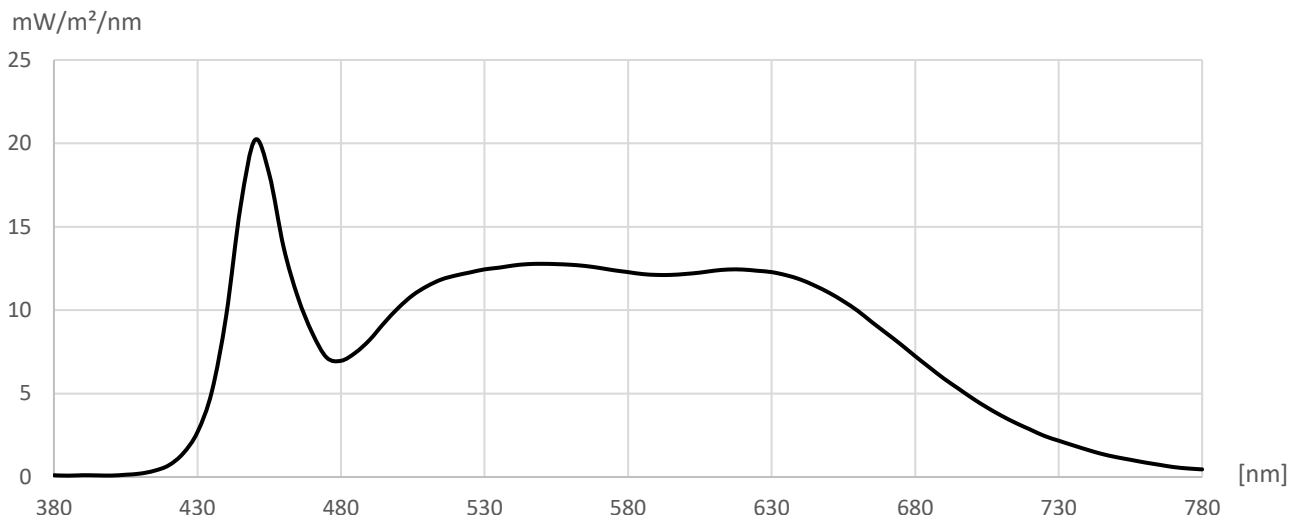


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: Victory™ Select LED Puck Light
 Model: PL-R-MULTI-W-24V (5000K)

Measurement file: PL-R-MULTI.CSV
 Date of measurement: 10.01.2025
 Time of measurement: 9:43:00



R1 = 95.2	Ra = 94.8	Illuminance	883.66 lx	CIE1931
R2 = 95.8	Re = 92.0	Ee	3.145 W/m ²	x = 0.3476
R3 = 94.5	GAI = 88.5	LER	281.0 lm/W	y = 0.3565
R4 = 95.1				
R5 = 93.8	TLCI = 97.0	Correlated Color Temperature (CCT)	4,924 K	CIE1976
R6 = 92.0		Duv	0.0015	u' = 0.2112
R7 = 97.9	PPFD			v' = 0.4874
R8 = 93.9	[μmol/m ² s]	Saturation	11.20 %	
R9 = 82.3	13.97			CIE1960
R10 = 88.8		Dominant wavelength	571 nm	u = 0.2112
R11 = 94.5		Peak wavelength	450 nm	v = 0.3249
R12 = 69.4				
R13 = 95.4		Flicker frequency	% < 1.0	TM30
R14 = 96.8		Percent Flicker	< 1.0	Rf = 90.5
R15 = 93.9		Flicker index	% < 1.0	Rg = 99.4

