

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-HI-3-15-PR1-8.5-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

1/14/2025



Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

3011 K

CIE 1931:

**x: 0.434
y: 0.400**

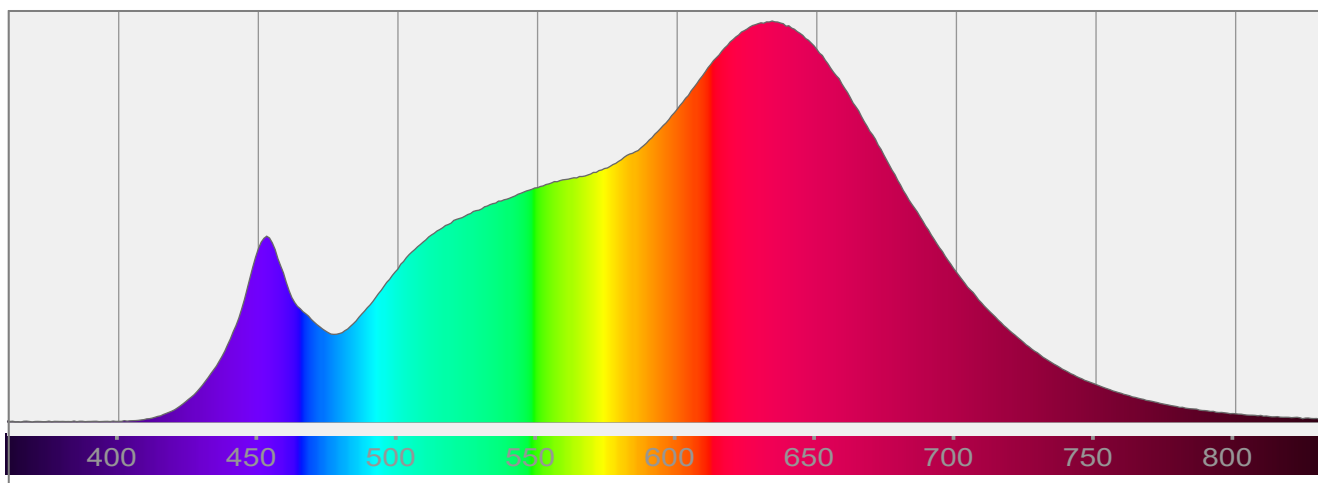
Output: 889 lm

Peak: 7849 cd

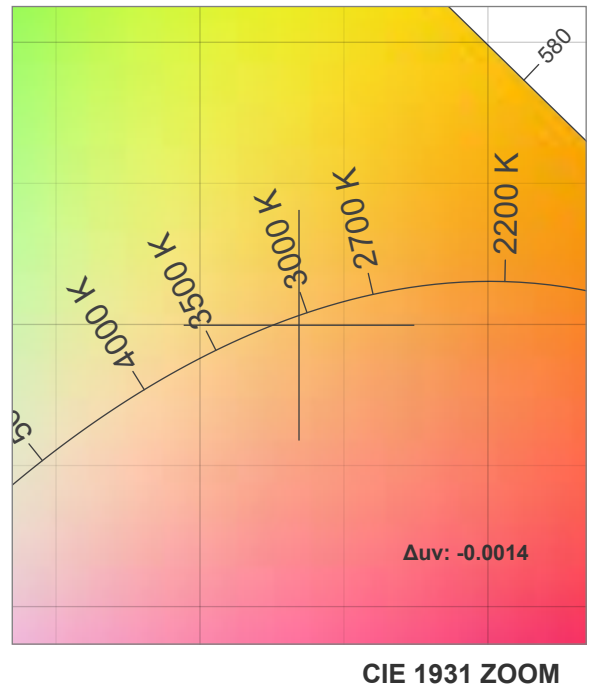
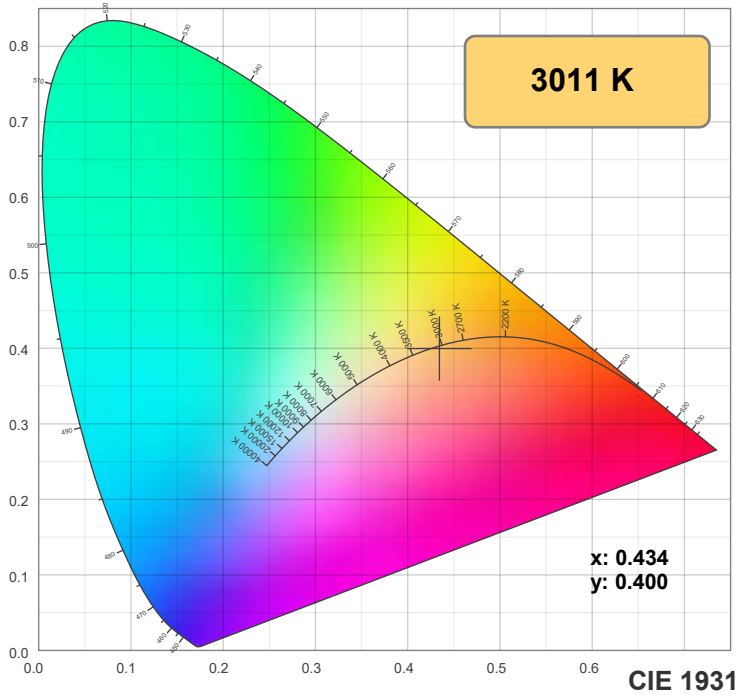
Power: 14.6 W

