

Photometric / Colorimetric / Electric Report

Fixture Model:

805-K5-WD-15-PR1-8.5-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/3/2023



Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 97.3

Color temperature:

3103 K

CIE 1931:

**x: 0.428
y: 0.398**

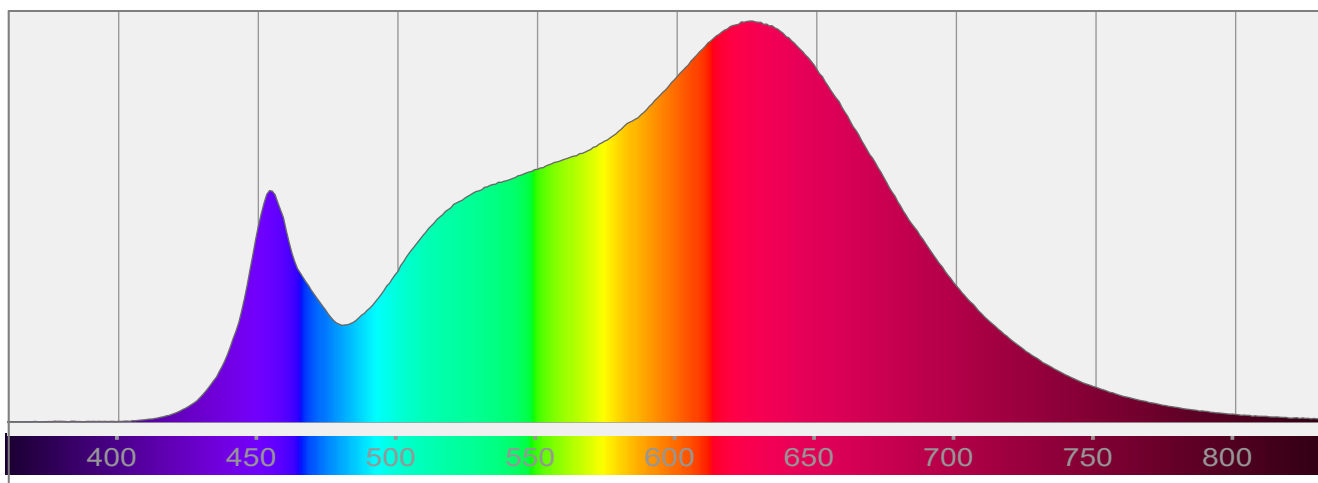
Output: 894 lm

Peak: 3955 cd

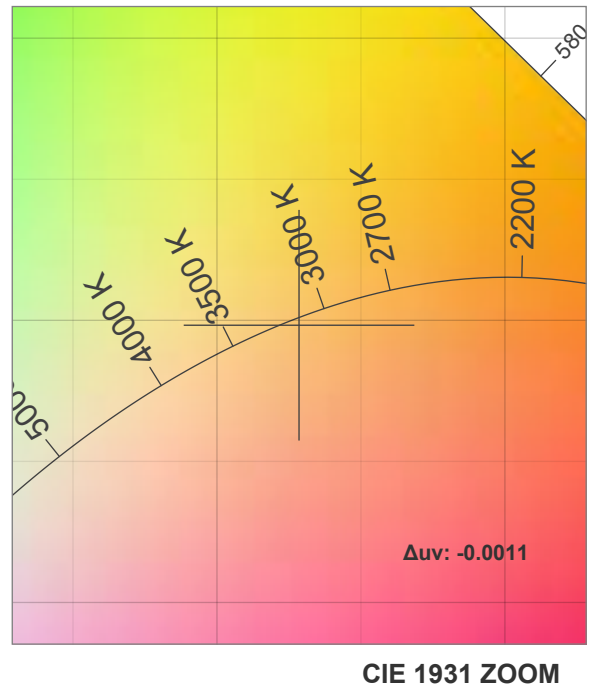
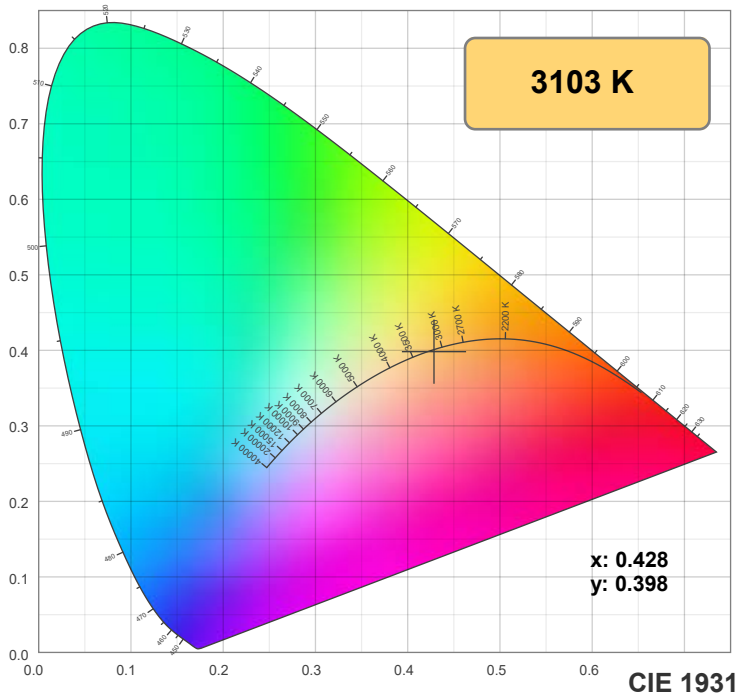
Power: 14.6 W