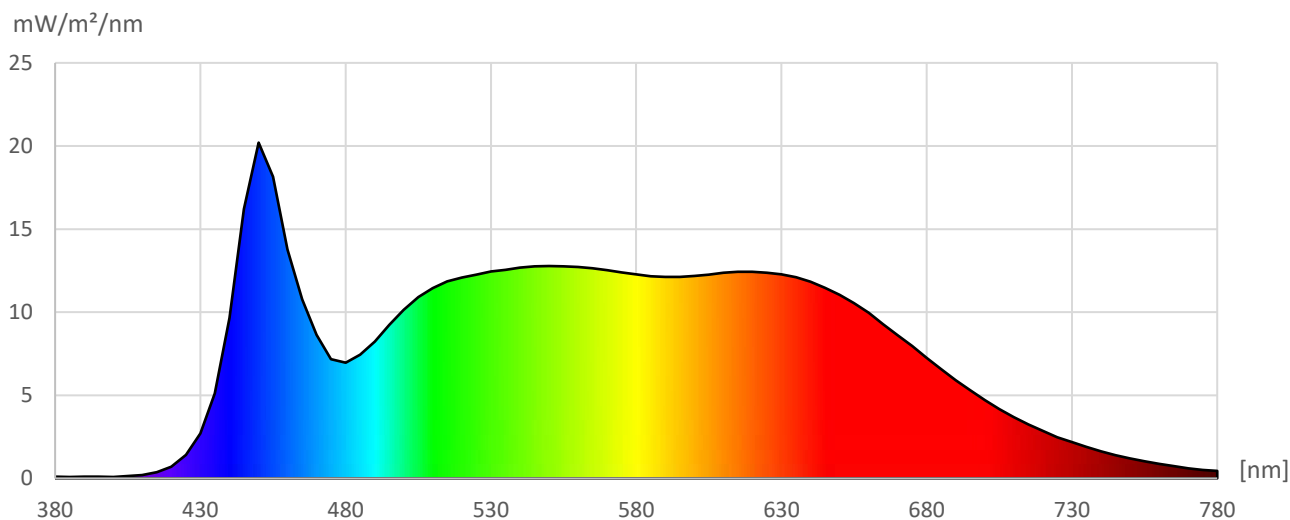
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.10	440	9.66	500	10.14	560	12.72	620	12.44	680	7.25	740	1.63
385	0.08	445	16.21	505	10.90	565	12.65	625	12.36	685	6.57	745	1.39
390	0.11	450	20.20	510	11.44	570	12.54	630	12.28	690	5.90	750	1.19
395	0.10	455	18.16	515	11.84	575	12.39	635	12.10	695	5.31	755	1.03
400	0.09	460	13.78	520	12.08	580	12.28	640	11.84	700	4.72	760	0.87
405	0.14	465	10.77	525	12.26	585	12.17	645	11.47	705	4.17	765	0.73
410	0.20	470	8.63	530	12.45	590	12.12	650	11.05	710	3.68	770	0.60
415	0.38	475	7.16	535	12.55	595	12.12	655	10.54	715	3.24	775	0.51
420	0.70	480	6.97	540	12.68	600	12.17	660	9.96	720	2.85	780	0.46
425	1.41	485	7.45	545	12.76	605	12.25	665	9.28	725	2.46		
430	2.69	490	8.22	550	12.78	610	12.37	670	8.62	730	2.18		
435	5.12	495	9.23	555	12.76	615	12.44	675	7.95	735	1.90		

