

Photometric / Colorimetric / Electric Report

Fixture Model:

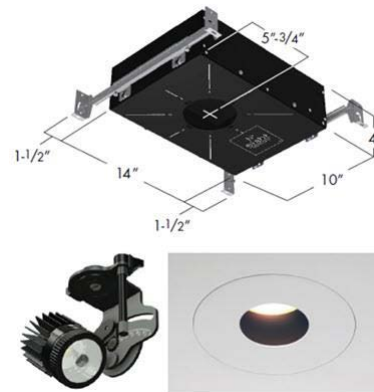
804S-J2S-HI-3-30-15-PR1-8-350-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

12/11/2023



Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

3003 K

CIE 1931:

**x: 0.434
y: 0.399**

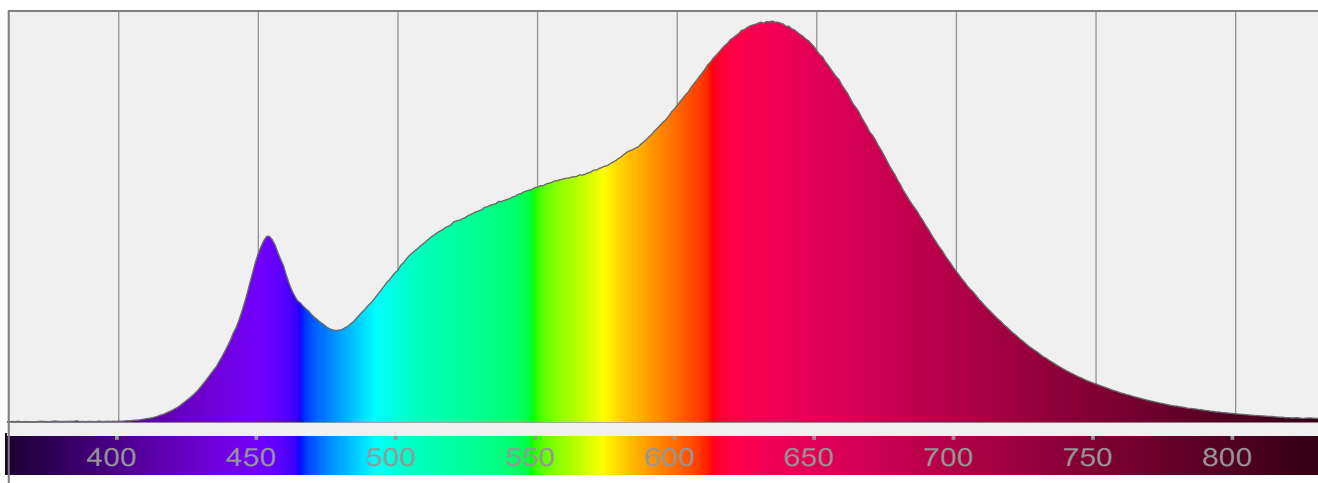
Output: 821 lm

Peak: 7496 cd

