

Photometric / Colorimetric / Electric Report

Fixture Model:

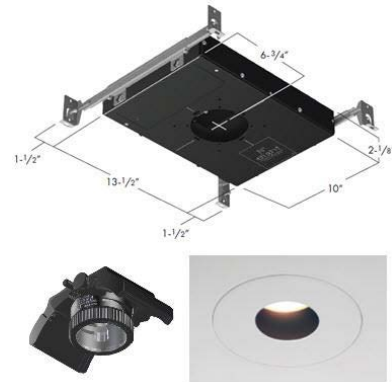
805-J5-WD-15-PR1-8.5-350-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

1/18/2024



Light efficiency:

55 Lumen/Watt

Light quality:

CRI: 97.3

Color temperature:

3113 K

CIE 1931:

**x: 0.428
y: 0.398**

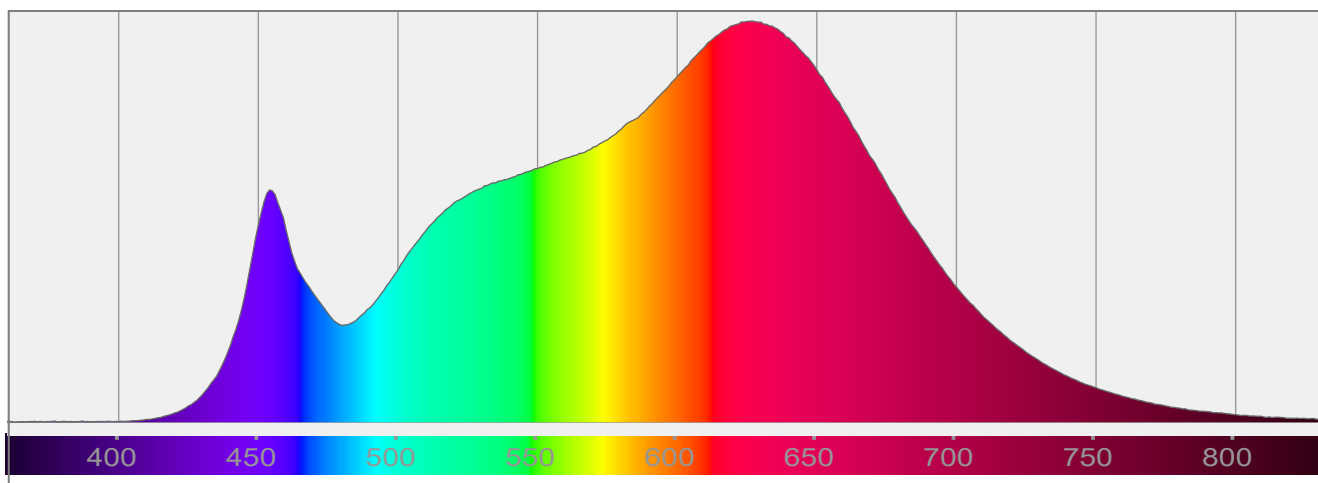
Output: 814 lm

Peak: 3807 cd

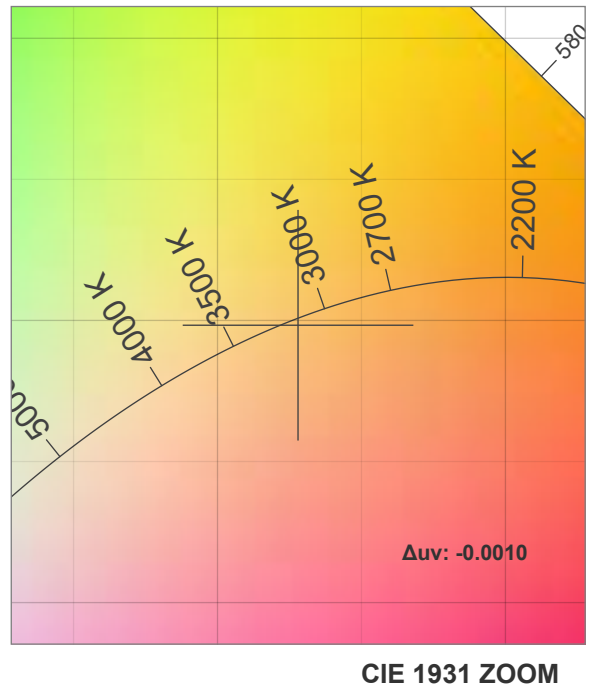
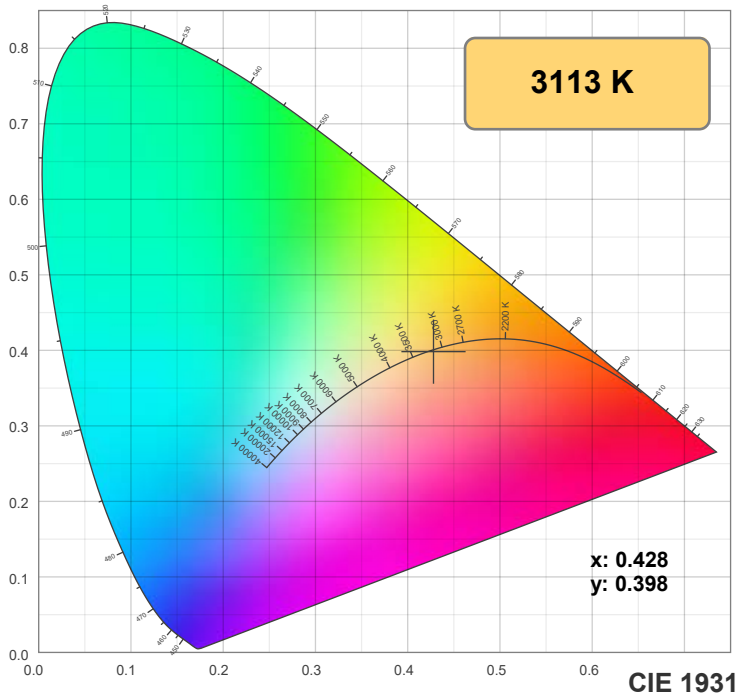
Power: 14.7 W

PF: 0.99