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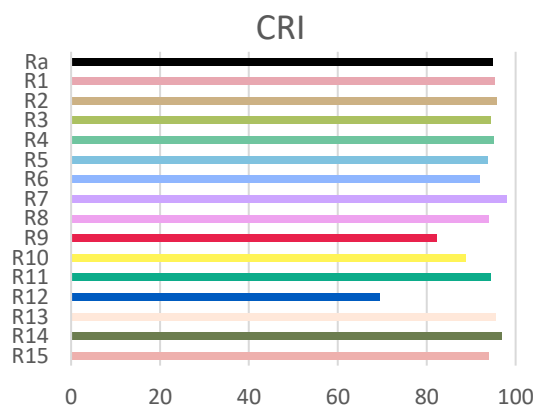
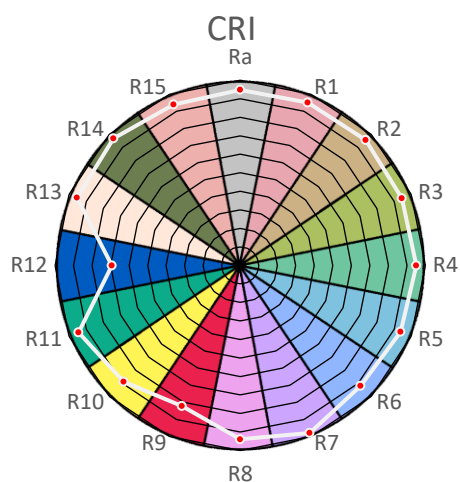
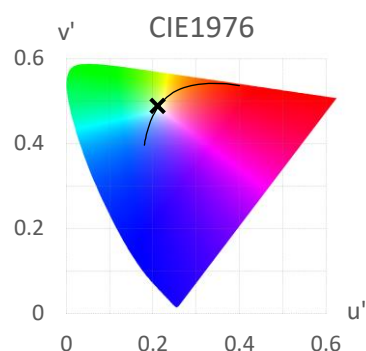
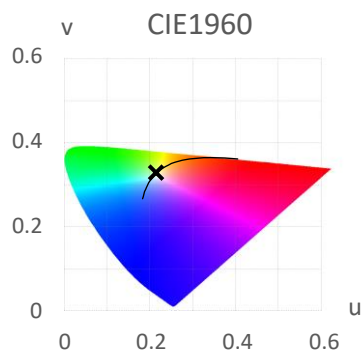
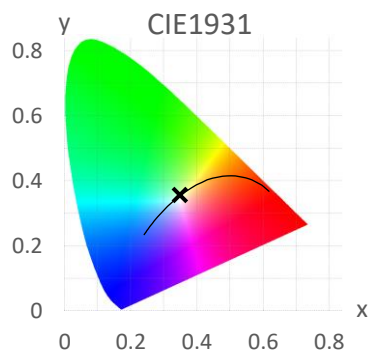
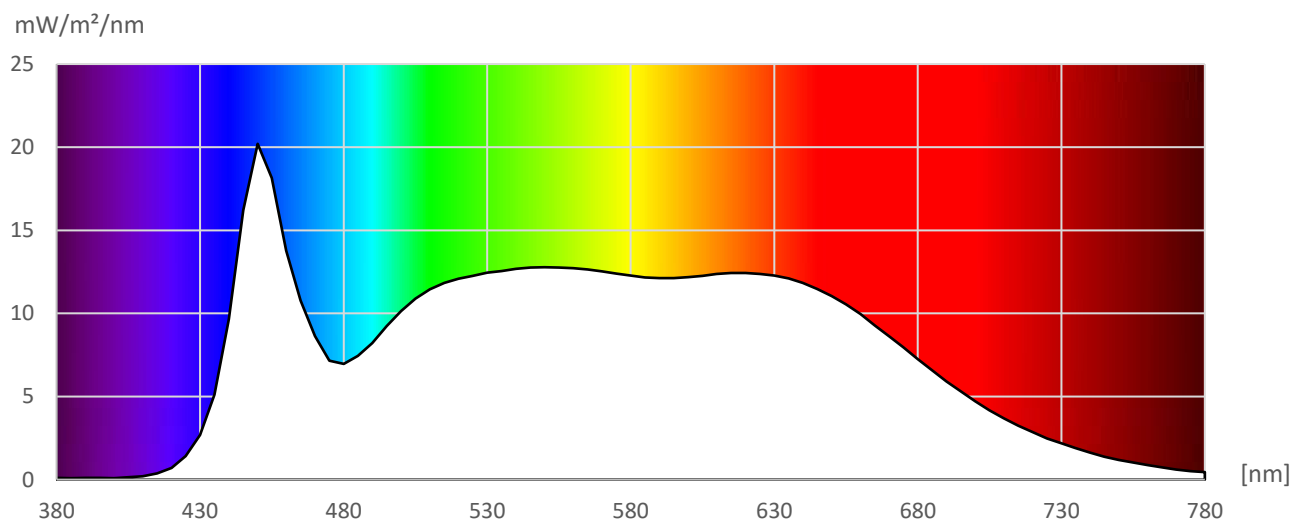
[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm	[nm]	mW/m ² /nm
380	0.10	535	12.55	690	5.90								
385	0.08	540	12.68	695	5.31								
390	0.11	545	12.76	700	4.72								
395	0.10	550	12.78	705	4.17								
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435	5.12	590	12.12	745	1.39								
440	9.66	595	12.12	750	1.19								
445	16.21	600	12.17	755	1.03								
450	20.20	605	12.25	760	0.87								
455	18.16	610	12.37	765	0.73								
460	13.78	615	12.44	770	0.60								
465	10.77	620	12.44	775	0.51								
470	8.63	625	12.36	780	0.46								
475	7.16	630	12.28										
480	6.97	635	12.10										
485	7.45	640	11.84										
490	8.22	645	11.47										
495	9.23	650	11.05										
500	10.14	655	10.54										
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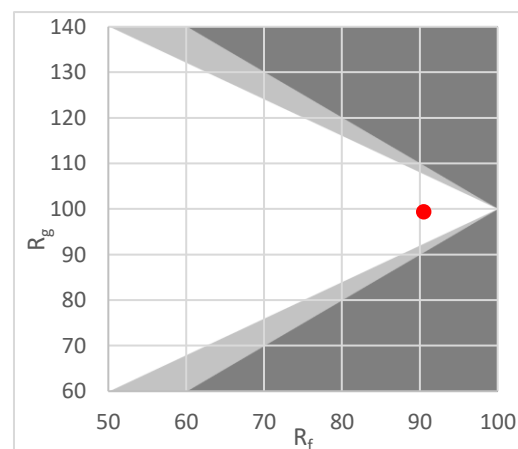
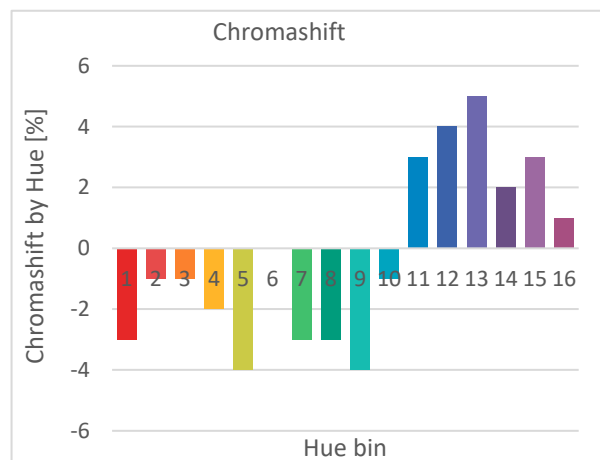
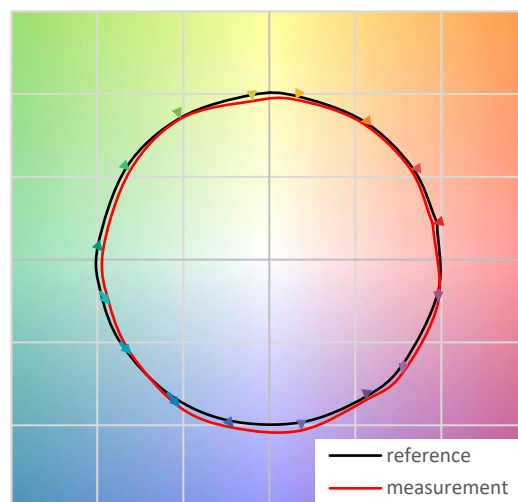
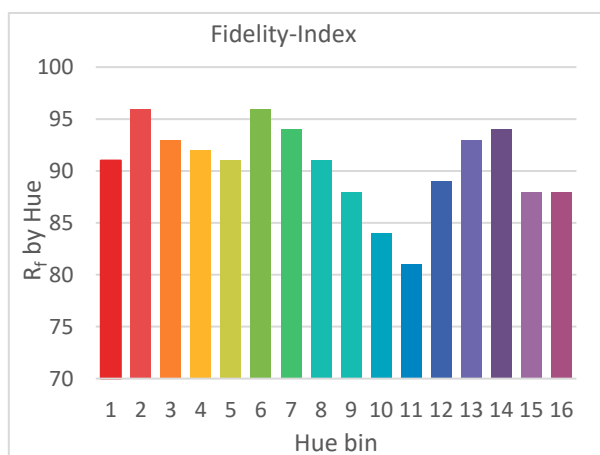
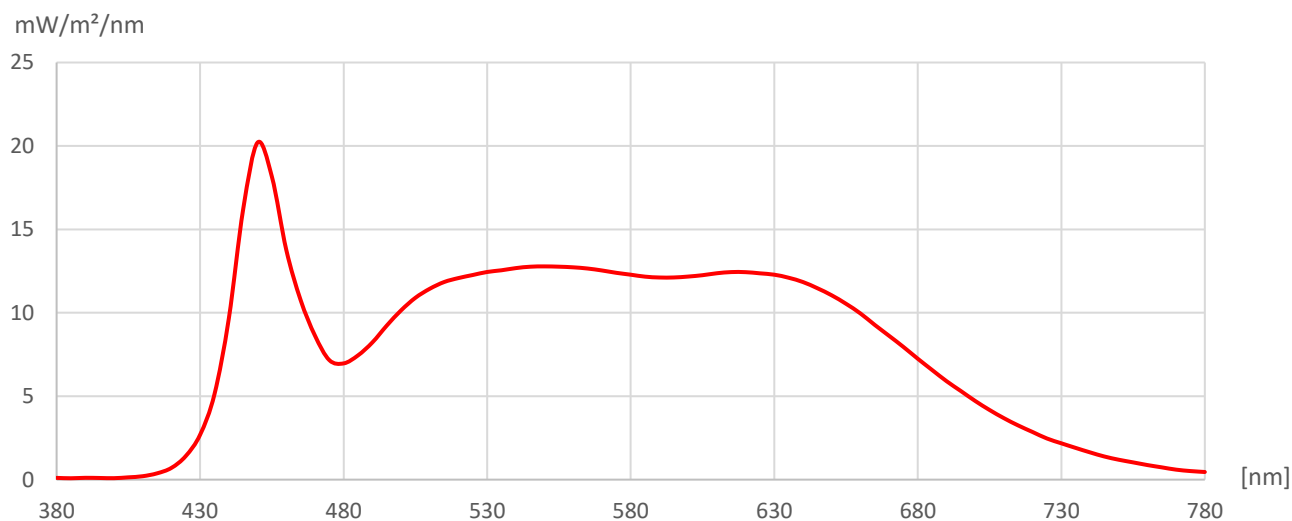


