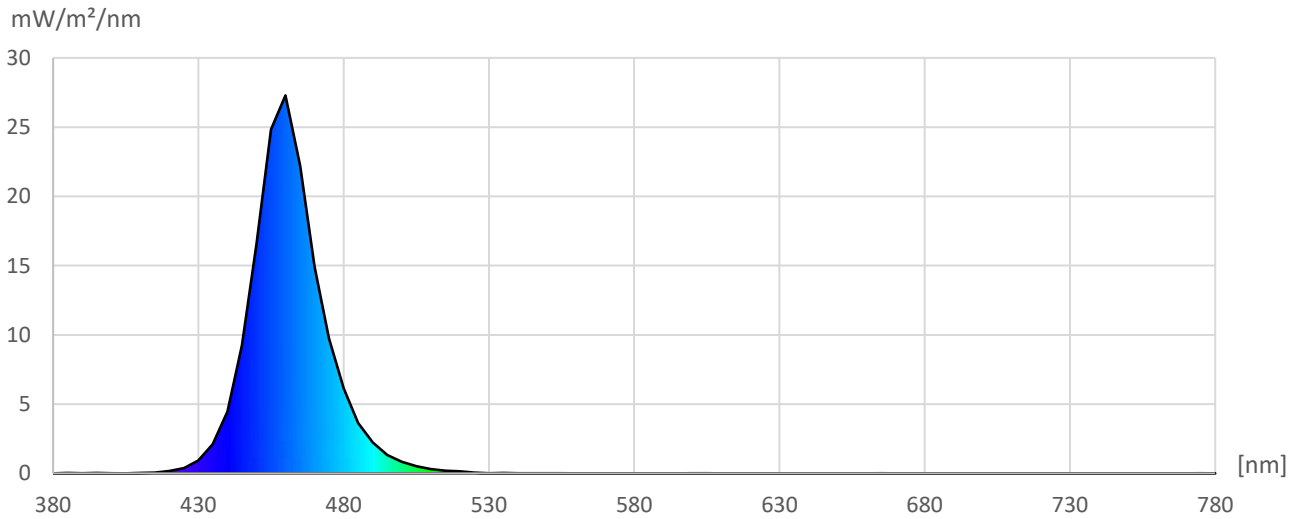
[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm	[nm]	mW/m <sup>2</sup> /nm
380	0.00	440	4.47	500	0.84	560	0.00	620	0.00	680	0.00	740	0.00
385	0.02	445	9.24	505	0.52	565	0.00	625	0.00	685	0.00	745	0.00
390	0.00	450	16.64	510	0.31	570	0.00	630	0.00	690	0.00	750	0.00
395	0.02	455	24.84	515	0.18	575	0.00	635	0.00	695	0.00	755	0.00
400	0.01	460	27.29	520	0.15	580	0.00	640	0.00	700	0.00	760	0.00
405	0.00	465	22.20	525	0.05	585	0.00	645	0.00	705	0.00	765	0.00
410	0.03	470	14.92	530	0.01	590	0.00	650	0.00	710	0.00	770	0.00
415	0.05	475	9.73	535	0.03	595	0.00	655	0.00	715	0.00	775	0.00
420	0.17	480	6.13	540	0.01	600	0.00	660	0.00	720	0.00	780	0.00
425	0.38	485	3.64	545	0.00	605	0.00	665	0.00	725	0.00		
430	0.93	490	2.23	550	0.00	610	0.00	670	0.00	730	0.00		
435	2.12	495	1.32	555	0.01	615	0.00	675	0.00	735	0.00		

# Measurement Protocol



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 Type: RGB LED Sign Modules  
 Model: MOD-RGB (Blue)