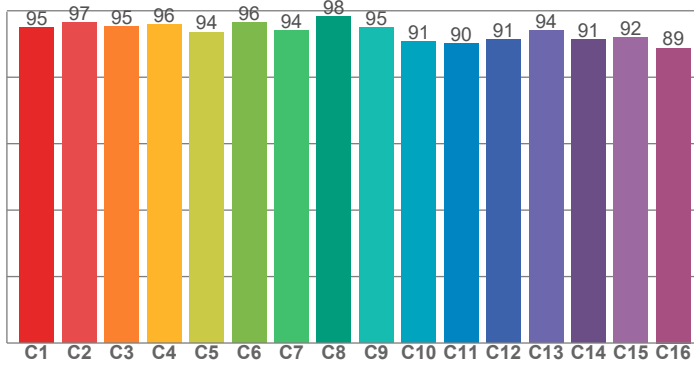
Spectra:



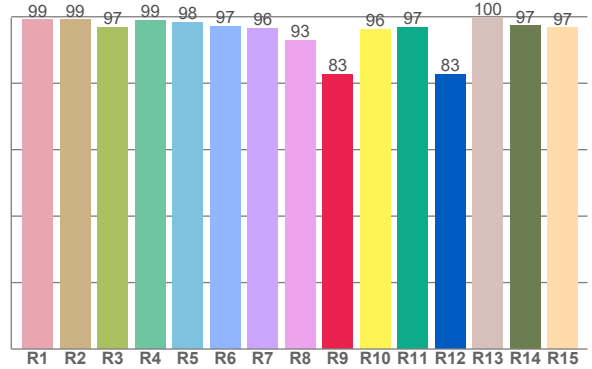
Color Details



TM-30: 93.8



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	99.0	96.9	98.8	98.4	97.0	96.4	92.8	82.7	96.1	96.7	82.7	99.7	97.2	96.6

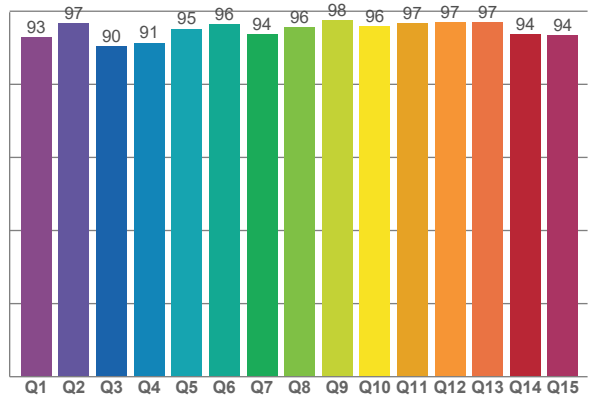
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.6	95.2	95.8	93.6	96.5	93.9	98.3	94.9	90.8	90.1	91.3	94.1	91.2	92.0	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.0	96.8	90.4	91.4	95.2	96.4	93.6	95.7	97.5	95.9	96.6	97.0	97.0	93.8	93.5

