

Photometric / Colorimetric / Electric Report

Fixture Model:

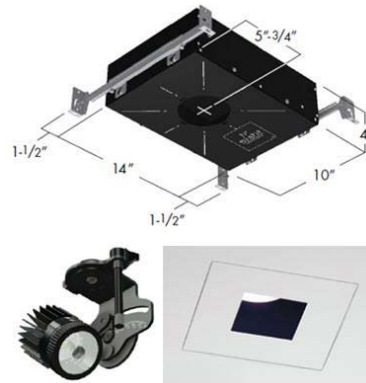
804S-J2S-HI-3-30-15-PR1-8-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

12/6/2023



Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

2997 K

CIE 1931:

**x: 0.435
y: 0.399**

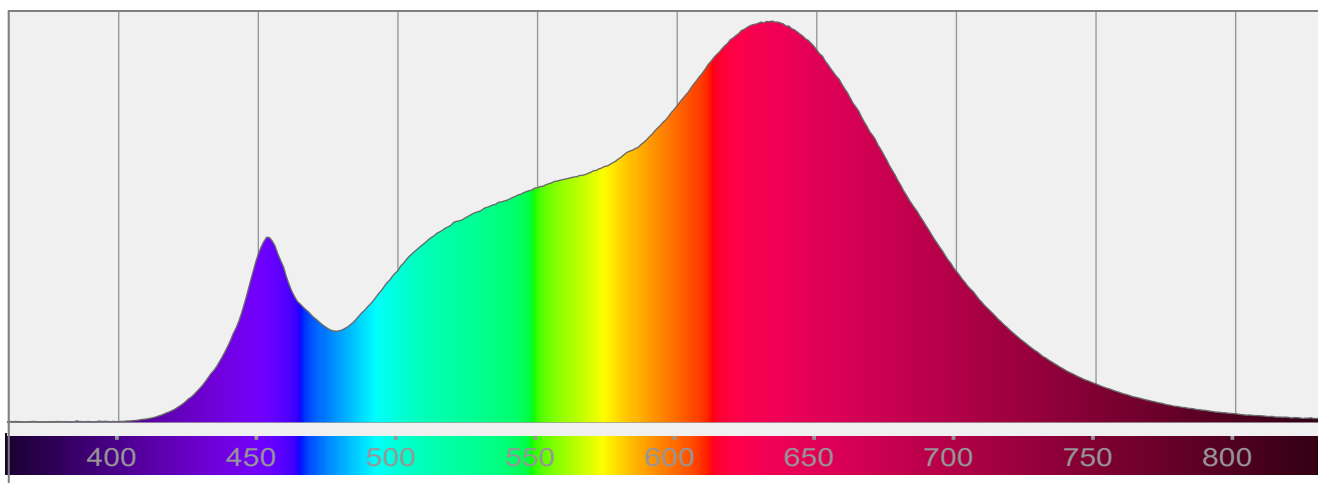
Output: 837 lm

Peak: 7747 cd