PF: 0.99

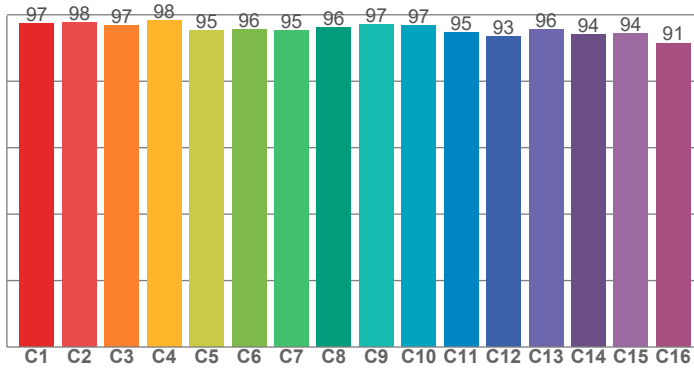
Spectra:



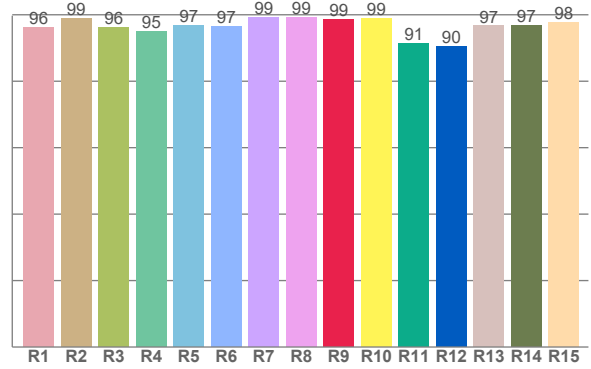
Color Details



TM-30: 95.9



CRI: 97.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.3	98.8	96.1	94.9	96.7	96.5	99.1	99.1	98.6	99.0	91.5	90.5	96.6	96.7	97.7

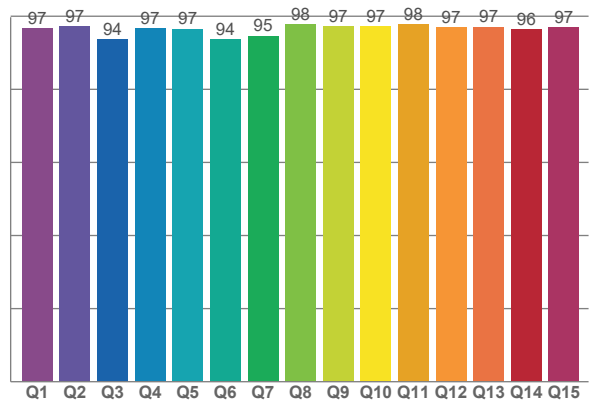
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	97.8	96.7	98.1	95.3	95.6	95.2	96.2	97.0	96.8	94.7	93.5	95.6	94.0	94.4	91.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.6	97.3	93.8	96.7	96.6	93.8	94.7	97.9	97.2	97.4	97.7	96.9	97.1	96.4	97.1