CQS: 94.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3113 K	97.3	82.7	93.8	100.8	94.3	0.428	0.398	0.247	0.345	-0.0010

TM-30 Details

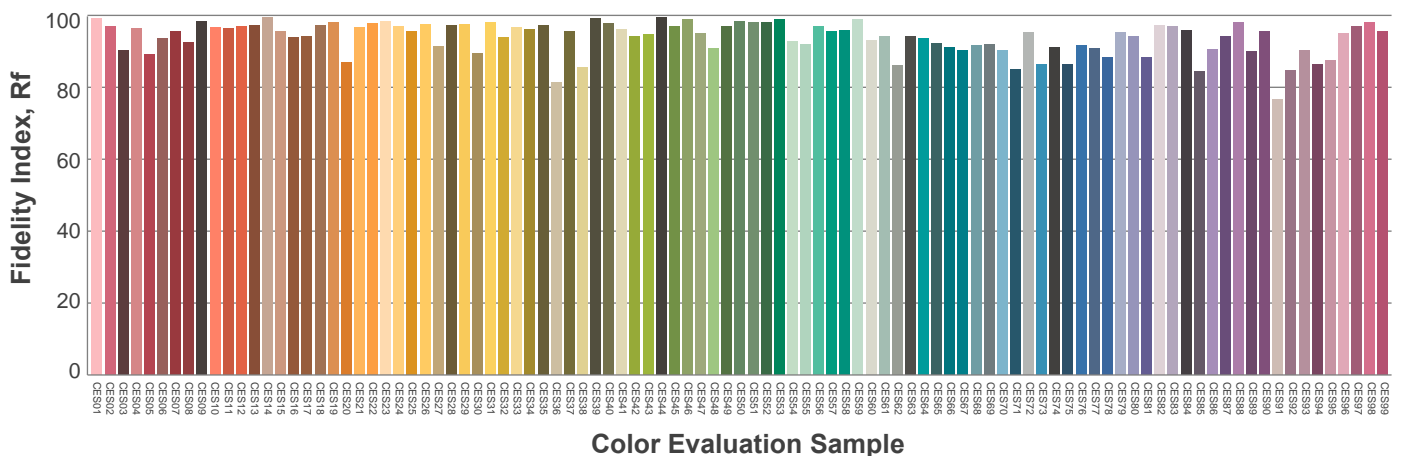
