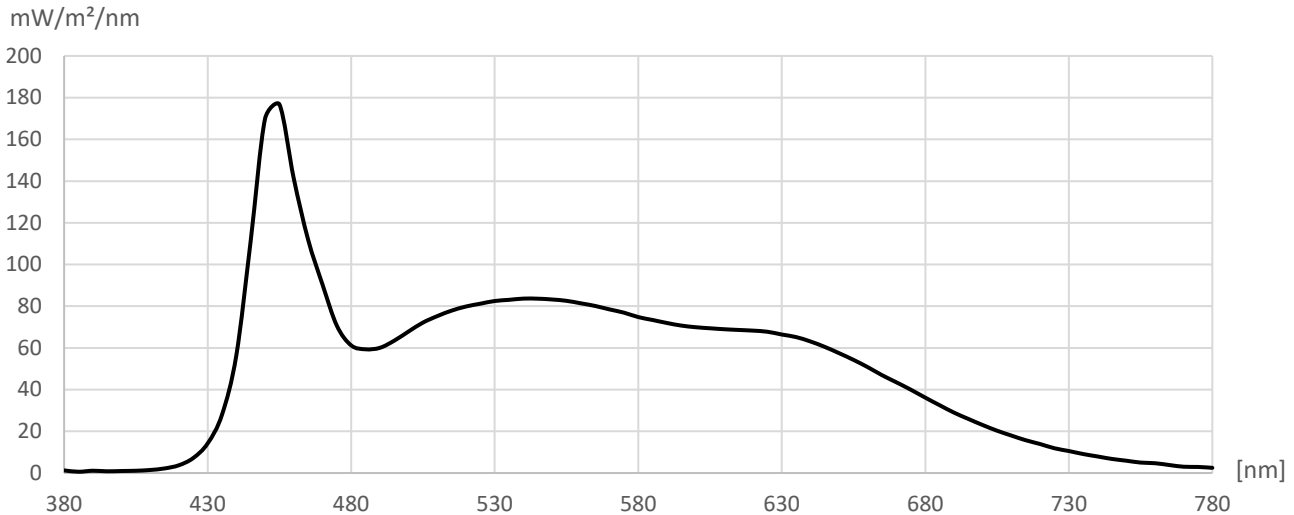


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: UltraBright™ Industrial Series LED Strip Light
 Model: UB-IS-62K90C

Measurement file: UB-IS-62K90C.CSV
 Date of measurement: 08.05.2023
 Time of measurement: 12:15:49



R1 = 95.1	Ra = 94.2	Illuminance	5,586.14 lx	CIE1931
R2 = 97.6	Re = 91.7	Ee	20.226 W/m ²	x = 0.3137
R3 = 95.6	GAI = 95.6	LER	276.2 lm/W	y = 0.3270
R4 = 92.5				
R5 = 92.6	TLCI = 95.0	Correlated Color Temperature (CCT)	6,463 K	CIE1976
R6 = 91.9		Duv	0.0017	u' = 0.1993
R7 = 95.6	PPFD			v' = 0.4674
R8 = 92.6	[μmol/m ² s]	Saturation	7.20 %	
R9 = 83.1	88.81			CIE1960
R10 = 91.8		Dominant wavelength	485 nm	u = 0.1993
R11 = 92.9		Peak wavelength	453 nm	v = 0.3116
R12 = 65.7				
R13 = 97.0		Flicker frequency	% < 1.0	TM30
R14 = 97.7		Percent Flicker	< 1.0	Rf = 88.1
R15 = 93.8		Flicker index	% < 1.0	Rg = 98.4