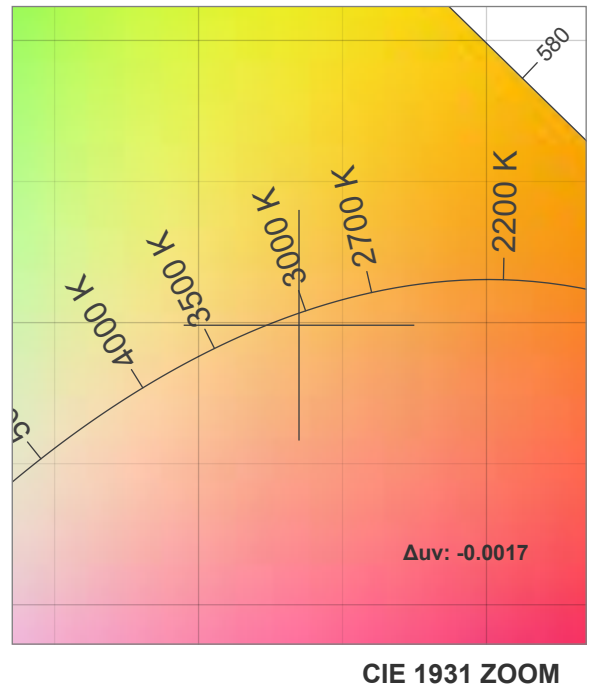
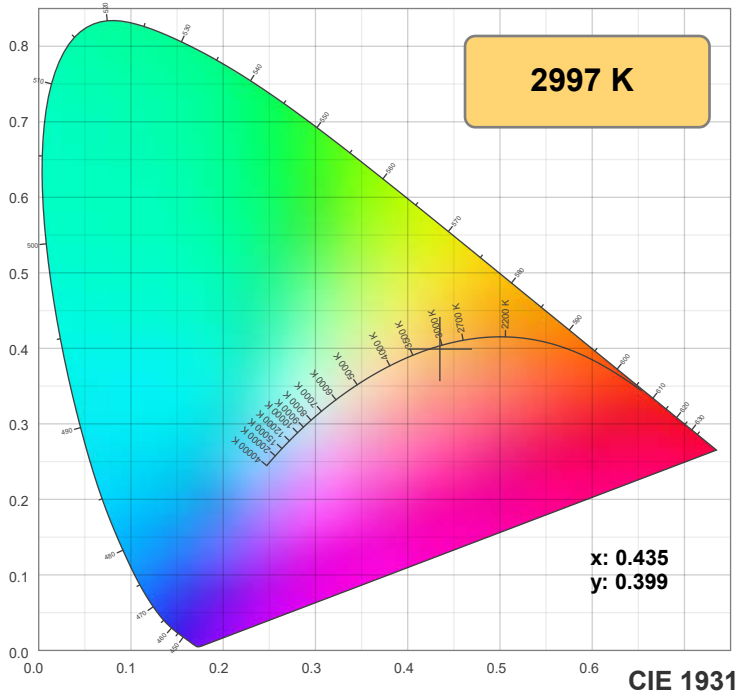
Power: 14.8 W

PF: 0.99

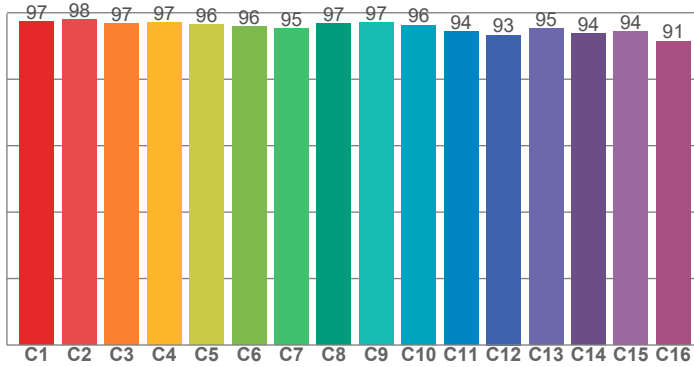
Spectra:



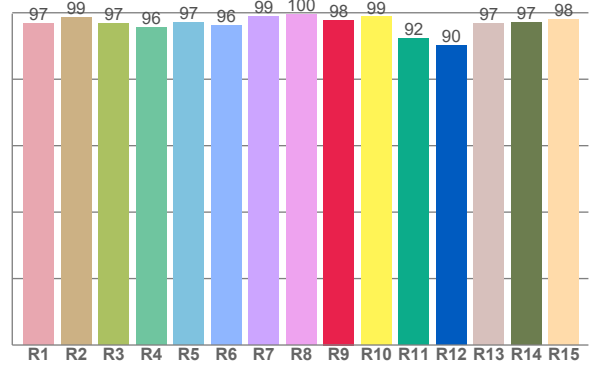
Color Details



TM-30: 95.9



CRI: 97.4 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.7	98.6	96.7	95.6	97.0	96.3	98.8	99.5	97.8	98.8	92.3	90.1	96.8	97.1	98.1