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
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Measurement file: PL-R-MULTI.CSV
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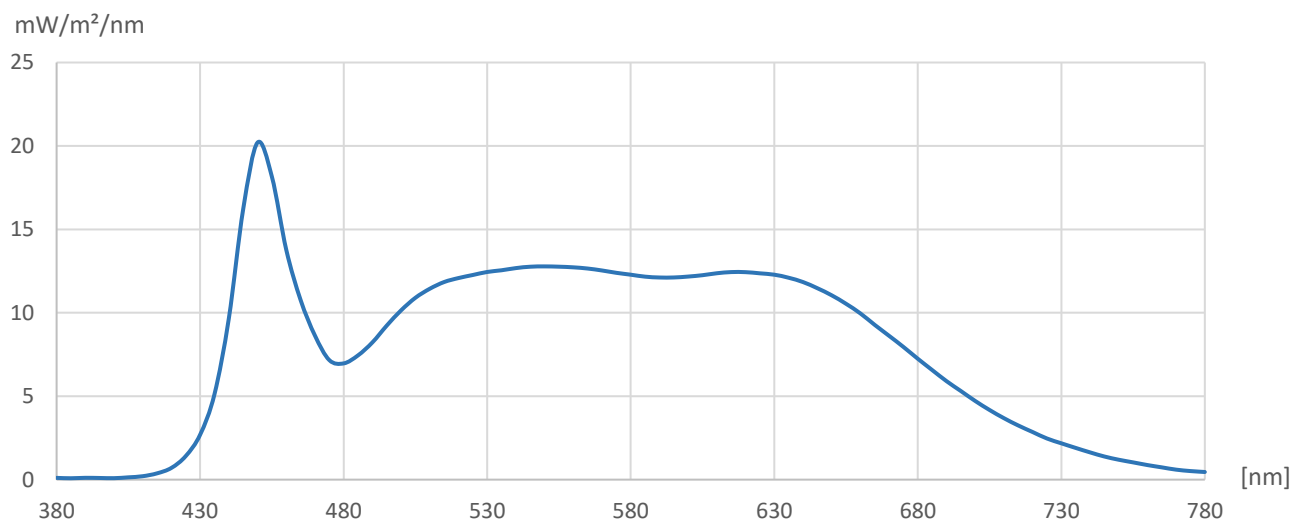