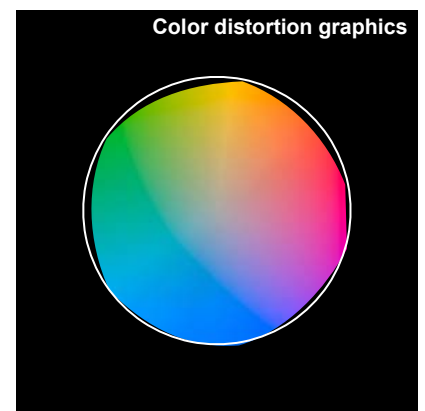
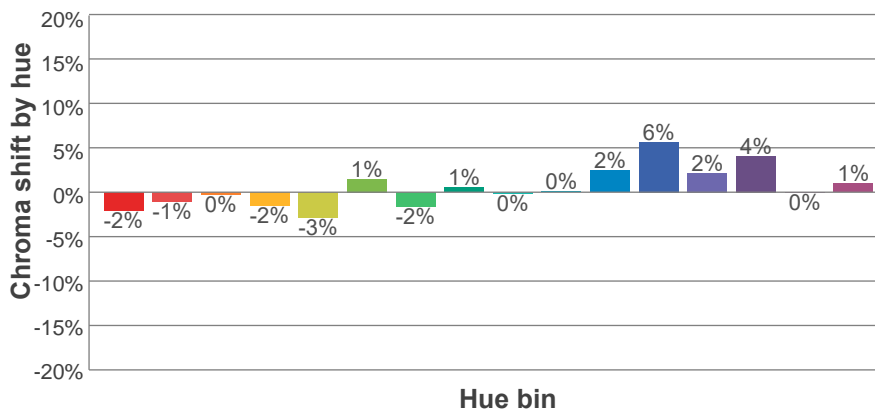
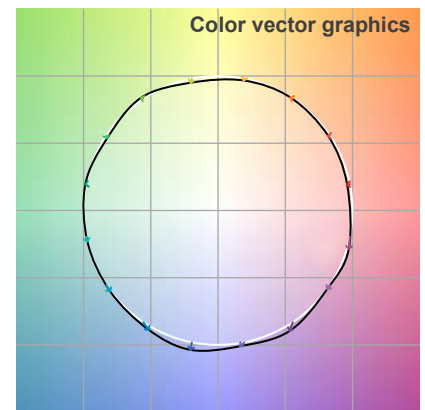
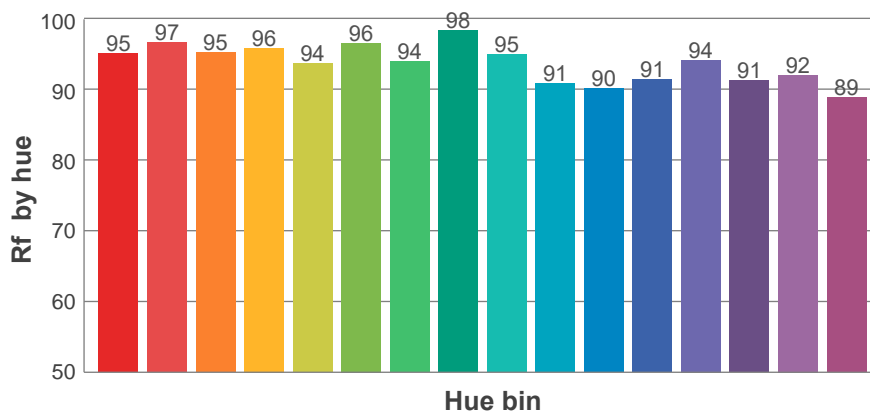
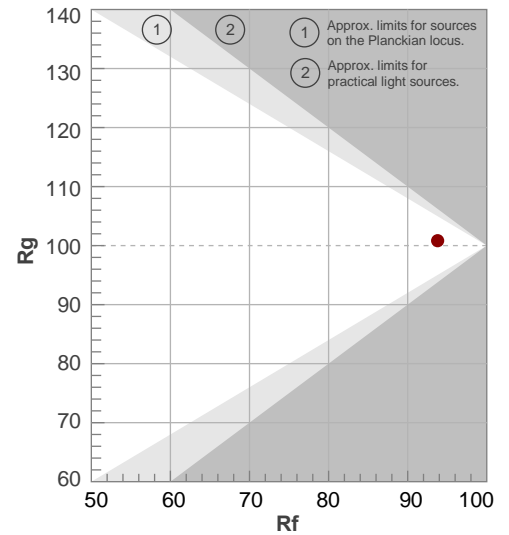
Rf 93.8