PF: 0.99

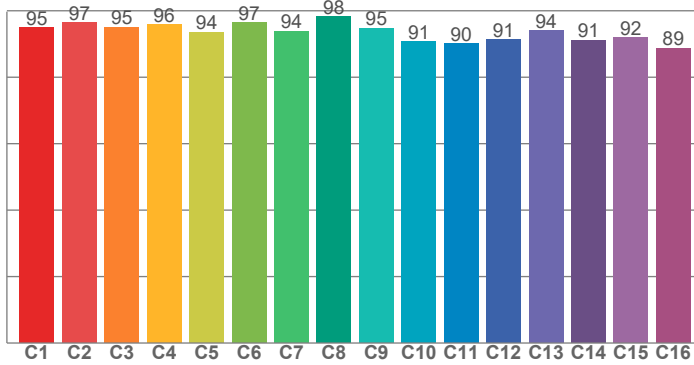
Spectra:



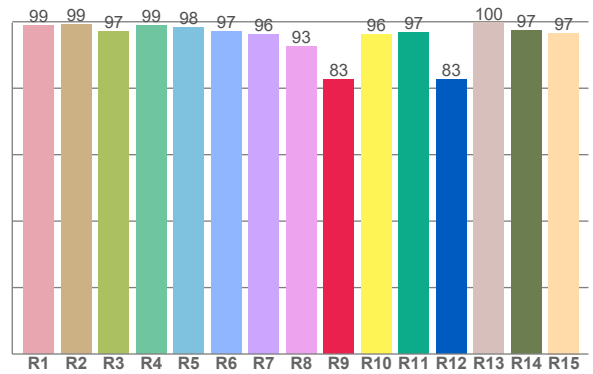
Color Details



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	92.7	82.6	96.3	96.8	82.7	99.6	97.3	96.6

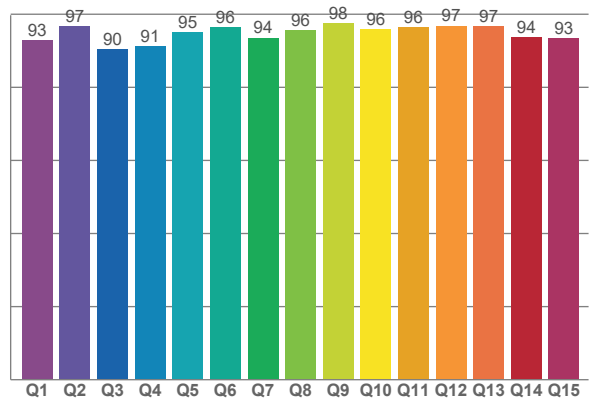
TM30 C Values:

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	93.9	98.3	94.8	90.7	90.1	91.3	94.0	91.2	92.0	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	96.8	90.4	91.2	95.1	96.4	93.6	95.6	97.6	95.8	96.5	96.8	96.8	93.7	93.4

CQS: 94.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3103 K	97.3	82.6	93.7	100.8	94.3	0.428	0.398	0.248	0.345	-0.0011

TM-30 Details

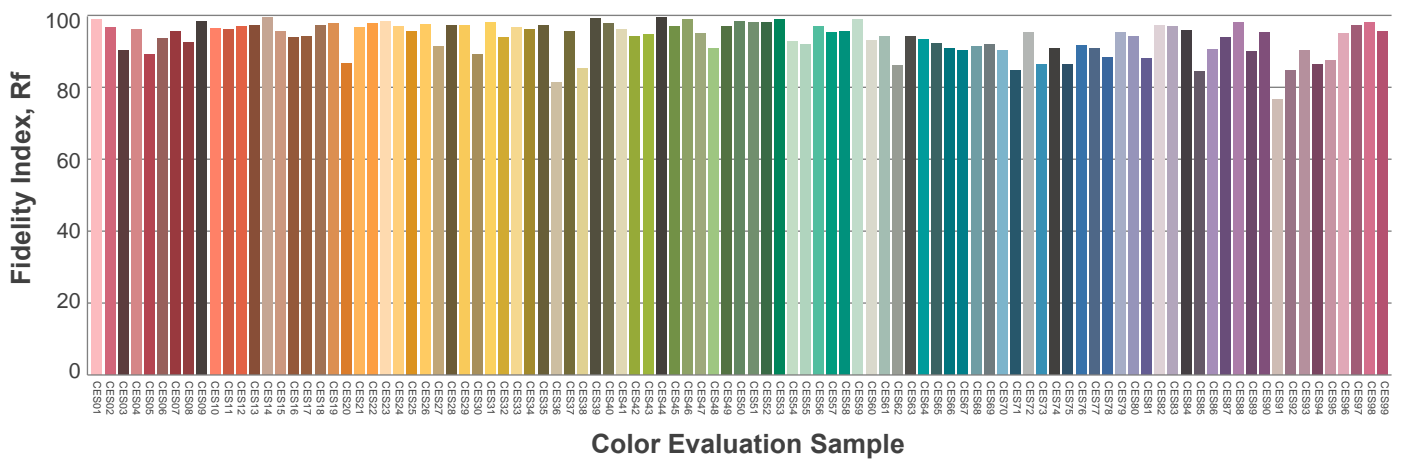
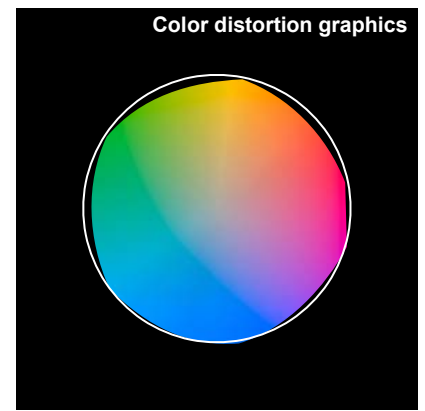
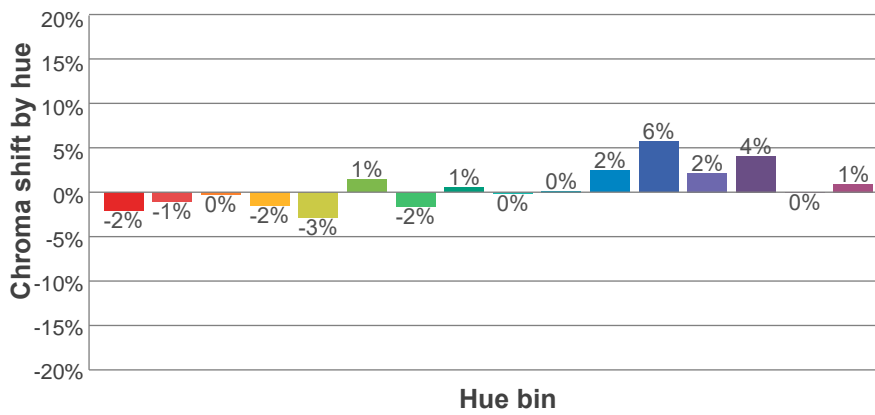
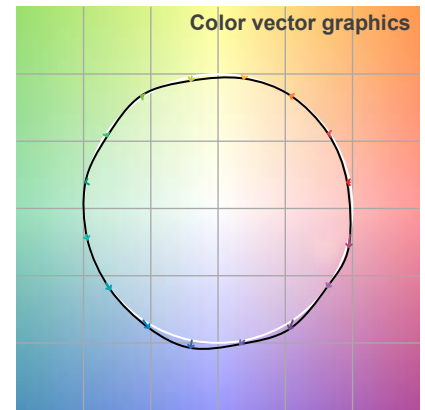
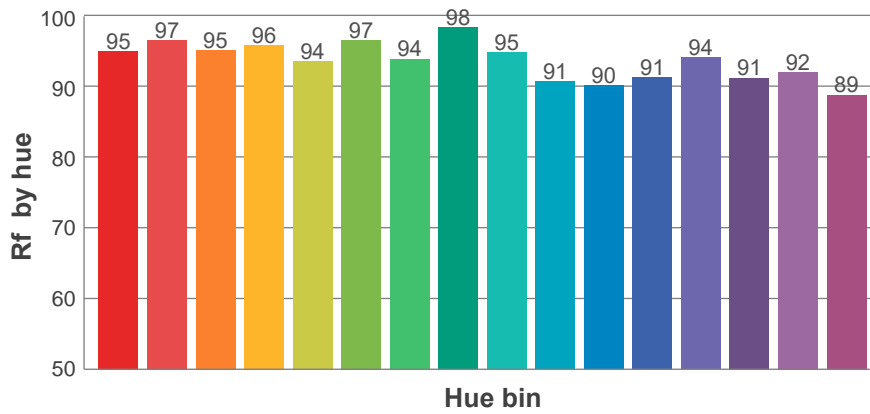
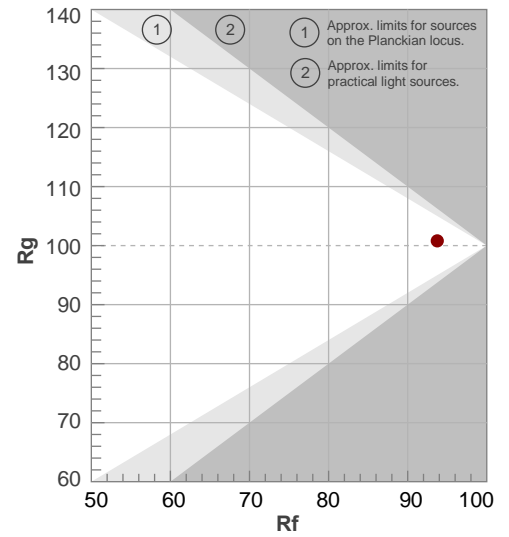
Rf 93.7