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:43:18



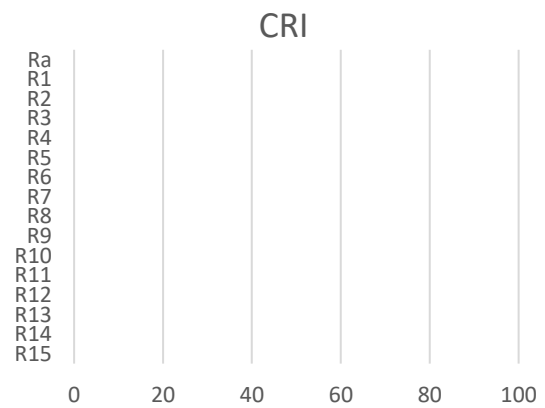
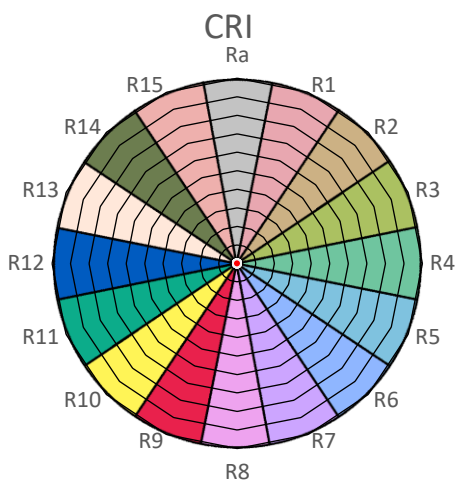
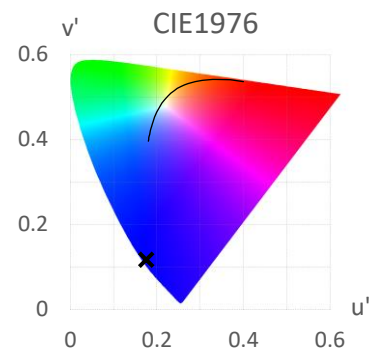
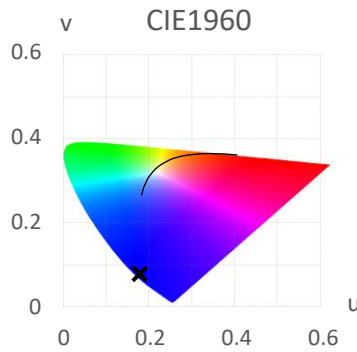
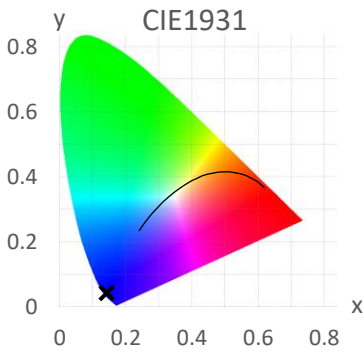
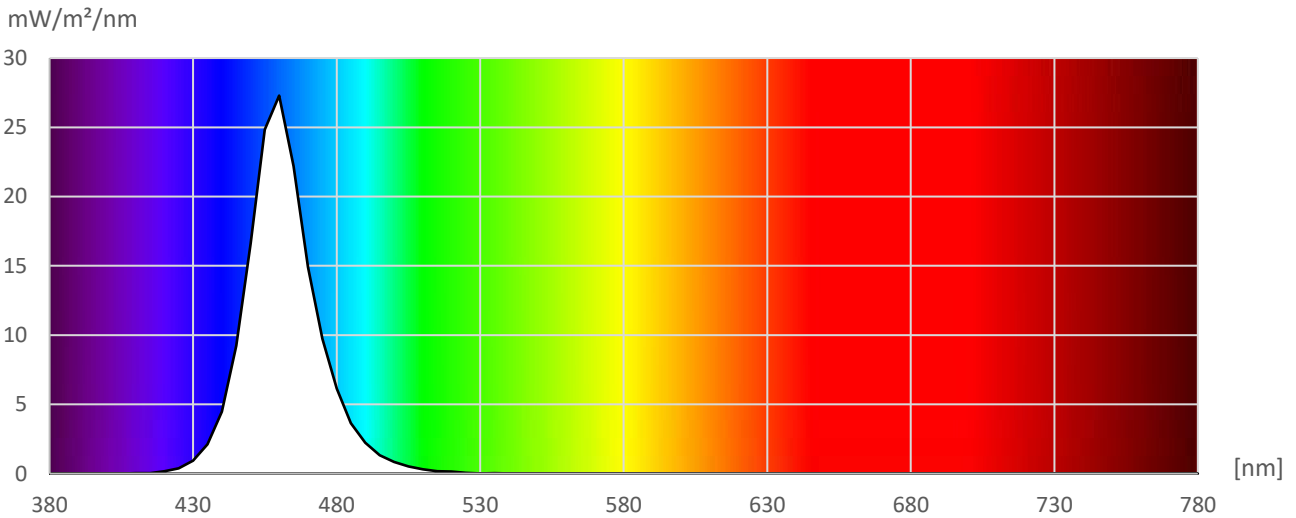
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	0.00	535	0.03	690	0.00								
385	0.02	540	0.01	695	0.00								
390	0.00	545	0.00	700	0.00								
395	0.02	550	0.00	705	0.00								
400	0.01	555	0.01	710	0.00								
405	0.00	560	0.00	715	0.00								
410	0.03	565	0.00	720	0.00								
415	0.05	570	0.00	725	0.00								
420	0.17	575	0.00	730	0.00								
425	0.38	580	0.00	735	0.00								
430	0.93	585	0.00	740	0.00								
435	2.12	590	0.00	745	0.00								
440	4.47	595	0.00	750	0.00								
445	9.24	600	0.00	755	0.00								
450	16.64	605	0.00	760	0.00								
455	24.84	610	0.00	765	0.00								
460	27.29	615	0.00	770	0.00								
465	22.20	620	0.00	775	0.00								
470	14.92	625	0.00	780	0.00								
475	9.73	630	0.00										
480	6.13	635	0.00										
485	3.64	640	0.00										
490	2.23	645	0.00										
495	1.32	650	0.00										
500	0.84	655	0.00										
505	0.52	660	0.00										
510	0.31	665	0.00										
515	0.18	670	0.00										
520	0.15	675	0.00										
525	0.05	680	0.00										
530	0.01	685	0.00										