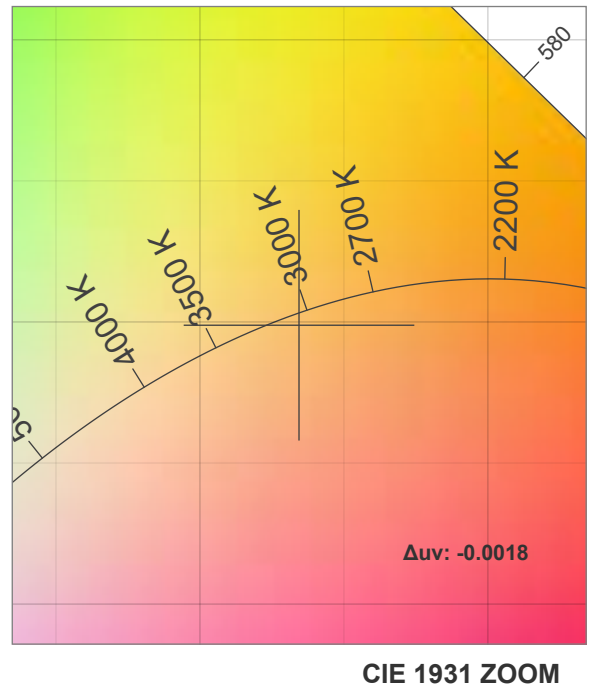
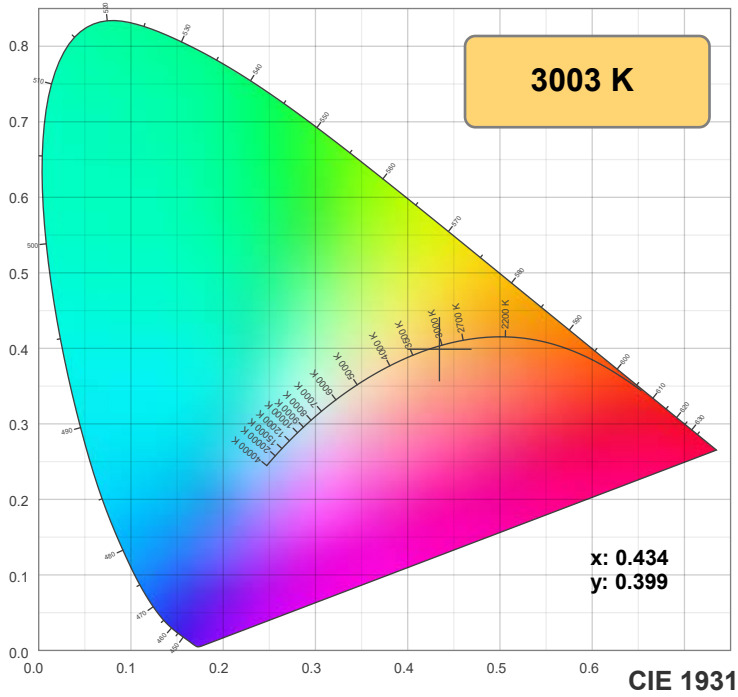
Power: 14.7 W

PF: 0.99

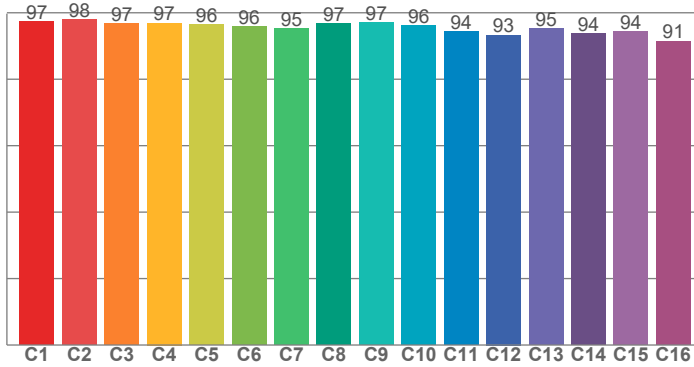
Spectra:



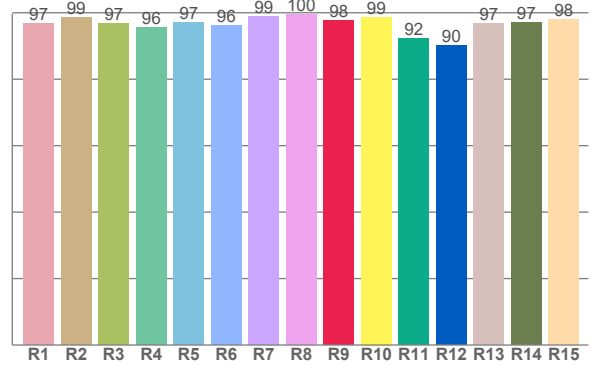
Color Details



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	96.8	95.7	97.0	96.3	98.8	99.5	97.8	98.7	92.4	90.1	96.8	97.1	98.1

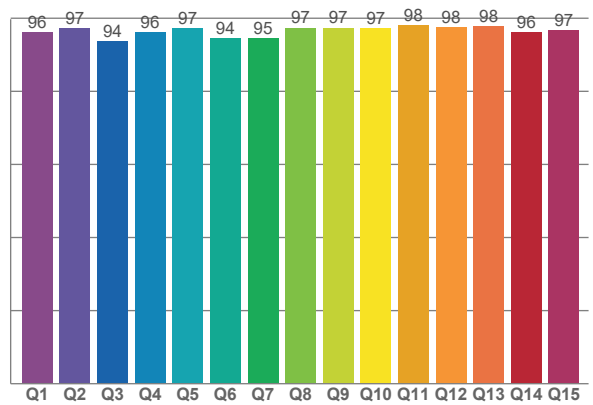
TM30 C Values:

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	96.7	97.1	96.2	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	96.0	97.3	94.5	94.5	97.4	97.4	97.2	98.1	97.6	97.8	96.1	96.7

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3003 K	97.4	97.8	95.9	102.4	96.1	0.434	0.399	0.251	0.346	-0.0018

TM-30 Details

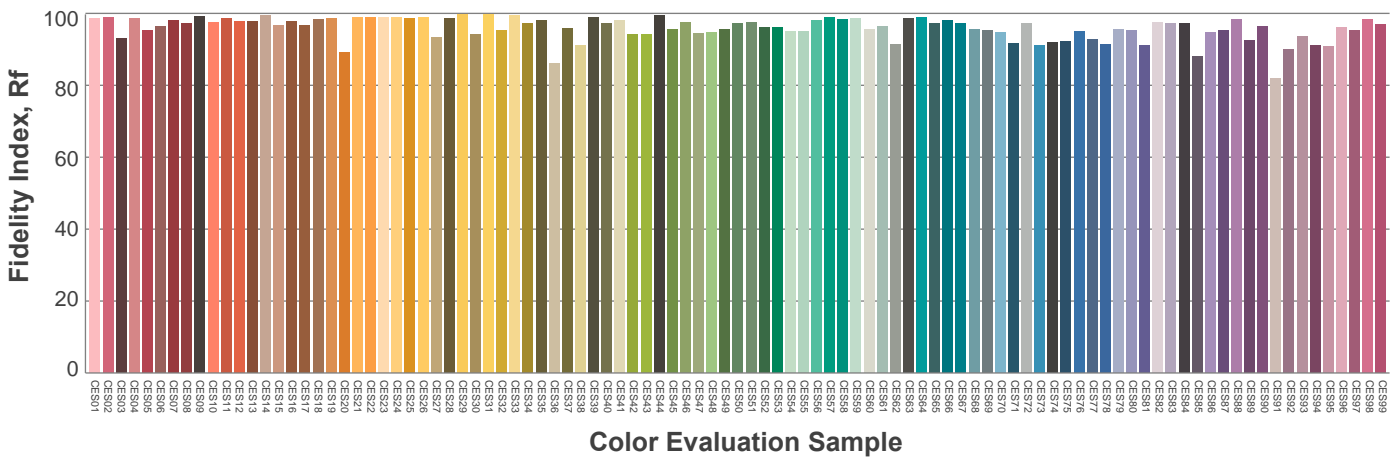
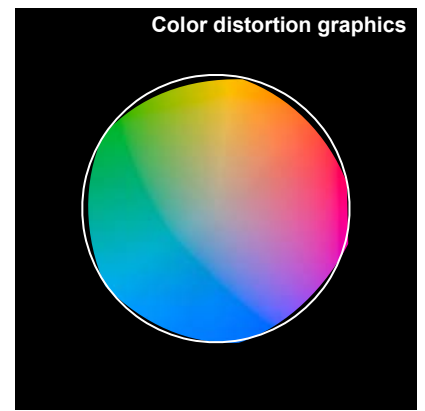
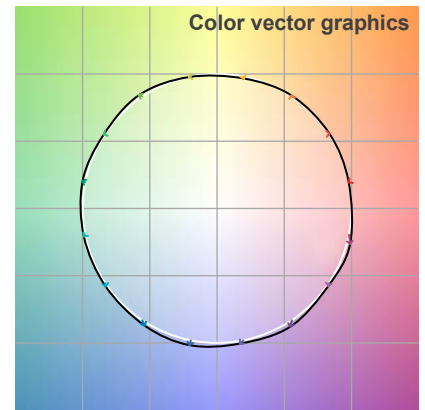
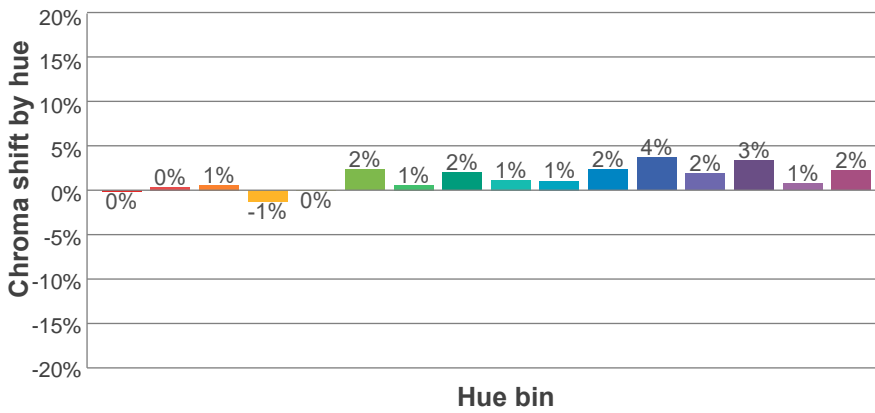
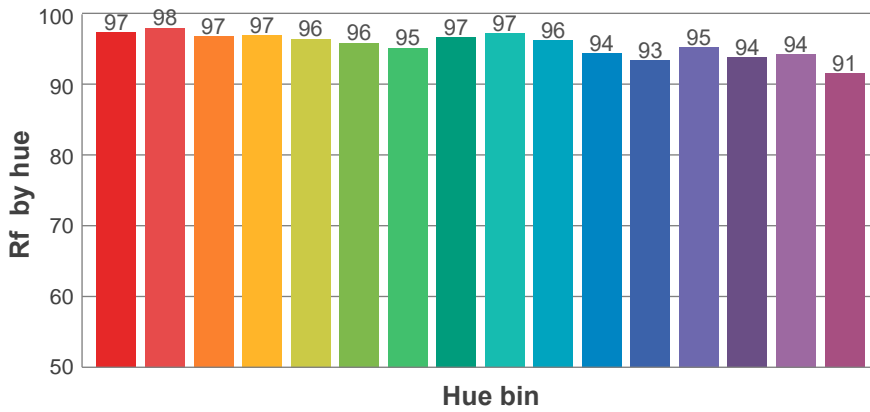
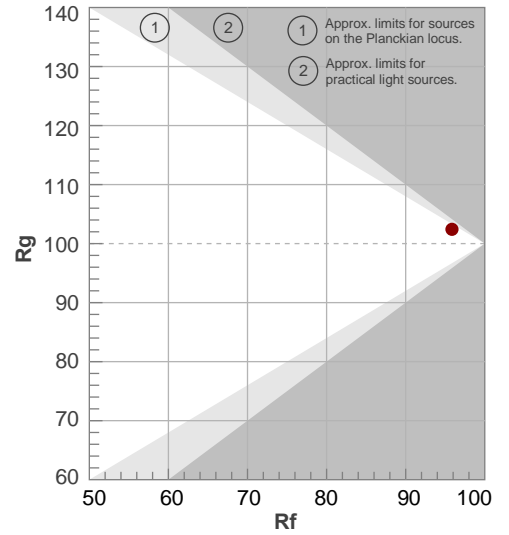
Rf 95.9

