

Photometric / Colorimetric / Electric Report

Fixture Model:

805-K5-WD-25-PR1-8.5-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/3/2023



Light efficiency:

54 Lumen/Watt

Light quality:

CRI: 97.3

Color temperature:

3107 K

CIE 1931:

**x: 0.428
y: 0.398**

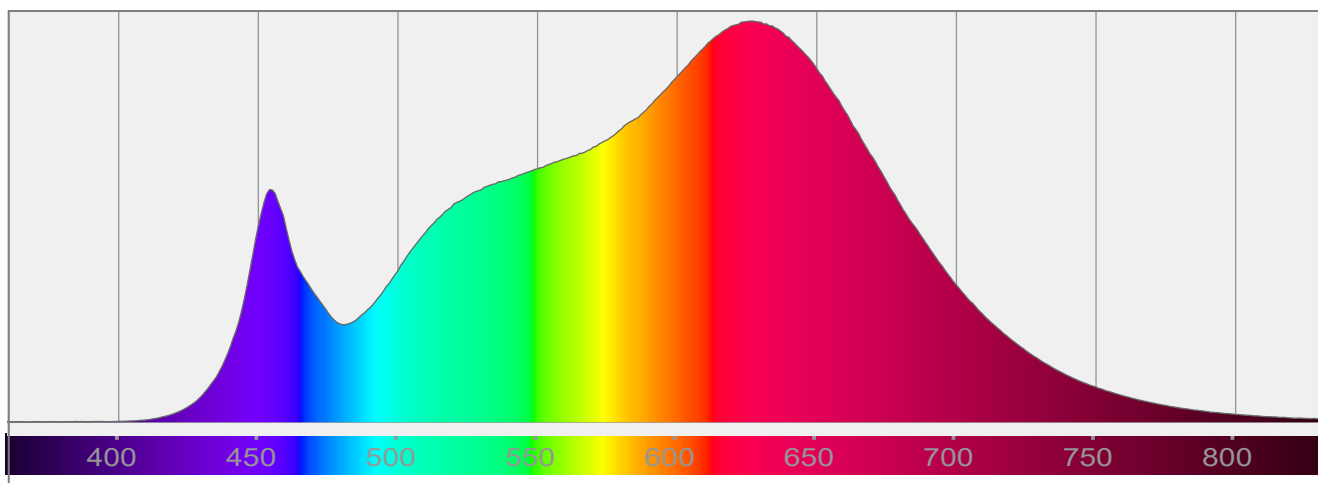
Output: 783 lm

Peak: 2434 cd

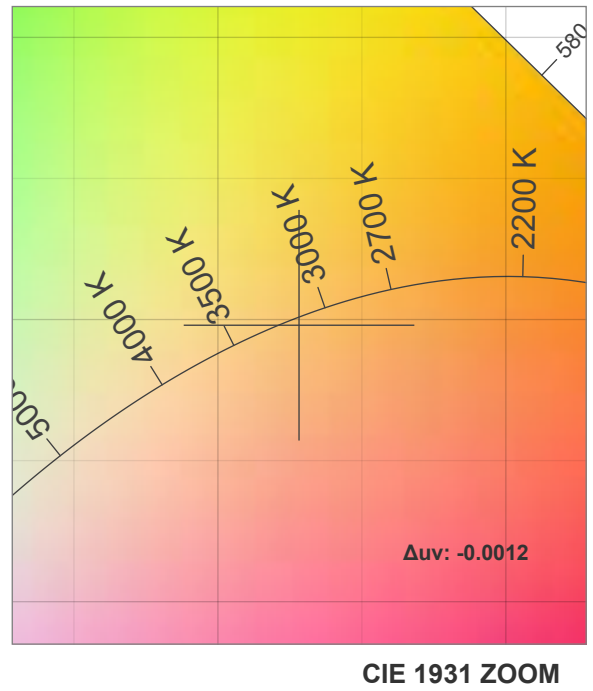
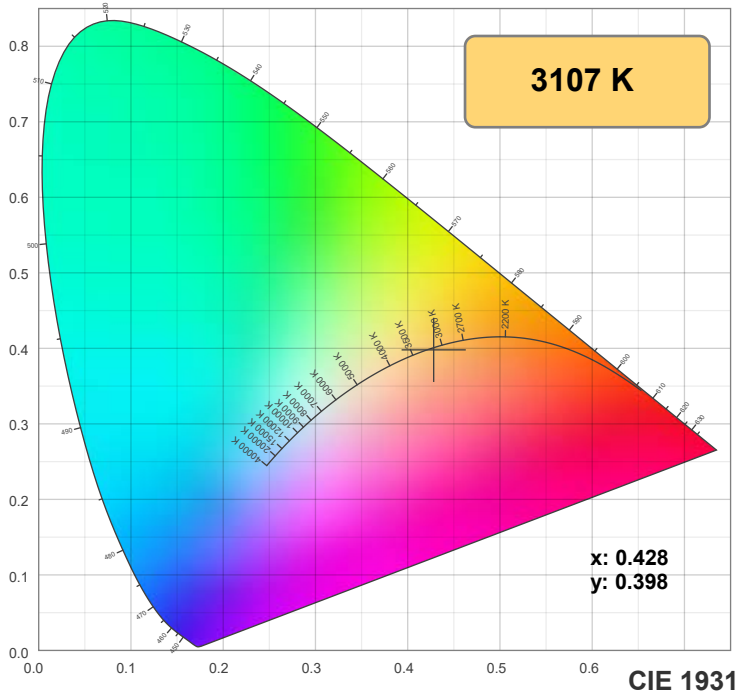
Power: 14.6 W