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3011 K	97.2	98.6	95.9	102.6	96.1	0.434	0.400	0.251	0.346	-0.0014

TM-30 Details

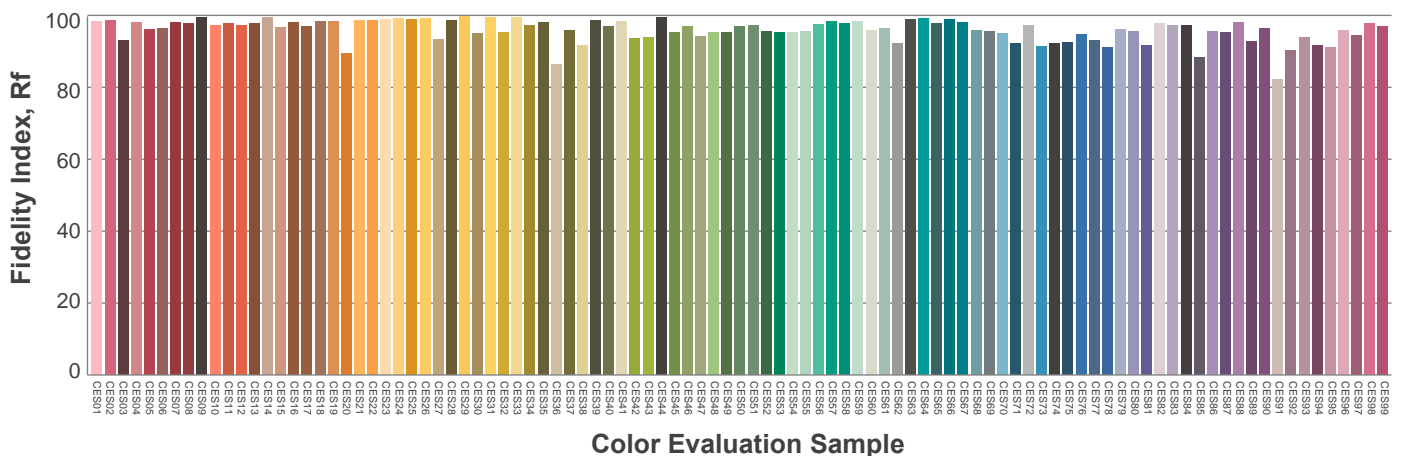