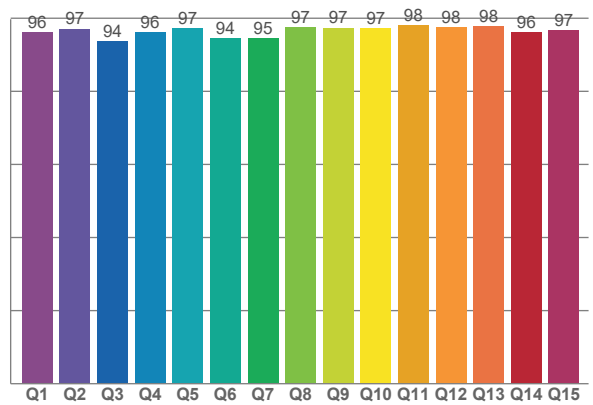
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	98.0	96.8	96.9	96.4	95.8	95.1	96.6	97.1	96.3	94.4	93.3	95.2	93.8	94.2	91.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.2	97.1	93.6	96.1	97.3	94.4	94.5	97.4	97.4	97.2	98.1	97.5	97.7	96.1	96.7

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2997 K	97.4	97.8	95.9	102.4	96.1	0.435	0.399	0.251	0.346	-0.0017

TM-30 Details

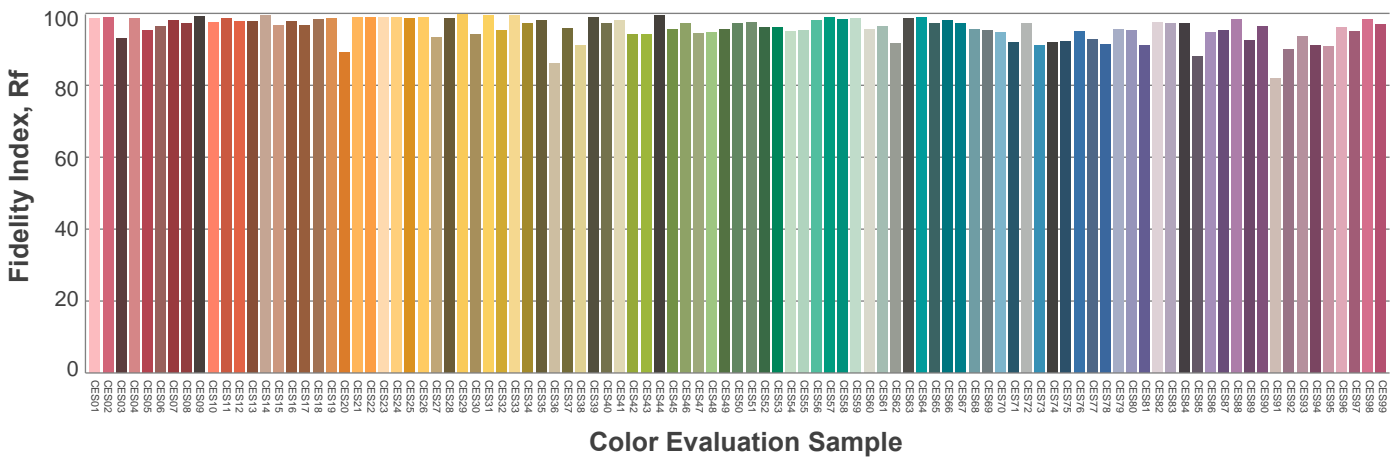
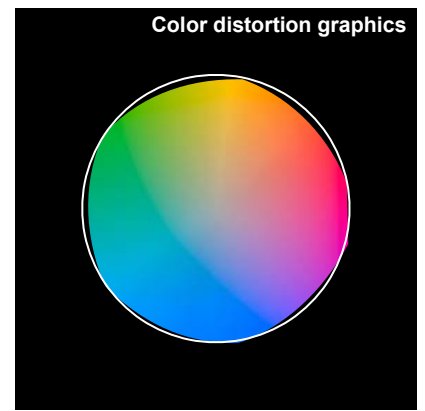
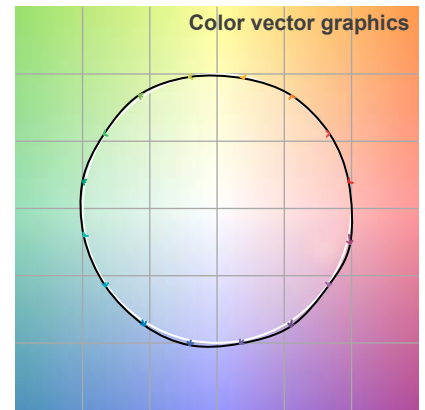
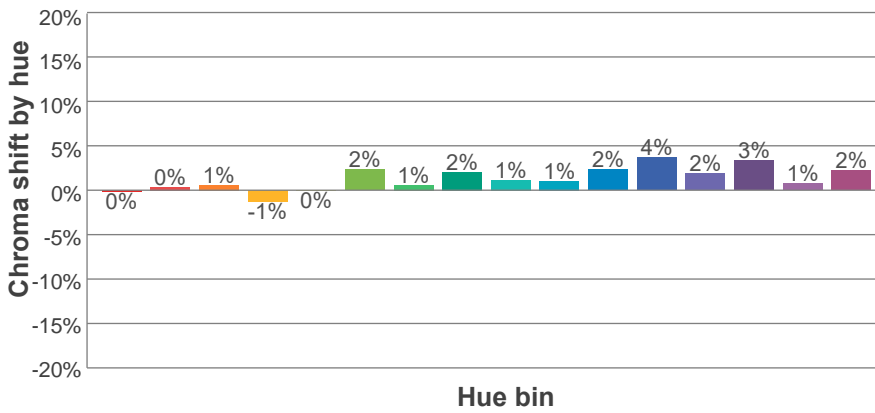
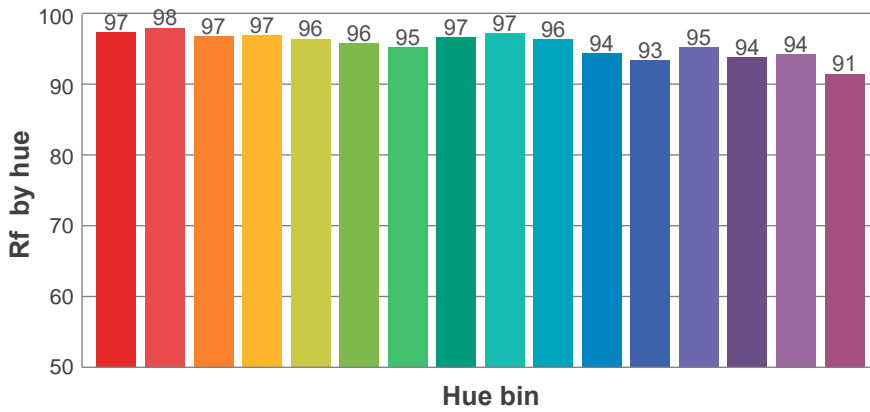
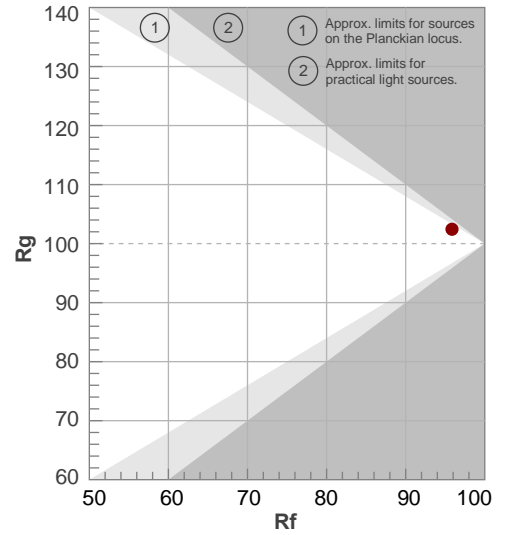
Rf 95.9

