

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-WD-4-15-PR1-8.5-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

8/2/2024



Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 96.7

Color temperature:

2997 K

CIE 1931:

**x: 0.436
y: 0.401**

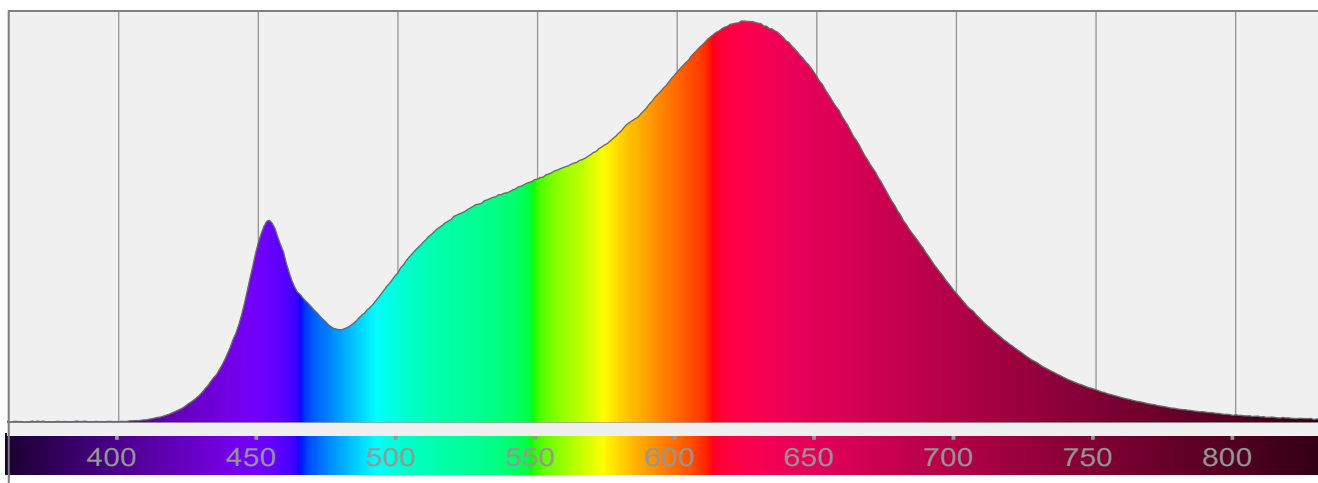
Output: 884 lm

Peak: 4097 cd

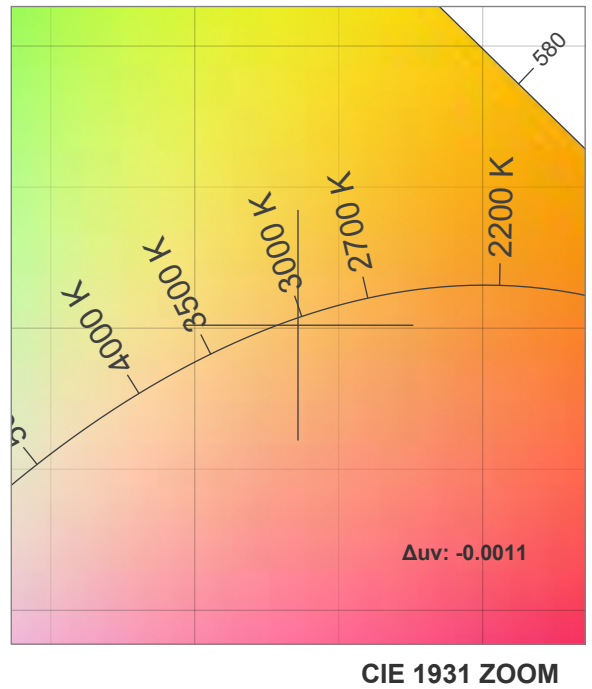
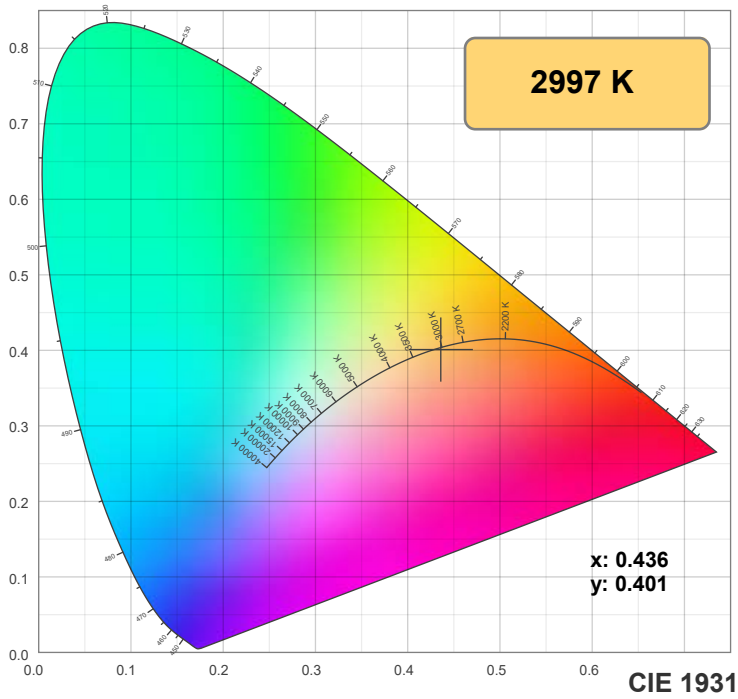
Power: 14.6 W

