

Photometric / Colorimetric / Electric Report

Fixture Model:

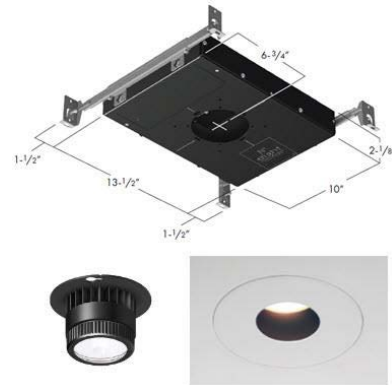
805-K5-WD-2-15-PR1-8.5-350-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/5/2023



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 97.0

Color temperature:

2848 K

CIE 1931:

**x: 0.445
y: 0.402**

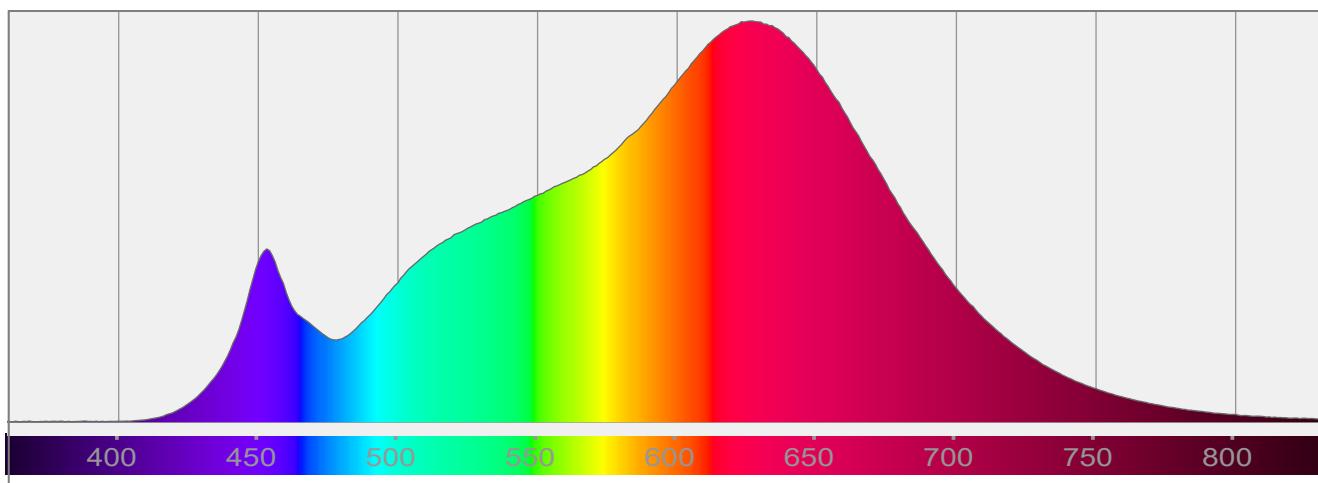
Output: 916 lm