PF: 0.99

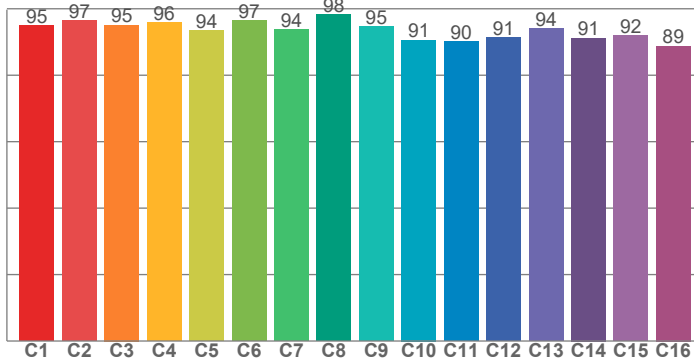
Spectra:



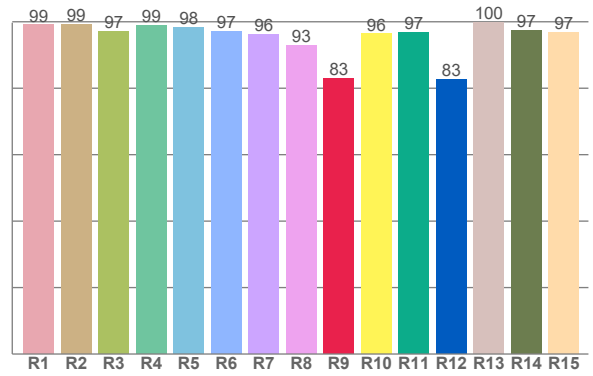
Color Details



TM-30: 93.7



CRI: 97.3 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.0	99.1	97.0	98.8	98.4	97.0	96.3	92.8	82.9	96.3	96.8	82.7	99.7	97.3	96.7

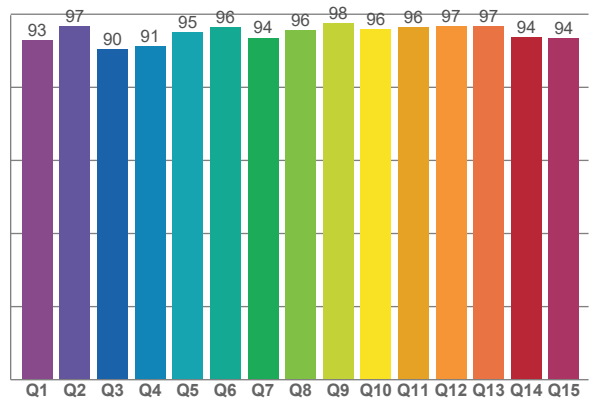
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.5	95.1	95.8	93.6	96.5	93.8	98.3	94.7	90.6	90.0	91.3	94.1	91.2	92.0	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.0	96.8	90.4	91.2	95.0	96.5	93.6	95.6	97.5	95.8	96.5	96.8	96.8	93.8	93.5