PF: 0.99

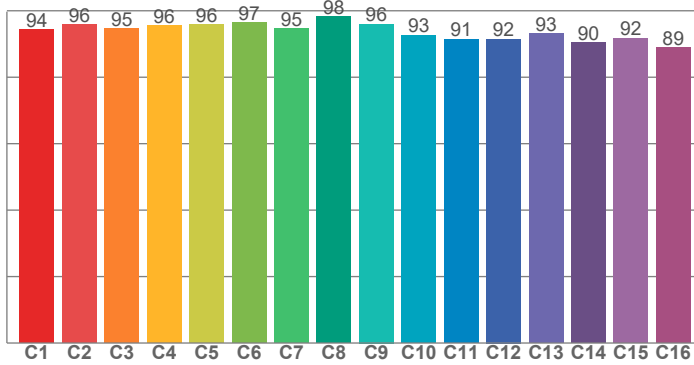
Spectra:



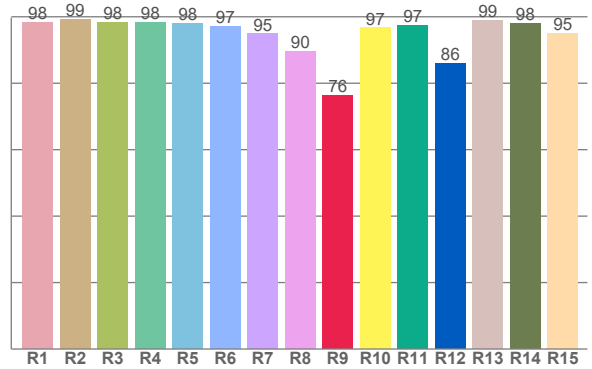
Color Details



TM-30: 94.0



CRI: 96.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.3	99.1	98.2	98.3	98.1	97.1	94.8	89.6	76.4	96.6	97.3	86.0	99.0	98.1	94.9

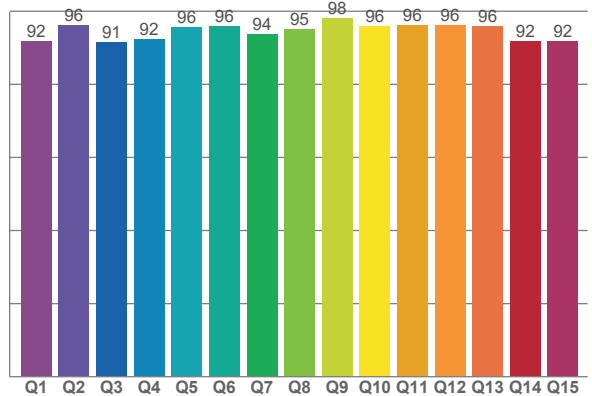
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.3	95.9	94.7	95.5	95.7	96.5	94.7	98.3	96.0	92.7	91.5	91.5	93.0	90.5	91.8	88.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.2	91.5	92.3	95.6	96.0	93.7	95.1	98.2	95.9	96.3	96.1	95.8	91.9	91.7