Peak: 4089 cd

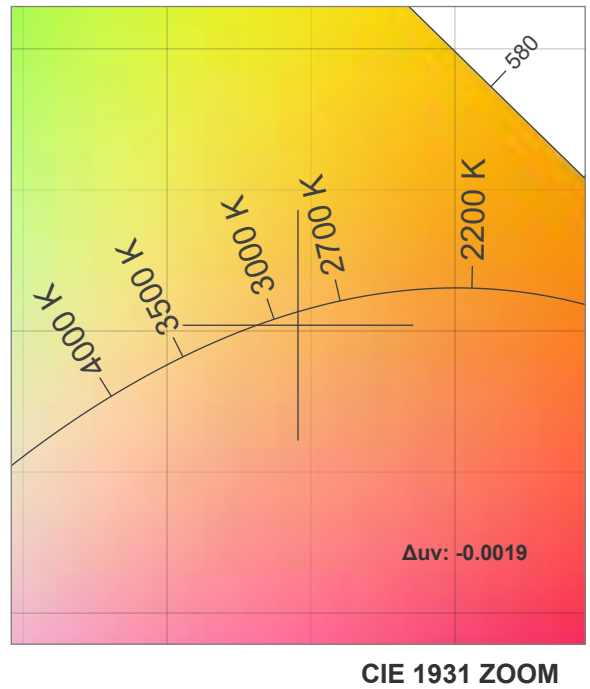
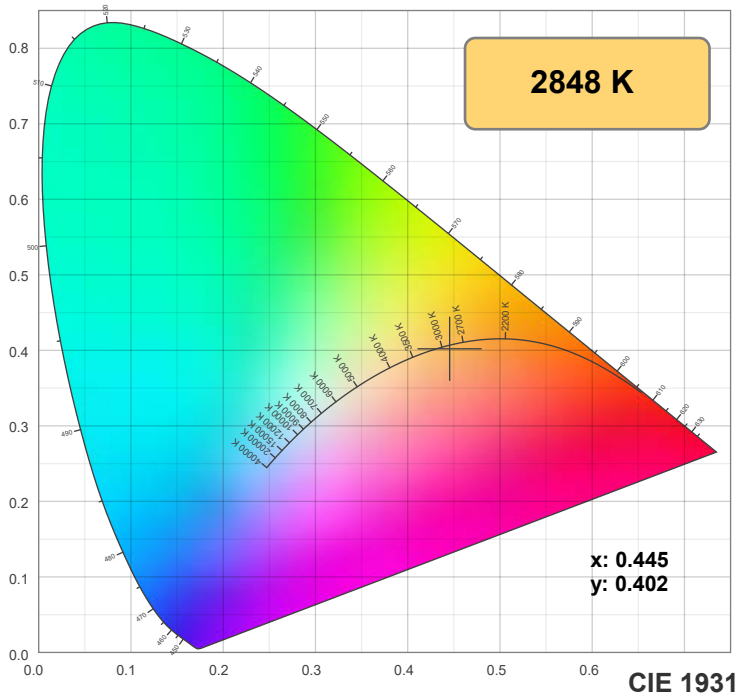
Power: 14.9 W

PF: 0.99

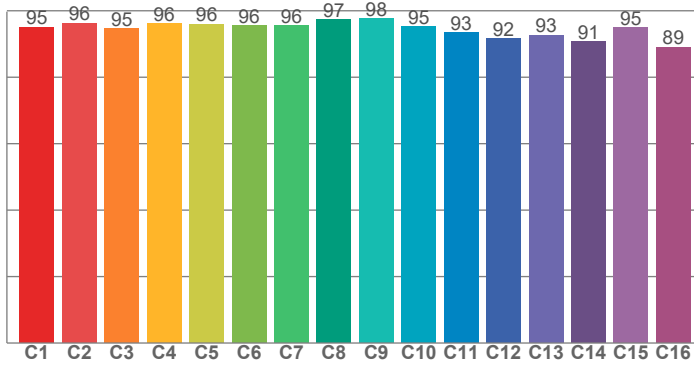
Spectra:



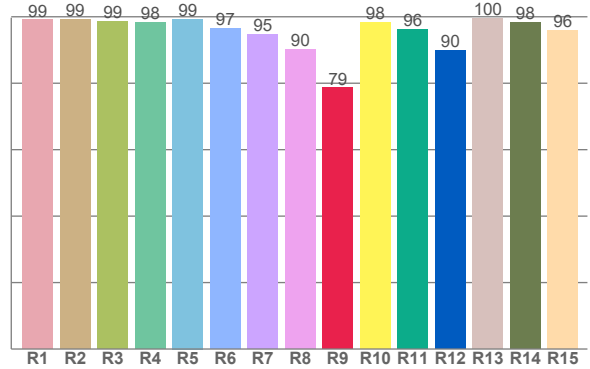
Color Details



TM-30: 94.7



CRI: 97.0 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.1	99.3	98.6	98.3	99.3	96.5	94.7	90.2	78.6	98.3	96.1	89.8	99.5	98.3	95.8