Fidelity index Rf

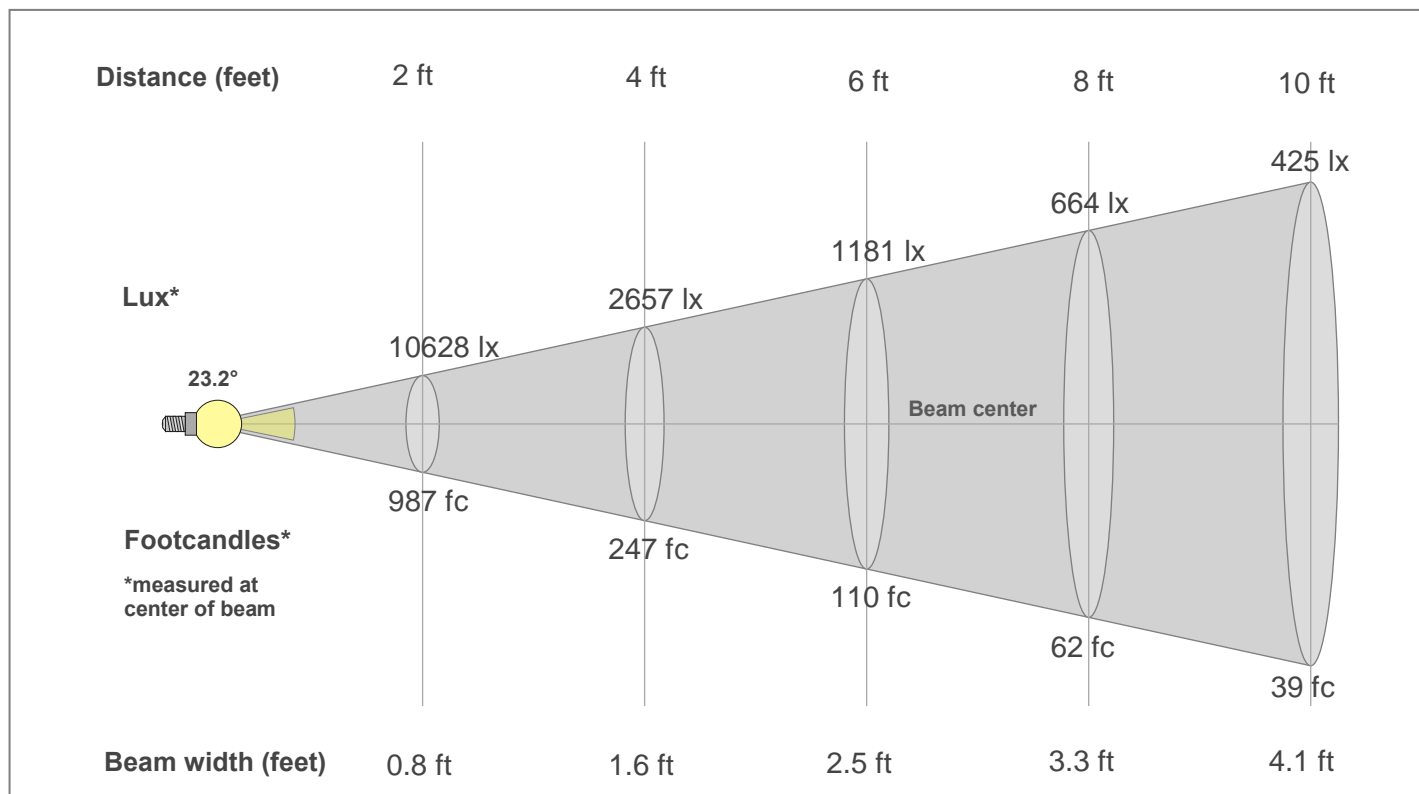
Rg 100.8

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	1%	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
3950lx	987lx	439lx	247lx	158lx	110lx	81lx	62lx	49lx	39lx	33lx	27lx	23lx	20lx	18lx	15lx	14lx	12lx	11lx	10lx
366.9fc	91.7fc	40.8fc	22.9fc	14.7fc	10.2fc	7.5fc	5.7fc	4.5fc	3.7fc	3fc	2.5fc	2.2fc	1.9fc	1.6fc	1.4fc	1.3fc	1.1fc	1fc	0.9fc

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°
3950	3900	3723	3391	2932	2409	1894	1448	1094	829	635	489	380	296	232	180	135	98	69	50
100%	99%	94%	86%	74%	61%	48%	37%	28%	21%	16%	12%	10%	7%	6%	5%	3%	2%	2%	1%

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°
3950	3882	3679	3334	2874	2360	1869	1444	1108	850	655	507	393	308	243	189	142	104	73	53
100%	98%	93%	84%	73%	60%	47%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

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°
3950	3900	3723	3391	2932	2409	1894	1448	1094	829	635	489	380	296	232	180	135	98	69	50
100%	99%	94%	86%	74%	61%	48%	37%	28%	21%	16%	12%	10%	7%	6%	5%	3%	2%	2%	1%

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°
3950	3882	3679	3334	2874	2360	1869	1444	1108	850	655	507	393	308	243	189	142	104	73	53
100%	98%	93%	84%	73%	60%	47%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.2°	47.6°	68.3°	99.4%	98.8%