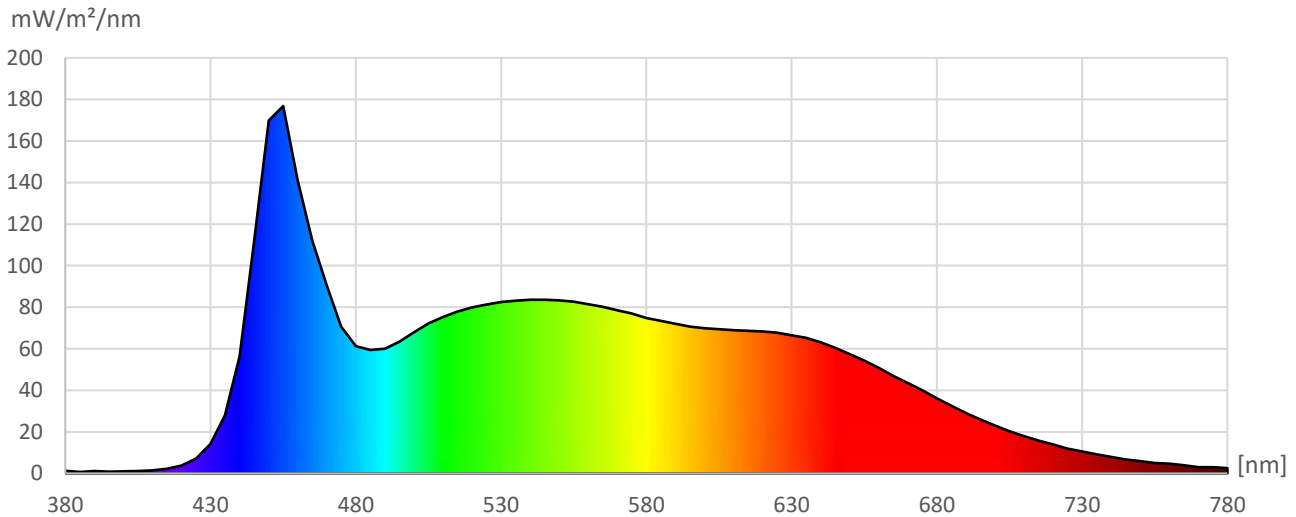
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	1.25	440	56.49	500	67.87	560	81.39	620	68.28	680	36.15	740	7.94
385	0.62	445	111.40	505	72.13	565	80.11	625	67.74	685	32.51	745	6.75
390	1.09	450	169.90	510	75.25	570	78.45	630	66.42	690	28.97	750	5.91
395	0.82	455	176.80	515	77.88	575	76.91	635	65.19	695	25.94	755	5.01
400	0.98	460	141.27	520	79.85	580	74.78	640	63.08	700	23.01	760	4.71
405	1.08	465	111.93	525	81.20	585	73.39	645	60.47	705	20.30	765	3.84
410	1.46	470	90.46	530	82.49	590	71.94	650	57.45	710	17.96	770	3.02
415	2.20	475	70.69	535	83.05	595	70.70	655	54.25	715	15.72	775	2.91
420	3.73	480	61.21	540	83.64	600	69.92	660	50.73	720	13.90	780	2.49
425	7.21	485	59.34	545	83.60	605	69.41	665	46.87	725	11.86		
430	14.18	490	60.03	550	83.22	610	68.95	670	43.45	730	10.55		
435	27.96	495	63.46	555	82.58	615	68.60	675	39.93	735	9.11		