CQS: 94.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2997 K	96.7	76.4	94.0	100.5	94.0	0.436	0.401	0.251	0.347	-0.0011

TM-30 Details

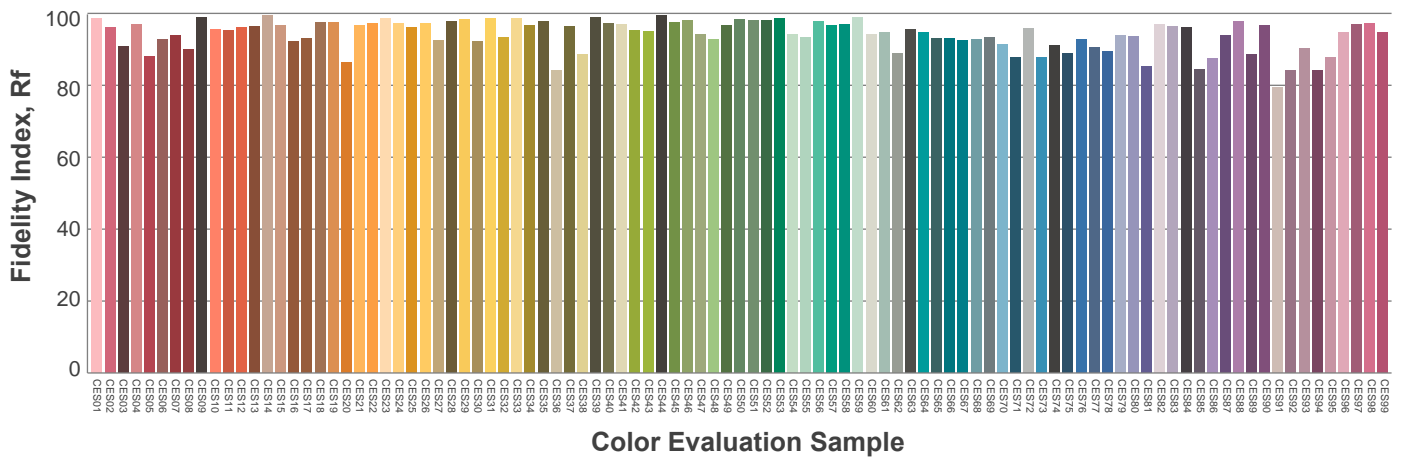