CQS: 94.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3107 K	97.3	82.9	93.7	100.8	94.3	0.428	0.398	0.248	0.345	-0.0012

TM-30 Details

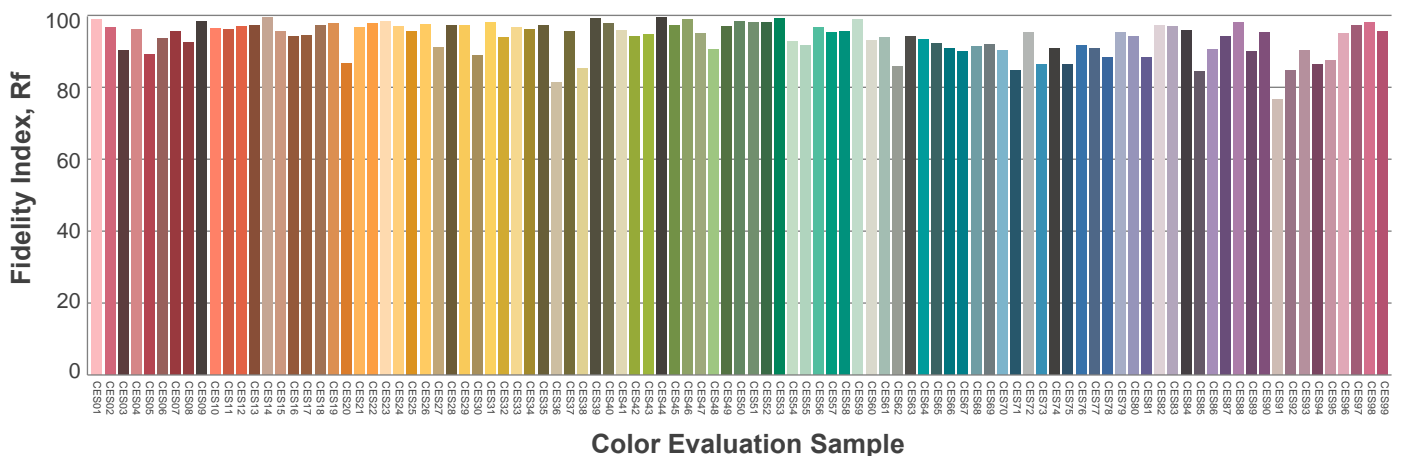