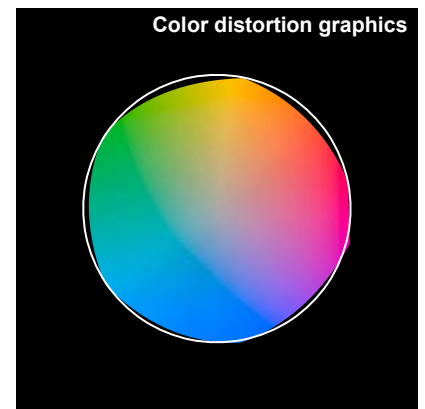
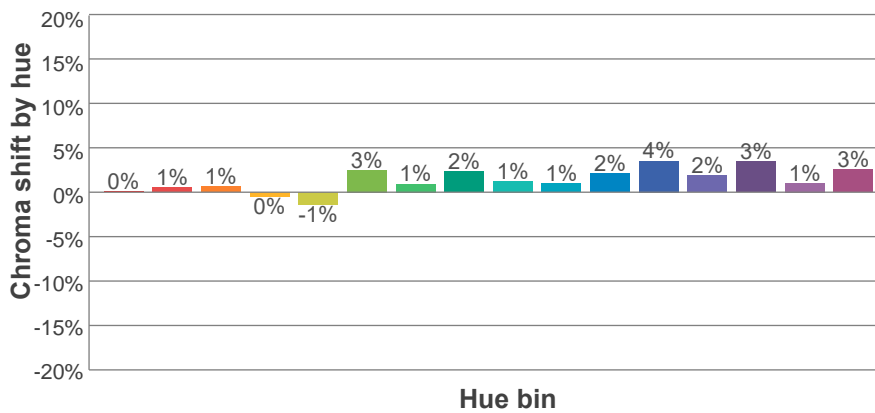
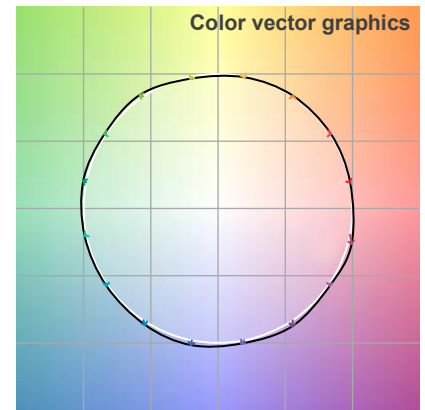
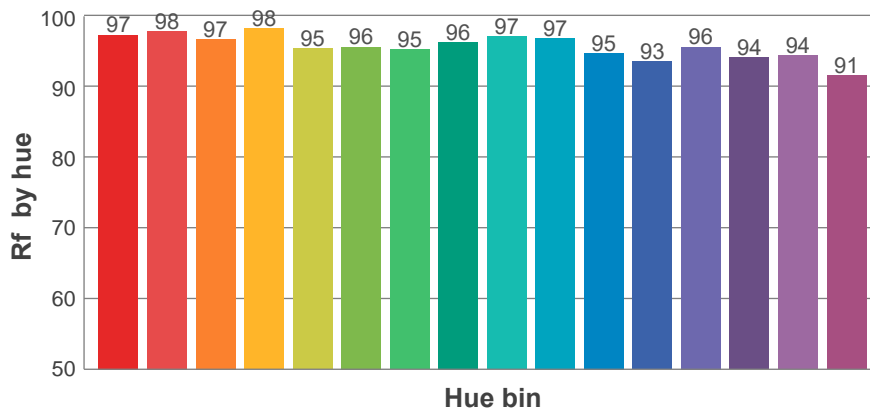
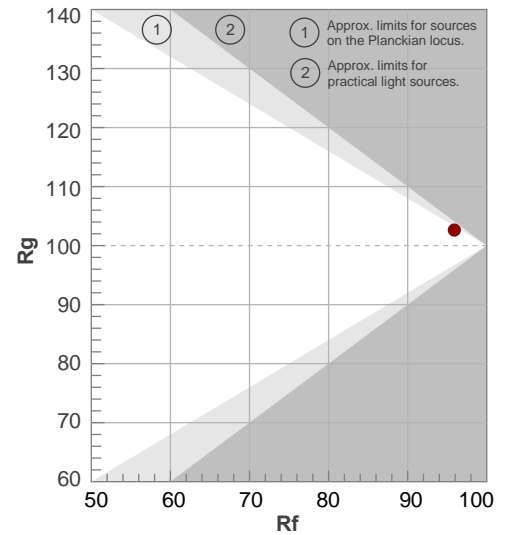
Rf 95.9