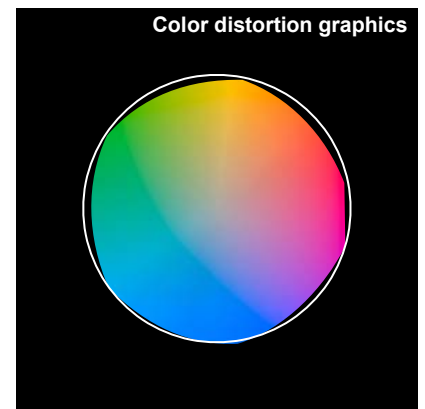
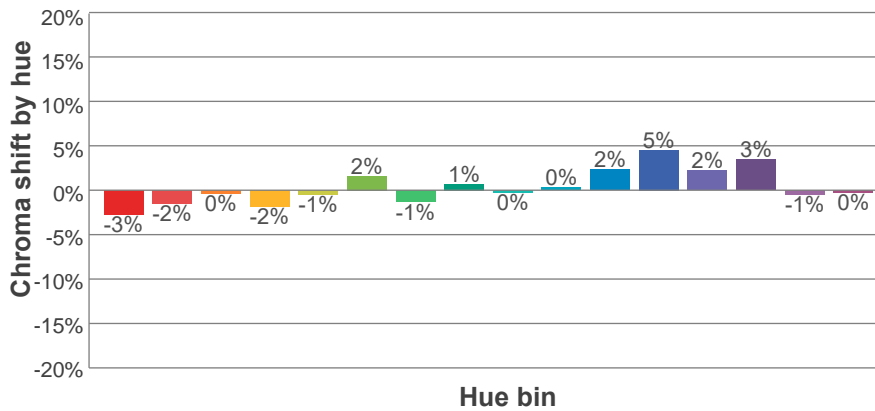
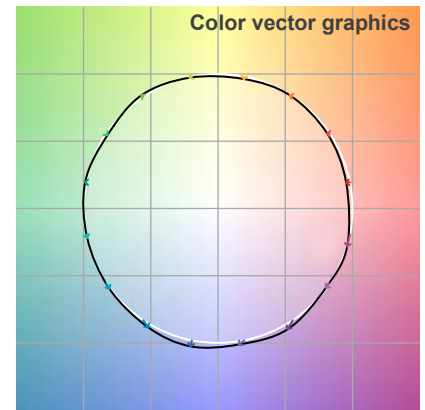
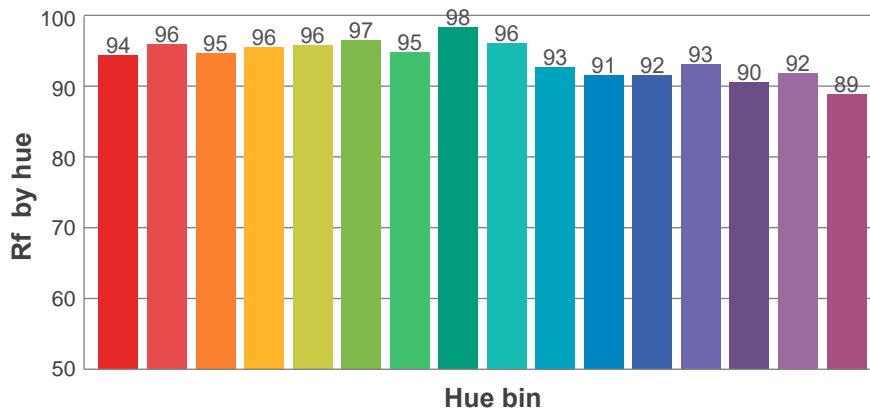
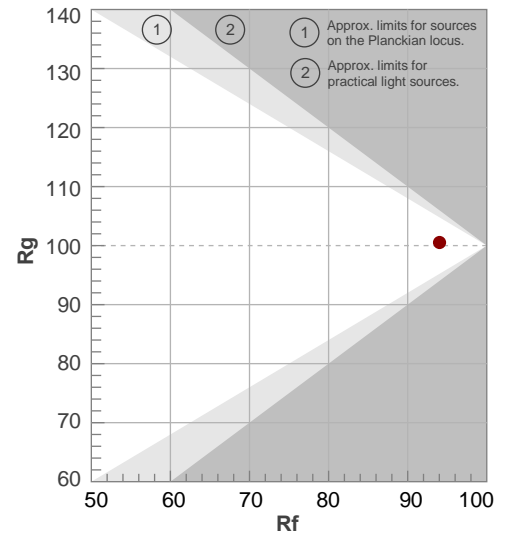
Rf 94.0