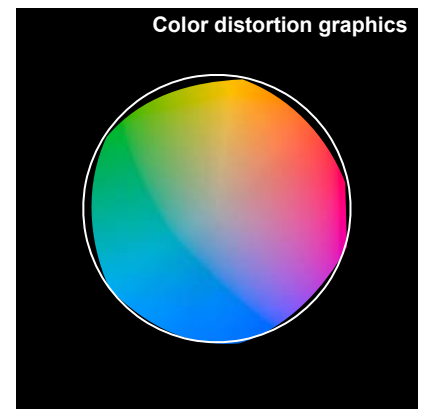
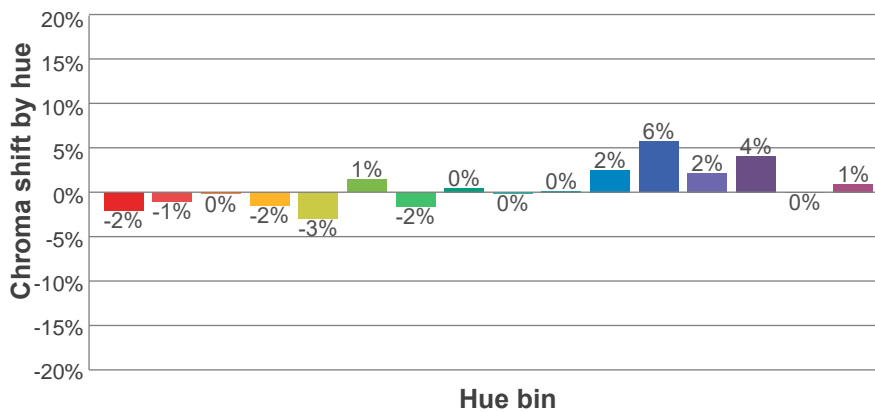
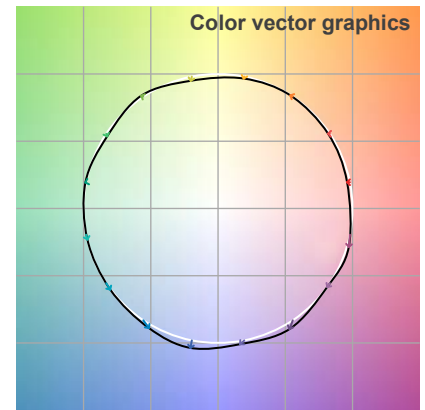
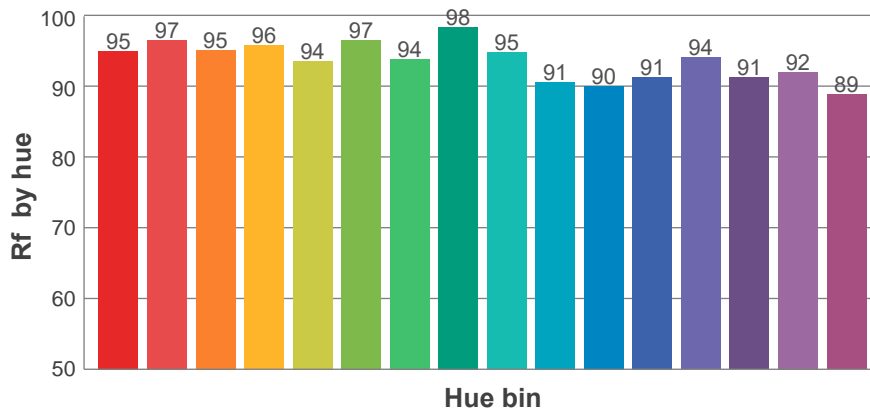
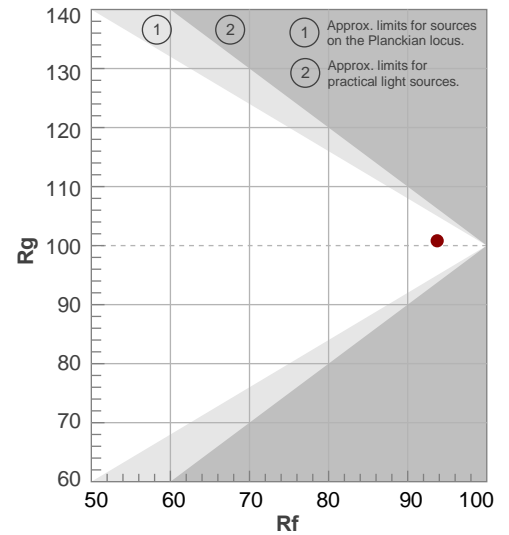
Rf 93.7