Fidelity index Rf

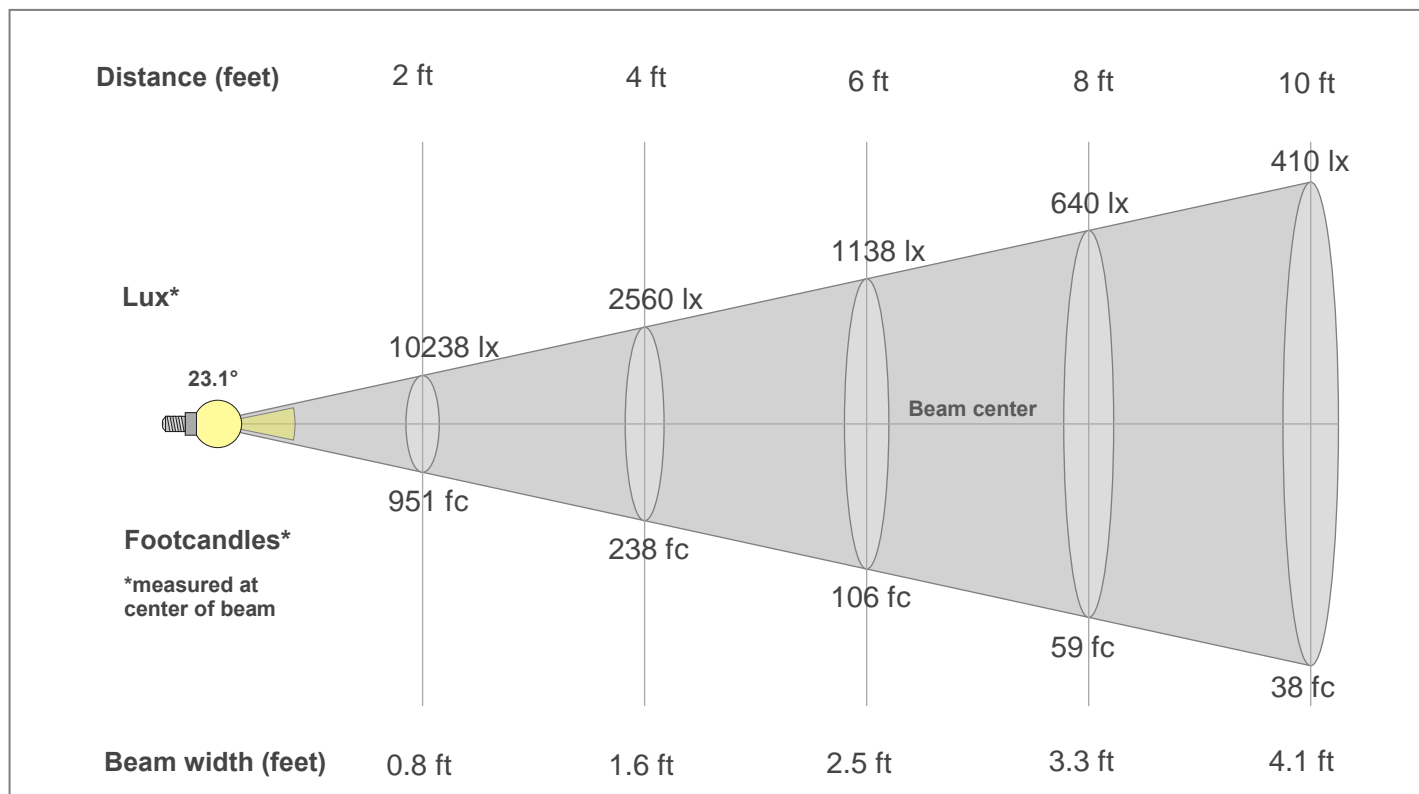
Rg 100.8

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	96	1%	1%
7	94	-2%	1%
8	98	1%	0%
9	95	0%	4%
10	91	0%	5%
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
3805lx	951lx	423lx	238lx	152lx	106lx	78lx	59lx	47lx	38lx	31lx	26lx	23lx	19lx	17lx	15lx	13lx	12lx	11lx	10lx
353.5fc	88.4fc	39.3fc	22.1fc	14.1fc	9.8fc	7.2fc	5.5fc	4.4fc	3.5fc	2.9fc	2.5fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	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°
3805	3754	3543	3206	2755	2253	1776	1366	1042	798	616	476	367	277	202	143	96	55	31	20
100%	99%	93%	84%	72%	59%	47%	36%	27%	21%	16%	13%	10%	7%	5%	4%	3%	1%	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°
3805	3739	3562	3236	2795	2302	1812	1373	1032	777	594	458	351	263	192	136	90	54	32	21
100%	98%	94%	85%	73%	61%	48%	36%	27%	20%	16%	12%	9%	7%	5%	4%	2%	1%	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°
3805	3754	3543	3206	2755	2253	1776	1366	1042	798	616	476	367	277	202	143	96	55	31	20
100%	99%	93%	84%	72%	59%	47%	36%	27%	21%	16%	13%	10%	7%	5%	4%	3%	1%	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°
3805	3739	3562	3236	2795	2302	1812	1373	1032	777	594	458	351	263	192	136	90	54	32	21
100%	98%	94%	85%	73%	61%	48%	36%	27%	20%	16%	12%	9%	7%	5%	4%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.1°	47.1°	63.8°	99.5%	99.2%