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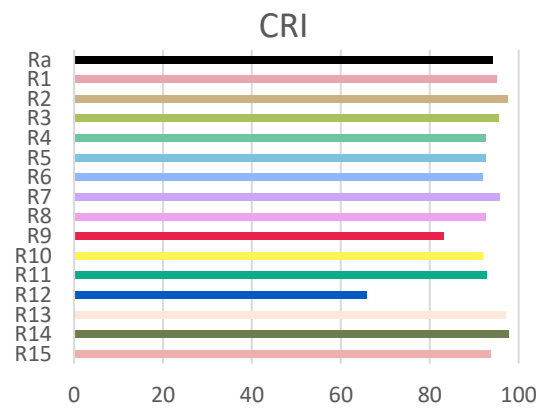
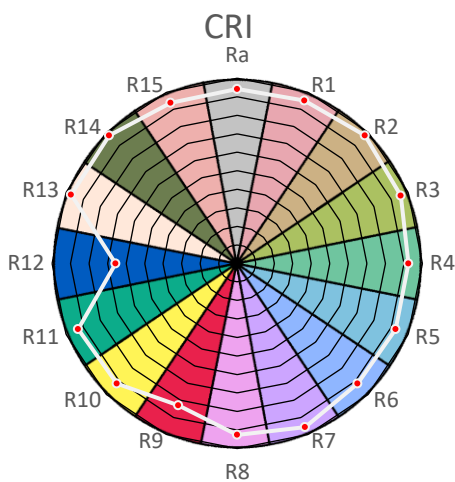
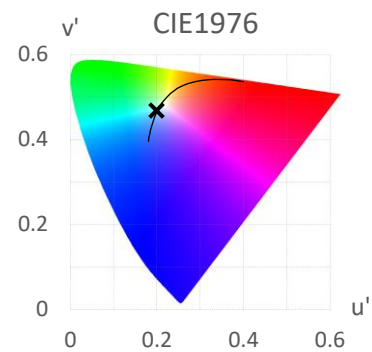
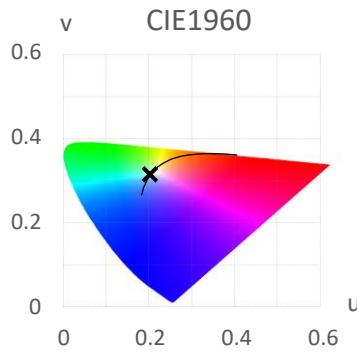
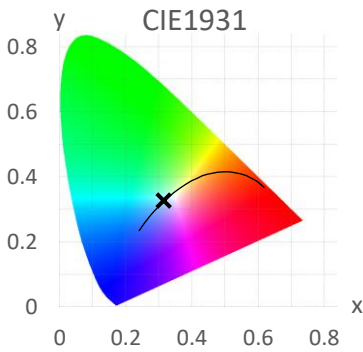
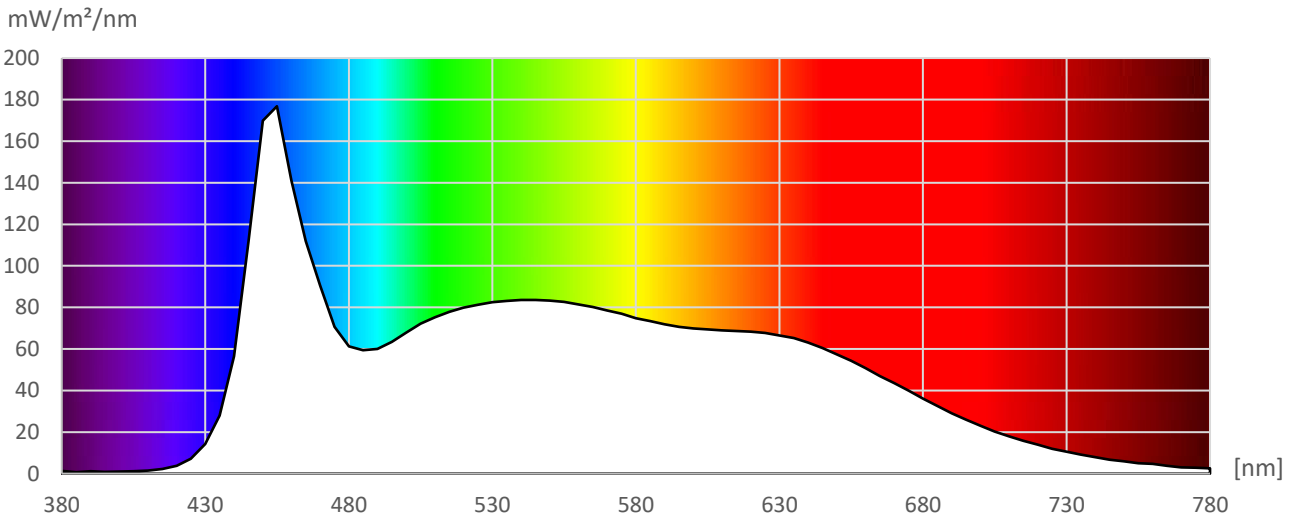
[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm	[nm]	mW/m²/nm
380	1.25	535	83.05	690	28.97								
385	0.62	540	83.64	695	25.94								
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470	90.46	625	67.74	780	2.49								