Fidelity index R_f

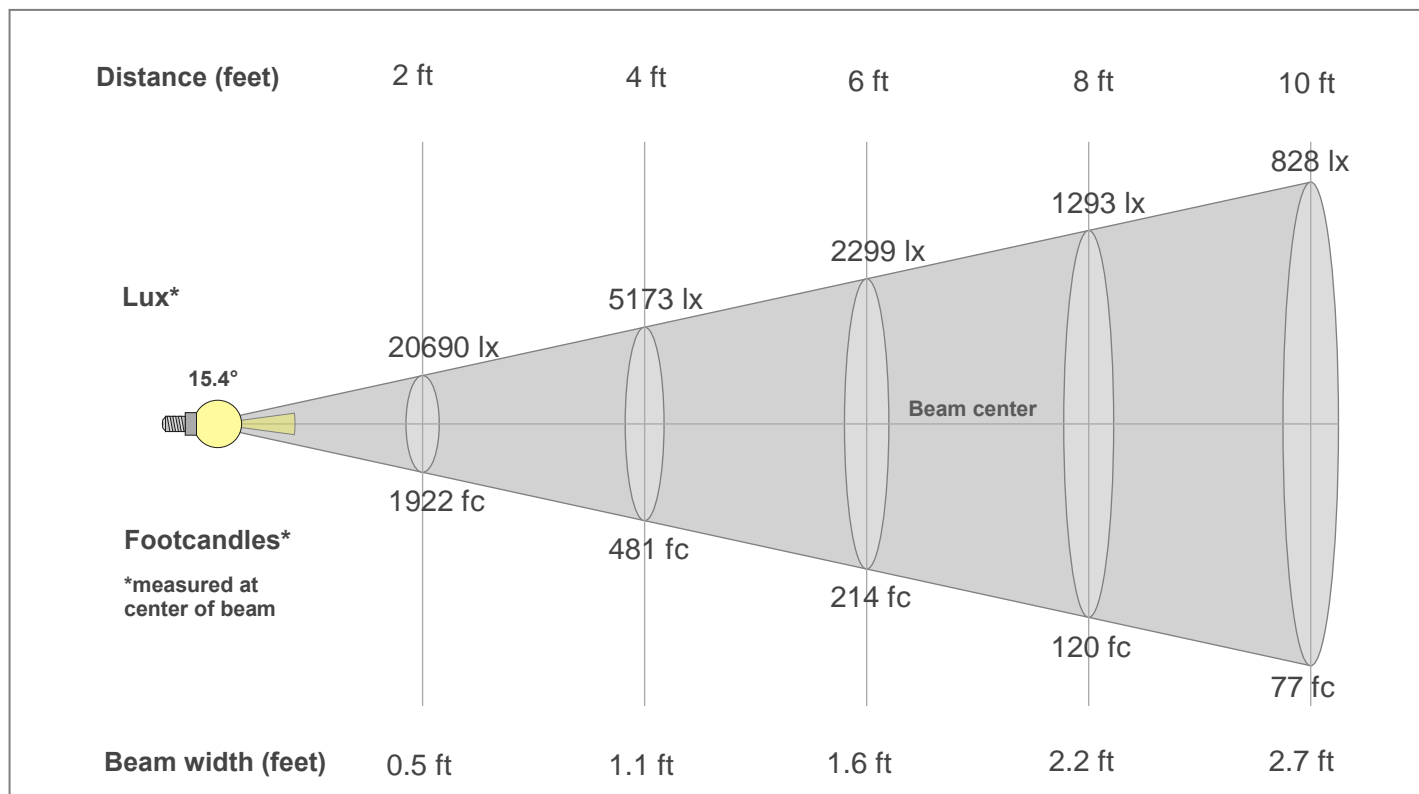
Rg 102.4

Gamut index Rg

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



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
7689lx	1922lx	854lx	481lx	308lx	214lx	157lx	120lx	95lx	77lx	64lx	53lx	45lx	39lx	34lx	30lx	27lx	24lx	21lx	19lx
714.3fc	178.6fc	79.4fc	44.6fc	28.6fc	19.8fc	14.6fc	11.2fc	8.8fc	7.1fc	5.9fc	5fc	4.2fc	3.6fc	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°
7689	7552	7273	6828	6263	5612	4937	4263	3634	3063	2559	2125	1761	1458	1208	1000	831	691	578	484
100%	98%	95%	89%	81%	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°
7689	7648	7355	6898	6327	5680	4989	4300	3660	3086	2590	2161	1799	1490	1238	1029	853	704	584	485
100%	99%	96%	90%	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°
7689	7552	7273	6828	6263	5612	4937	4263	3634	3063	2559	2125	1761	1458	1208	1000	831	691	578	484
100%	98%	95%	89%	81%	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°
7689	7648	7355	6898	6327	5680	4989	4300	3660	3086	2590	2161	1799	1490	1238	1029	853	704	584	485
100%	99%	96%	90%	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°	33°	48.5°	99.5%	99.4%