Measurement Protocol



Manufacturer: Flexfire LEDs, Inc.
 Type: Victory™ Select LED Puck Light
 Model: PL-R-MULTI-W-24V (5000K)

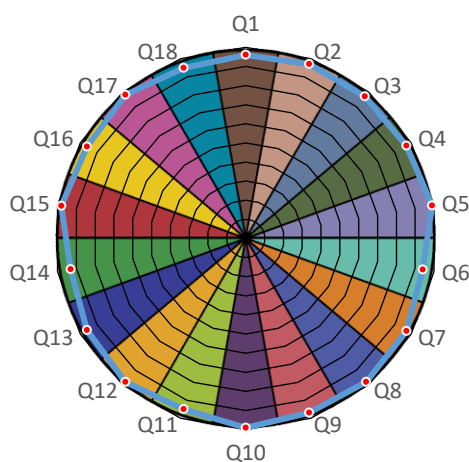
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correlated color temperature (CCT) 4,924 K
 TLCI 97

Reference Spectrum Plank-Daylight Mix

	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	1
C/B	0	0	-1
B	0	-1	-1
B/M	0	0	1
M	0	0	1
M/R	1	0	1



Test Colour	Value	Test Colour	Value	Test Colour	Value
Q1 Dark skin	96	Q7 Orange	97	Q13 Blue	96
Q2 Light skin	97	Q8 Purplish blue	98	Q14 Green	93
Q3 Blue sky	97	Q9 Moderate red	97	Q15 Red	98
Q4 Foliage	97	Q10 Purple	99	Q16 Yellow	96
Q5 Blue flower	99	Q11 Yellow green	95	Q17 Magenta	98
Q6 Bluish green	94	Q12 Orange yellow	98	Q18 Cyan	95