Fidelity index Rf

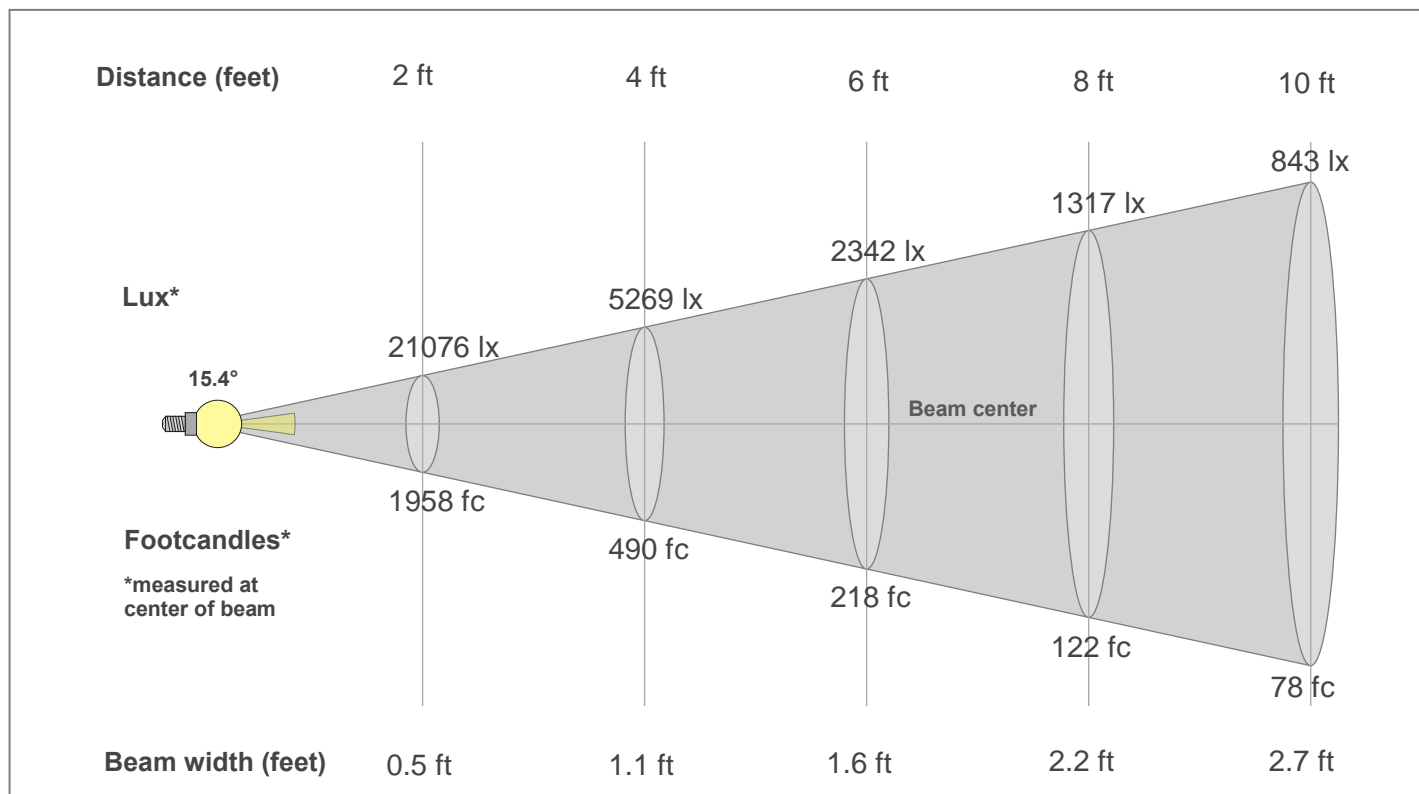
Rg 102.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	98	1%	0%
3	97	1%	0%
4	98	0%	0%
5	95	-1%	1%
6	96	3%	2%
7	95	1%	1%
8	96	2%	-1%
9	97	1%	1%
10	97	1%	2%
11	95	2%	3%
12	93	4%	0%
13	96	2%	-3%
14	94	3%	-3%
15	94	1%	-2%
16	91	3%	-6%



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
7832lx	1958lx	870lx	490lx	313lx	218lx	160lx	122lx	97lx	78lx	65lx	54lx	46lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
727.6fc	181.9fc	80.8fc	45.5fc	29.1fc	20.2fc	14.8fc	11.4fc	9fc	7.3fc	6fc	5.1fc	4.3fc	3.7fc	3.2fc	2.8fc	2.5fc	2.2fc	2fc	1.8fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7832	7733	7436	6980	6400	5729	5033	4344	3705	3122	2609	2167	1797	1488	1229	1015	843	704	590	497
100%	99%	95%	89%	82%	73%	64%	55%	47%	40%	33%	28%	23%	19%	16%	13%	11%	9%	8%	6%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7832	7754	7466	7005	6435	5772	5074	4379	3728	3140	2631	2192	1820	1504	1242	1028	850	704	589	497
100%	99%	95%	89%	82%	74%	65%	56%	48%	40%	34%	28%	23%	19%	16%	13%	11%	9%	8%	6%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7832	7733	7436	6980	6400	5729	5033	4344	3705	3122	2609	2167	1797	1488	1229	1015	843	704	590	497
100%	99%	95%	89%	82%	73%	64%	55%	47%	40%	33%	28%	23%	19%	16%	13%	11%	9%	8%	6%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7832	7754	7466	7005	6435	5772	5074	4379	3728	3140	2631	2192	1820	1504	1242	1028	850	704	589	497
100%	99%	95%	89%	82%	74%	65%	56%	48%	40%	34%	28%	23%	19%	16%	13%	11%	9%	8%	6%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
15.4°	32.8°	50.6°	99.0%	98.5%