Fidelity index Rf

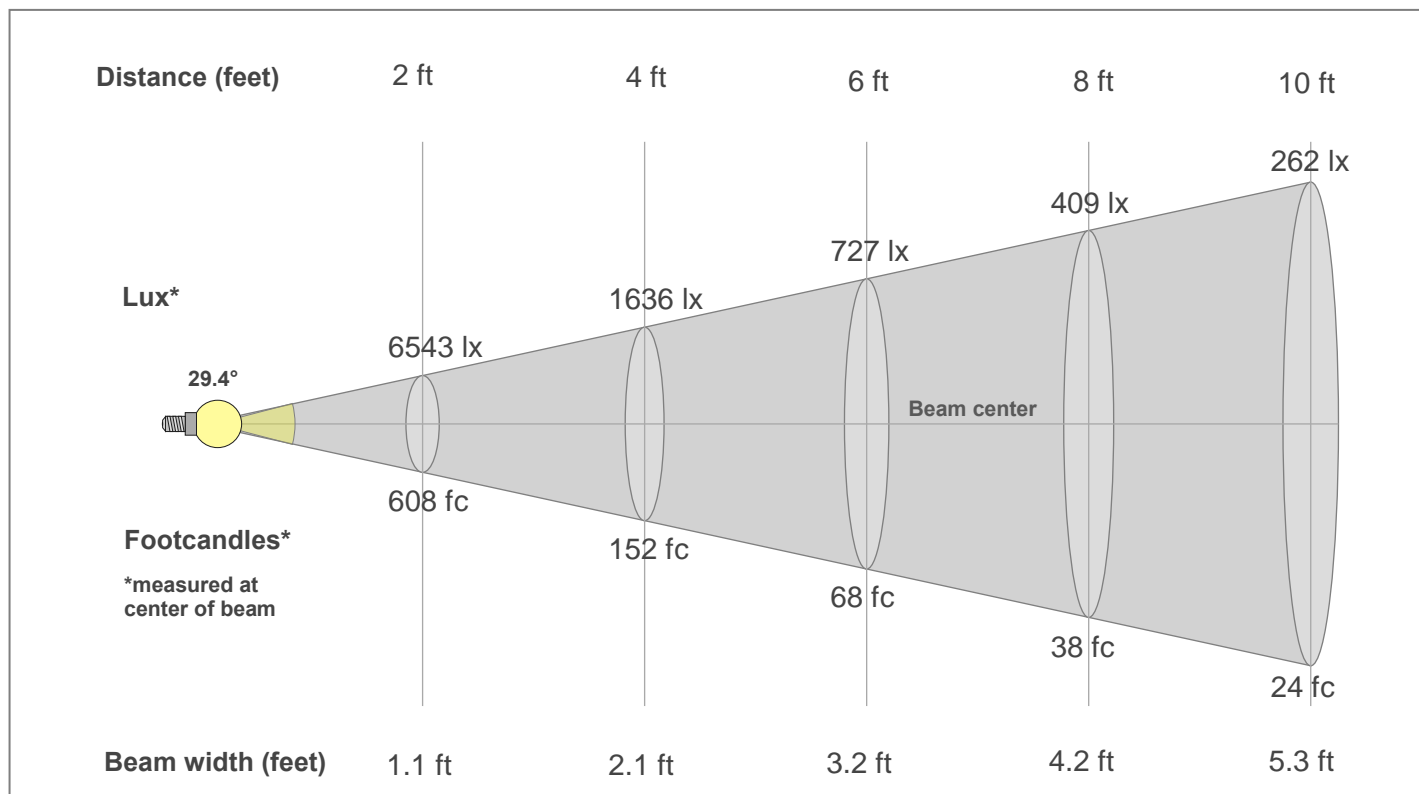
Rg 100.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-2%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	0%	4%
10	91	0%	6%
11	90	2%	7%
12	91	6%	0%
13	94	2%	-4%
14	91	4%	-6%
15	92	0%	-3%
16	89	1%	-9%



Beam Details



Beam Intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
2432lx	608lx	270lx	152lx	97lx	68lx	50lx	38lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	8lx	7lx	6lx
225.9fc	56.5fc	25.1fc	14.1fc	9fc	6.3fc	4.6fc	3.5fc	2.8fc	2.3fc	1.9fc	1.6fc	1.3fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2432	2401	2309	2163	1981	1770	1540	1302	1071	857	674	520	404	312	245	194	154	120	91	66
100%	99%	95%	89%	81%	73%	63%	54%	44%	35%	28%	21%	17%	13%	10%	8%	6%	5%	4%	3%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2432	2395	2303	2157	1974	1764	1535	1297	1068	858	677	527	413	322	255	203	162	127	97	72
100%	99%	95%	89%	81%	73%	63%	53%	44%	35%	28%	22%	17%	13%	10%	8%	7%	5%	4%	3%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2432	2401	2309	2163	1981	1770	1540	1302	1071	857	674	520	404	312	245	194	154	120	91	66
100%	99%	95%	89%	81%	73%	63%	54%	44%	35%	28%	21%	17%	13%	10%	8%	6%	5%	4%	3%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2432	2395	2303	2157	1974	1764	1535	1297	1068	858	677	527	413	322	255	203	162	127	97	72
100%	99%	95%	89%	81%	73%	63%	53%	44%	35%	28%	22%	17%	13%	10%	8%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.4°	56.5°	77.5°	99.5%	98.6%