Fidelity index Rf

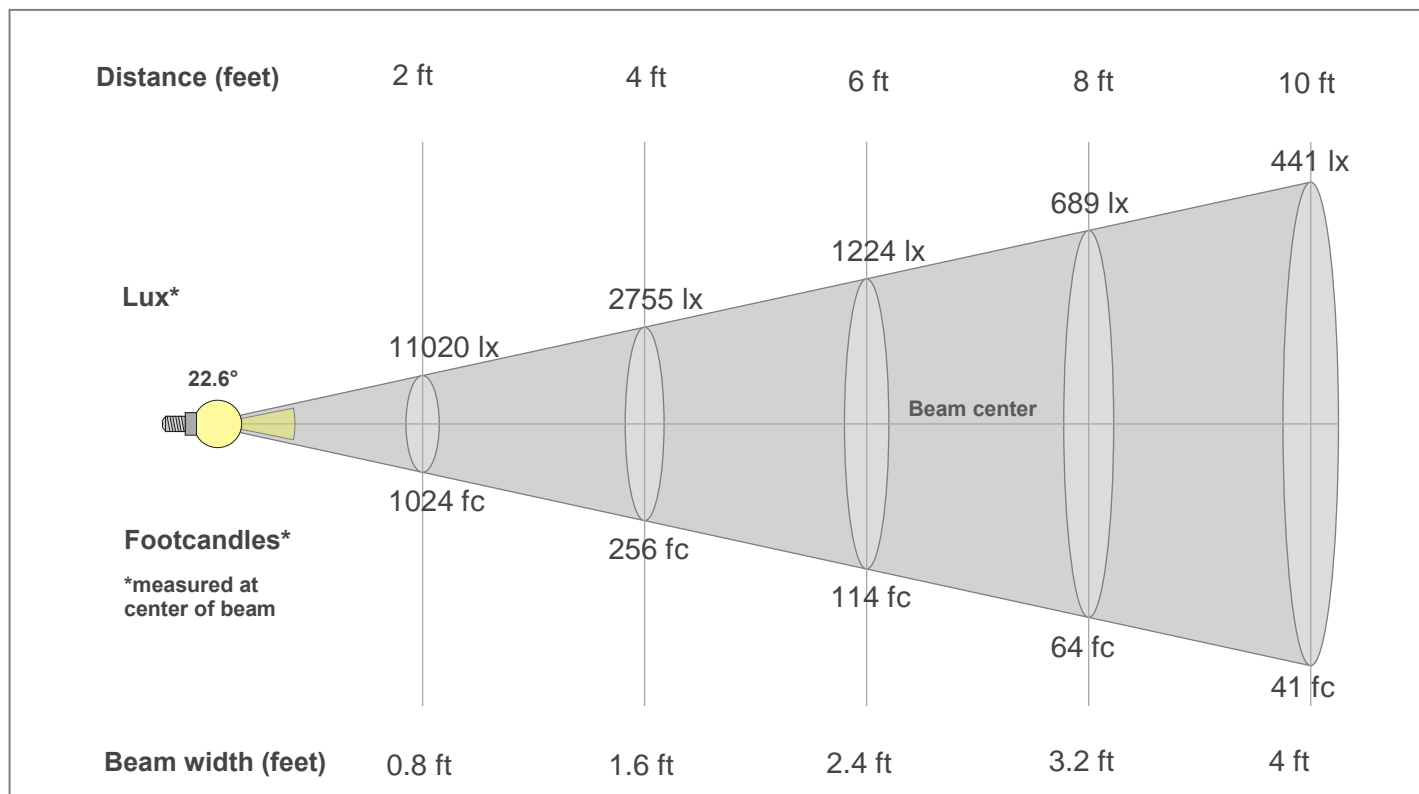
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	96	-2%	0%
5	96	-1%	2%
6	97	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	2%
10	93	0%	5%
11	91	2%	6%
12	92	5%	0%
13	93	2%	-5%
14	90	3%	-7%
15	92	-1%	-4%
16	89	0%	-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
4095lx	1024lx	455lx	256lx	164lx	114lx	84lx	64lx	51lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
380.5fc	95.1fc	42.3fc	23.8fc	15.2fc	10.6fc	7.8fc	5.9fc	4.7fc	3.8fc	3.1fc	2.6fc	2.3fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	1fc

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°
4095	4018	3791	3410	2915	2376	1871	1452	1121	863	665	510	393	305	235	176	128	90	61	38
100%	98%	93%	83%	71%	58%	46%	35%	27%	21%	16%	12%	10%	7%	6%	4%	3%	2%	1%	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°
4095	4024	3814	3446	2955	2414	1890	1441	1093	831	633	484	371	286	218	163	118	83	56	36
100%	98%	93%	84%	72%	59%	46%	35%	27%	20%	15%	12%	9%	7%	5%	4%	3%	2%	1%	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°
4095	4018	3791	3410	2915	2376	1871	1452	1121	863	665	510	393	305	235	176	128	90	61	38
100%	98%	93%	83%	71%	58%	46%	35%	27%	21%	16%	12%	10%	7%	6%	4%	3%	2%	1%	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°
4095	4024	3814	3446	2955	2414	1890	1441	1093	831	633	484	371	286	218	163	118	83	56	36
100%	98%	93%	84%	72%	59%	46%	35%	27%	20%	15%	12%	9%	7%	5%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.6°	46.9°	66.1°	99.4%	99.0%