Fidelity index R_f

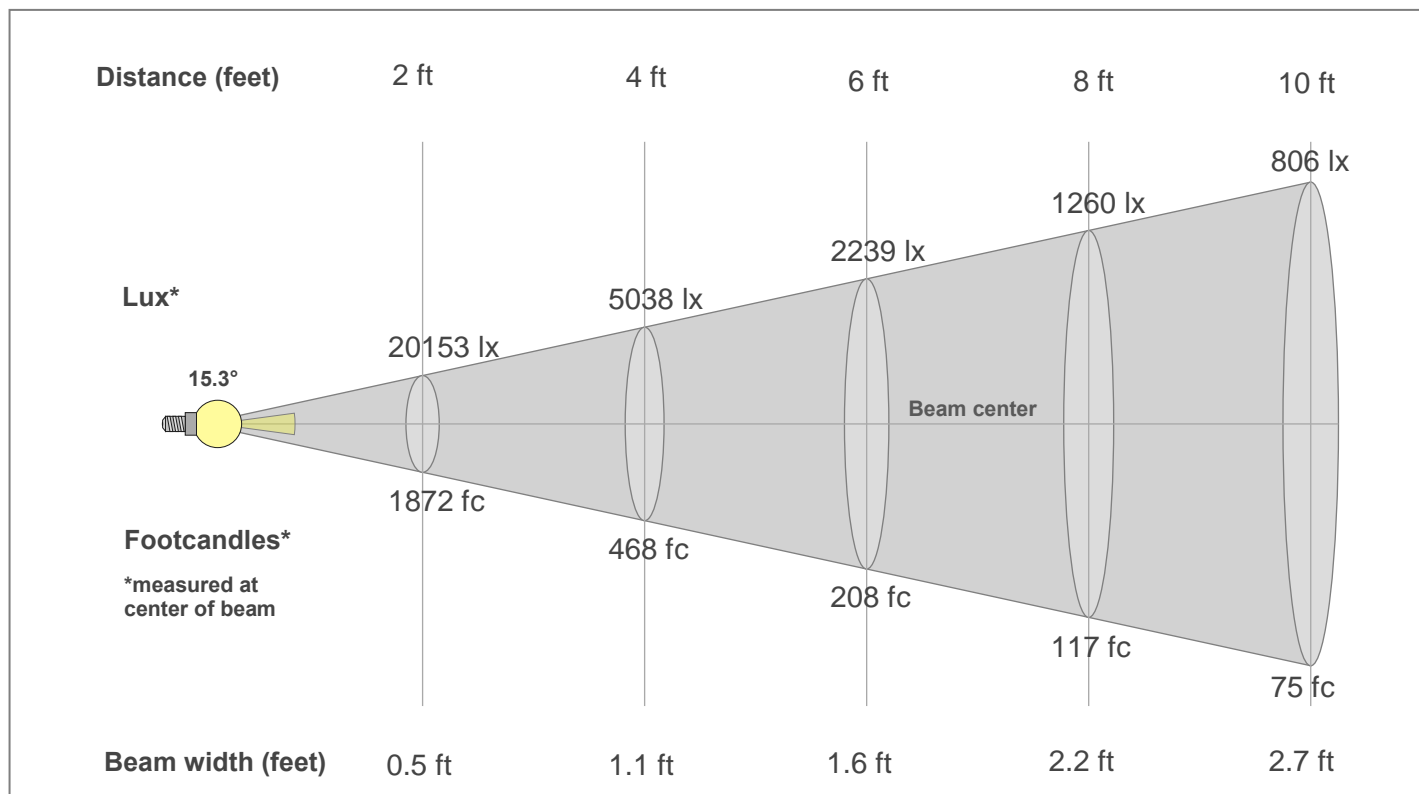
Rg 102.4

Gamut index Rg

		Shifts (%)	
Hue Bin	R_f	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
7489lx	1872lx	832lx	468lx	300lx	208lx	153lx	117lx	92lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
695.8fc	173.9fc	77.3fc	43.5fc	27.8fc	19.3fc	14.2fc	10.9fc	8.6fc	7fc	5.8fc	4.8fc	4.1fc	3.5fc	3.1fc	2.7fc	2.4fc	2.1fc	1.9fc	1.7fc

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°
7489	7404	7132	6693	6134	5499	4831	4178	3561	3002	2508	2084	1728	1433	1190	990	825	692	583	491
100%	99%	95%	89%	82%	73%	65%	56%	48%	40%	33%	28%	23%	19%	16%	13%	11%	9%	8%	7%

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°
7489	7402	7113	6663	6101	5470	4802	4148	3533	2988	2507	2097	1750	1455	1213	1014	844	701	586	488
100%	99%	95%	89%	81%	73%	64%	55%	47%	40%	33%	28%	23%	19%	16%	14%	11%	9%	8%	7%

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°
7489	7404	7132	6693	6134	5499	4831	4178	3561	3002	2508	2084	1728	1433	1190	990	825	692	583	491
100%	99%	95%	89%	82%	73%	65%	56%	48%	40%	33%	28%	23%	19%	16%	13%	11%	9%	8%	7%

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°
7489	7402	7113	6663	6101	5470	4802	4148	3533	2988	2507	2097	1750	1455	1213	1014	844	701	586	488
100%	99%	95%	89%	81%	73%	64%	55%	47%	40%	33%	28%	23%	19%	16%	14%	11%	9%	8%	7%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
15.3°	33.2°	48.8°	99.5%	99.4%