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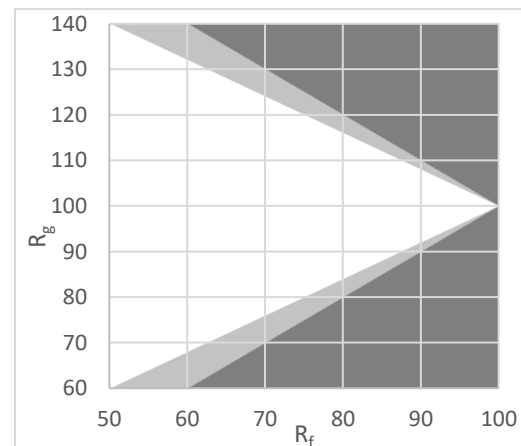
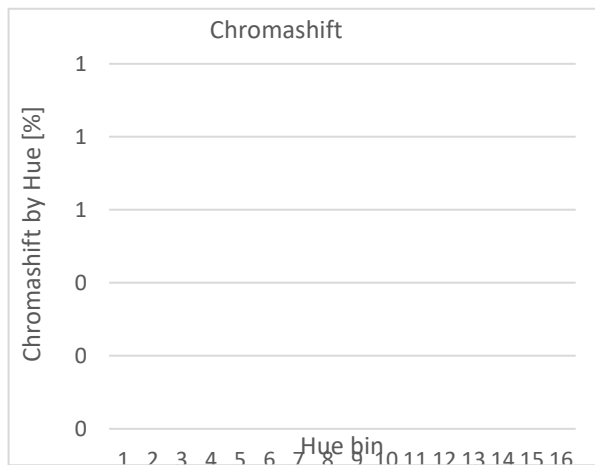
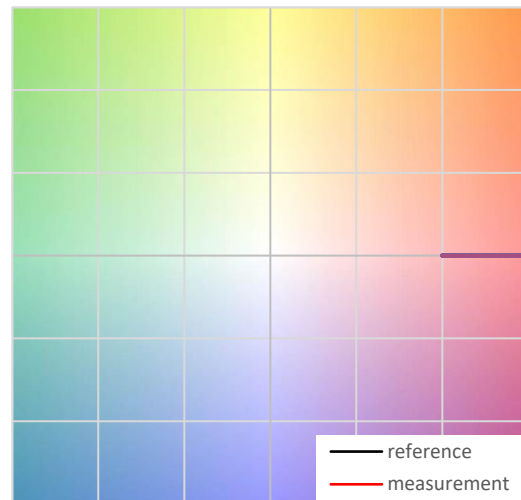
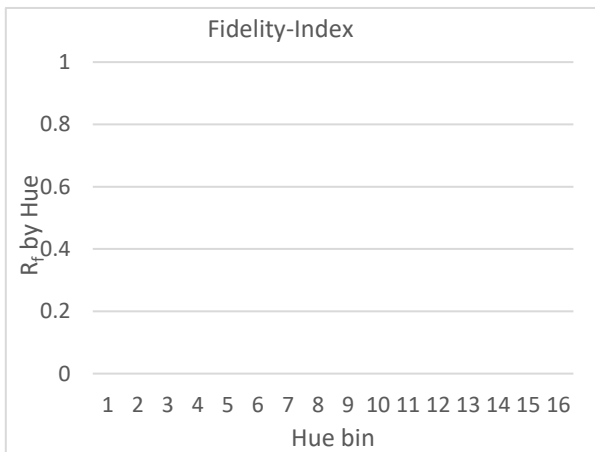
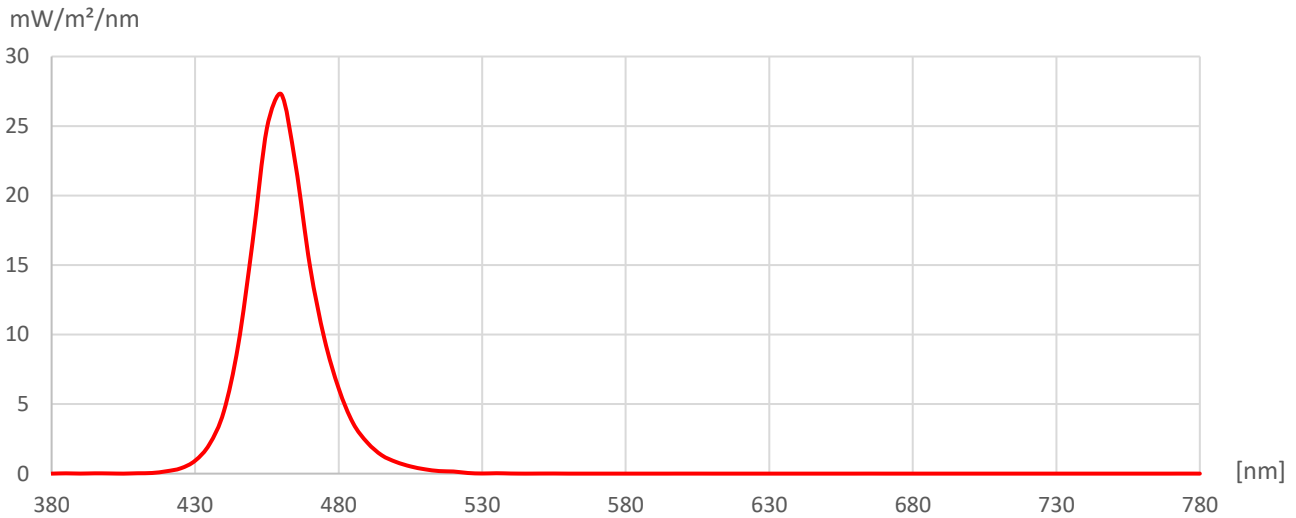