475	70.69	630	66.42										
480	61.21	635	65.19										
485	59.34	640	63.08										
490	60.03	645	60.47										
495	63.46	650	57.45										
500	67.87	655	54.25										
505	72.13	660	50.73										
510	75.25	665	46.87										
515	77.88	670	43.45										
520	79.85	675	39.93										
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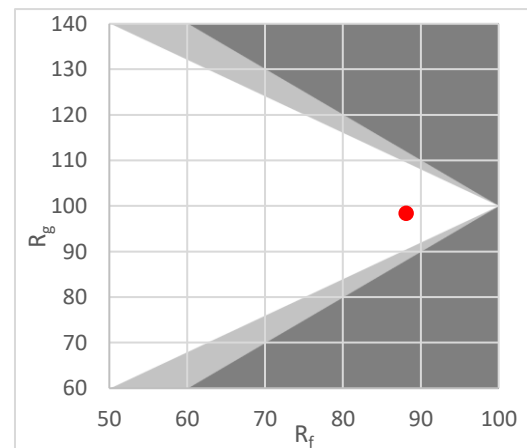
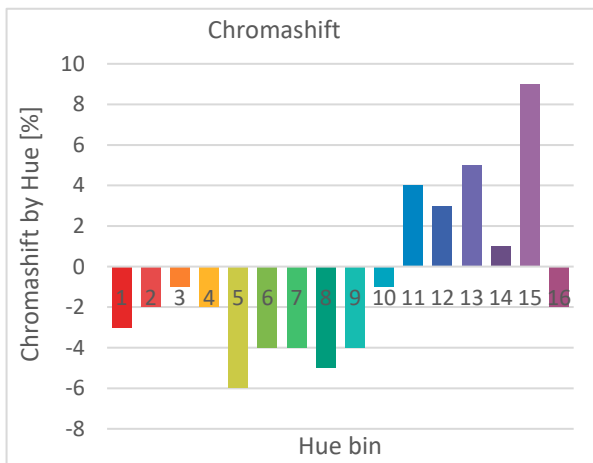
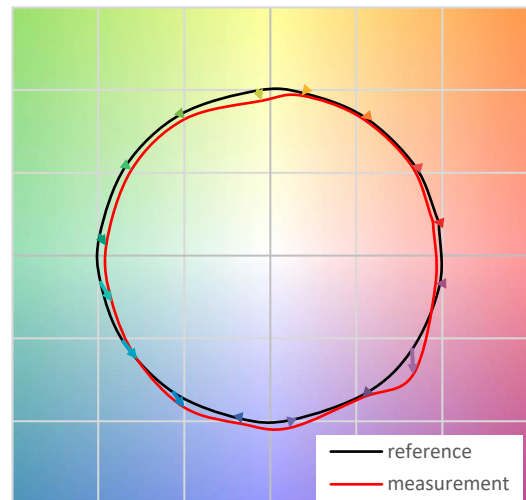
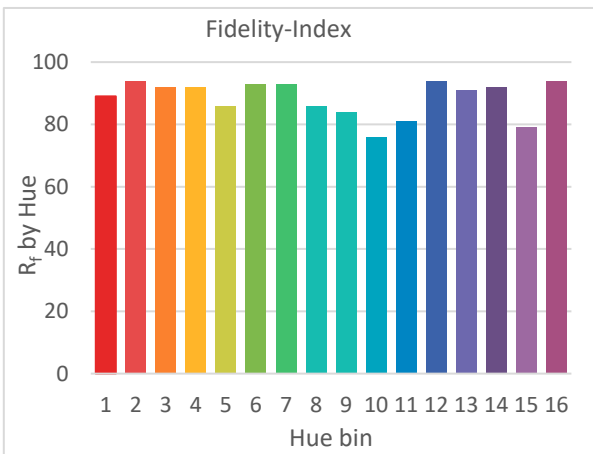
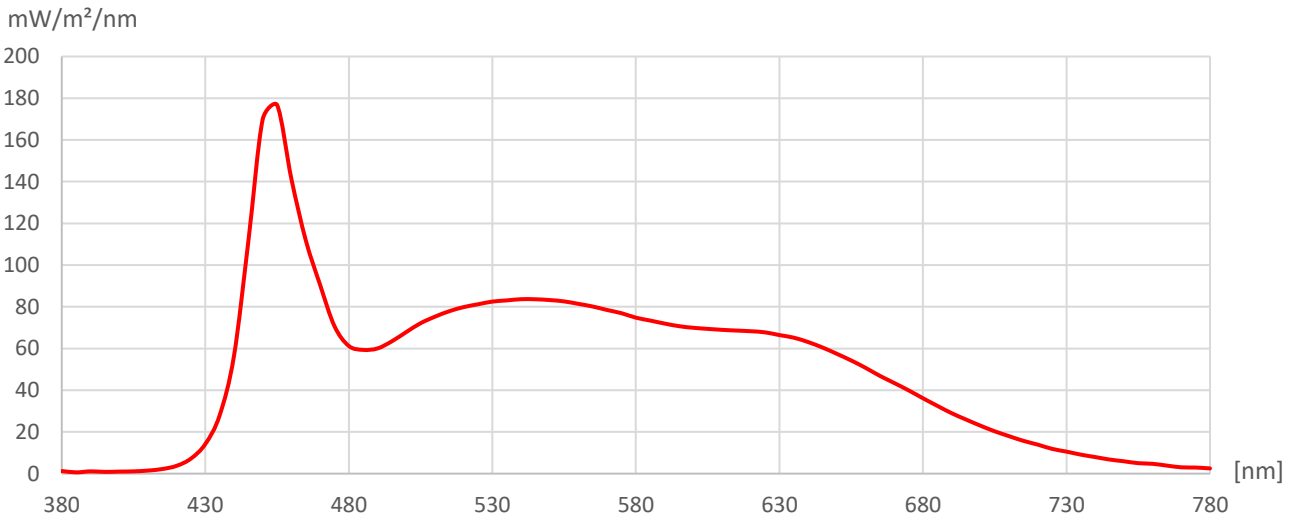


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
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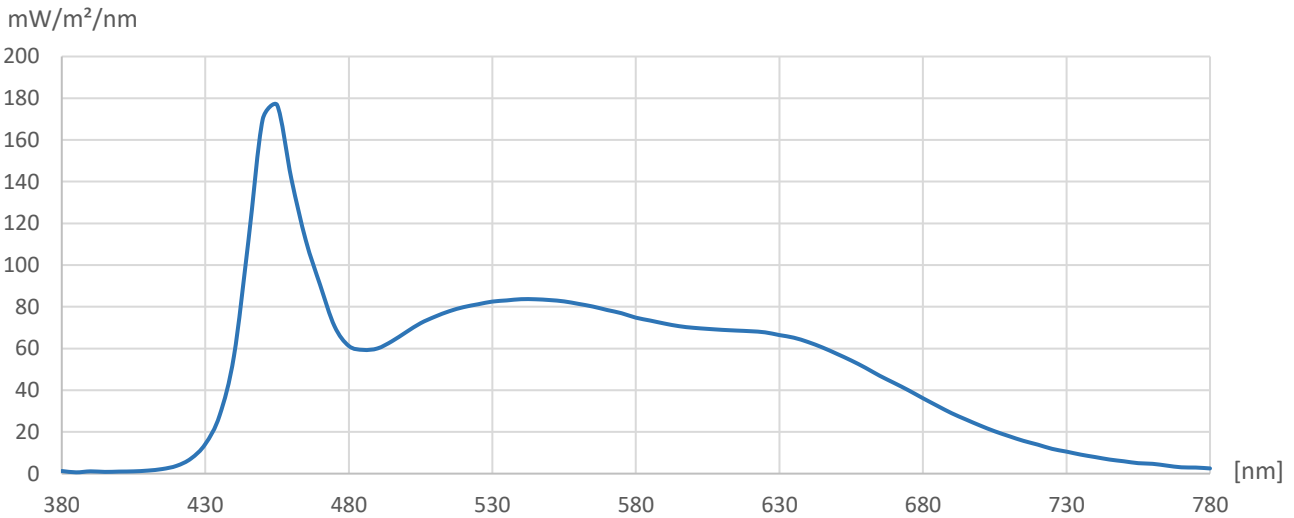


Measurement Protocol



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 Type: UltraBright™ Industrial Series LED Strip Light
 Model: UB-IS-62K90C

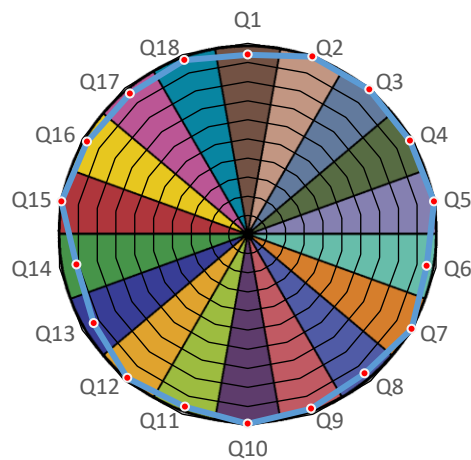
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correlated color temperature (CCT) 6,463 K
 TLCI 95

Reference 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	-2
B	0	-2	-1
B/M	0	0	0
M	0	1	0
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	95	Q14 Green	91
Q3 Blue sky	99	Q9 Moderate red	97	Q15 Red	99
Q4 Foliage	98	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