# Measurement Protocol



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

Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
 Time of measurement: 15:43:18

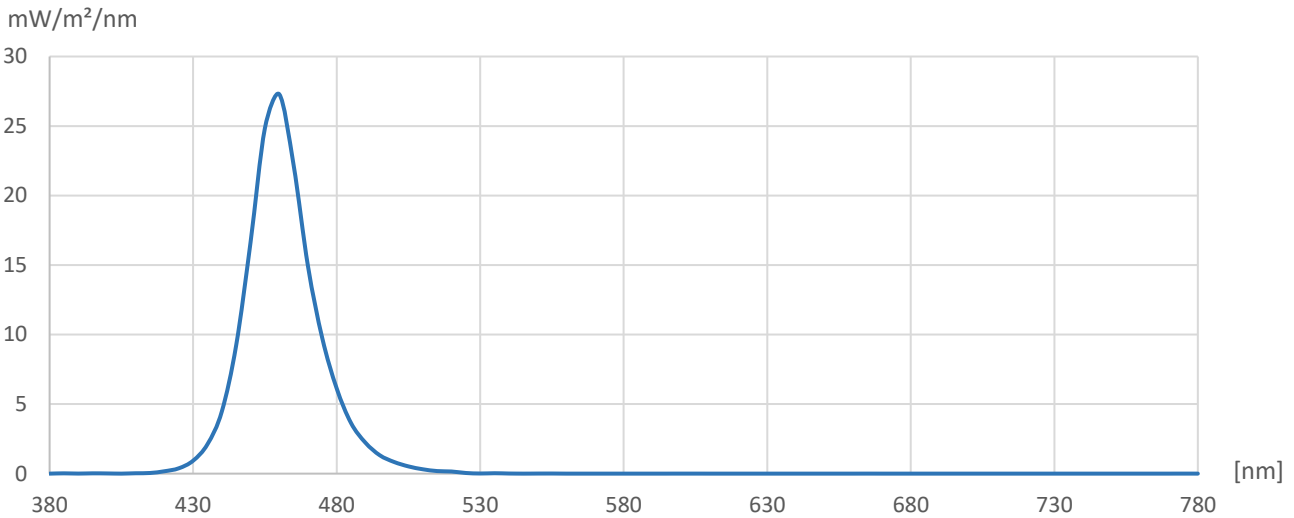


# Measurement Protocol



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

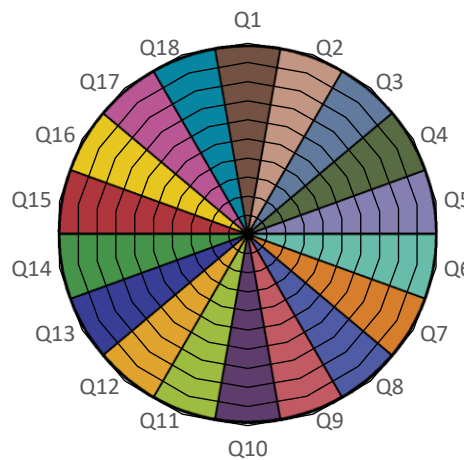
Measurement file: MOD-RGB.CSV  
 Date of measurement: 25.10.2023  
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correlated color temperature (CCT) > 50000  
 TLCI 0

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