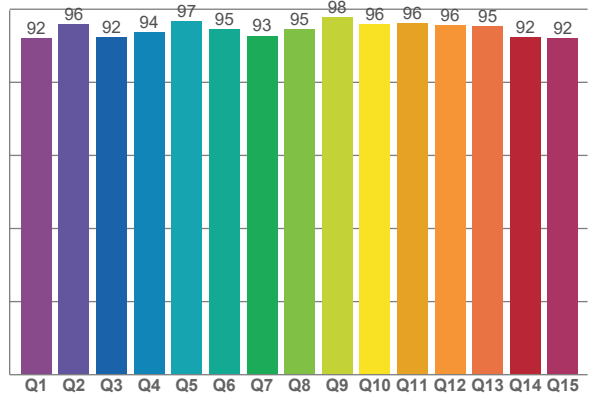
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	96.3	94.5	96.2	96.0	95.5	95.5	97.4	97.6	95.2	93.4	91.7	92.7	90.7	94.9	89.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.9	96.0	92.3	93.8	96.8	94.6	92.7	94.5	97.7	95.8	96.1	95.7	95.3	92.2	92.0

CQS: 94.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2848 K	97.0	78.6	94.7	101.3	94.0	0.445	0.402	0.257	0.348	-0.0019

TM-30 Details

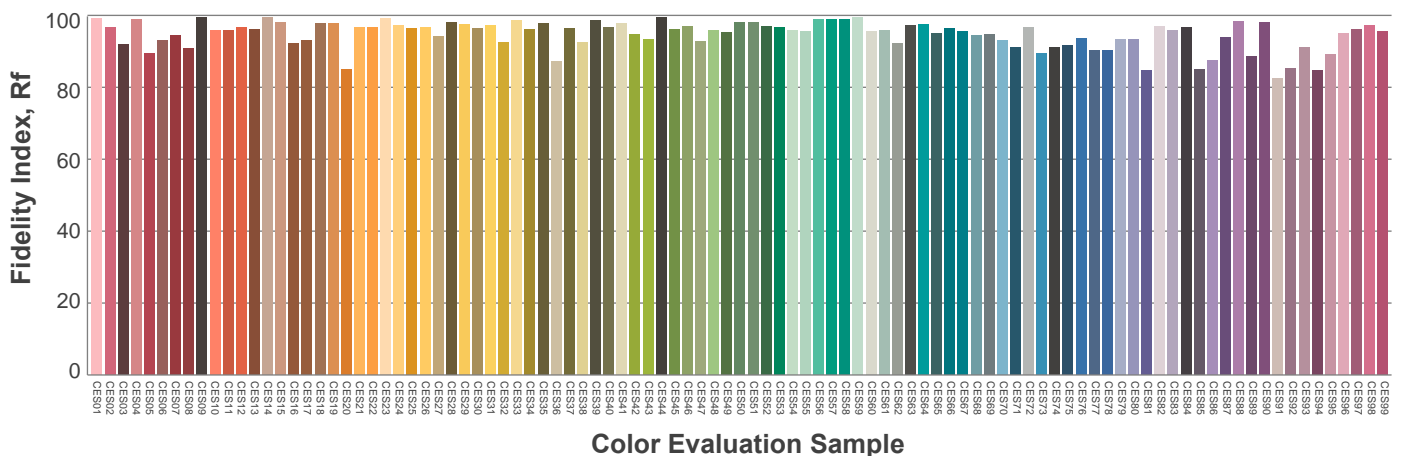
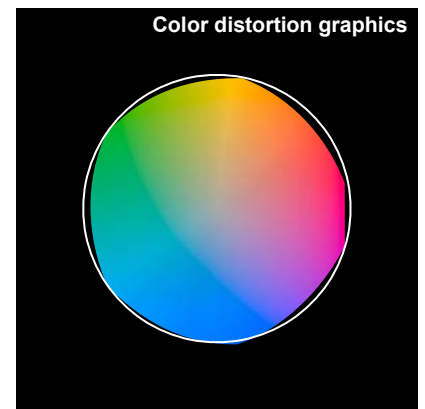
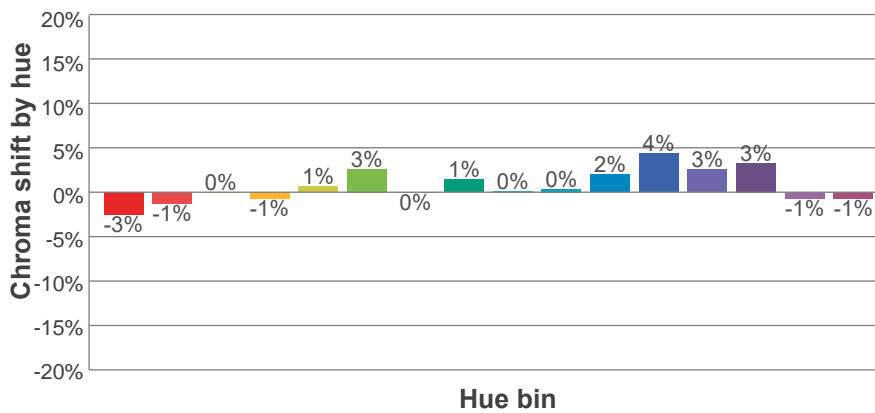
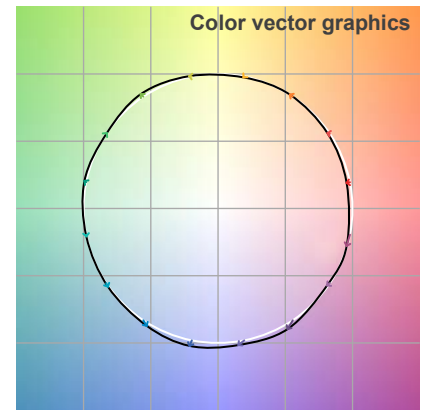
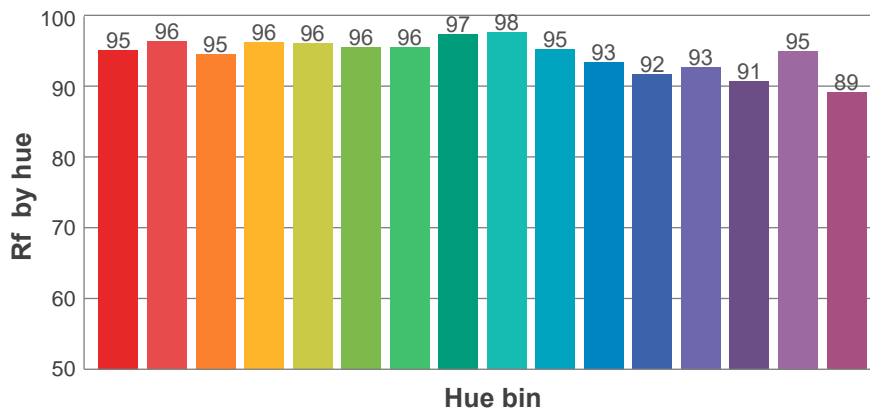
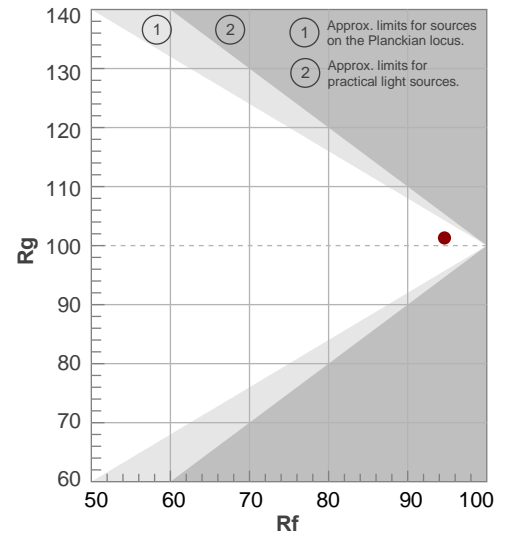
Rf 94.7

Fidelity index Rf

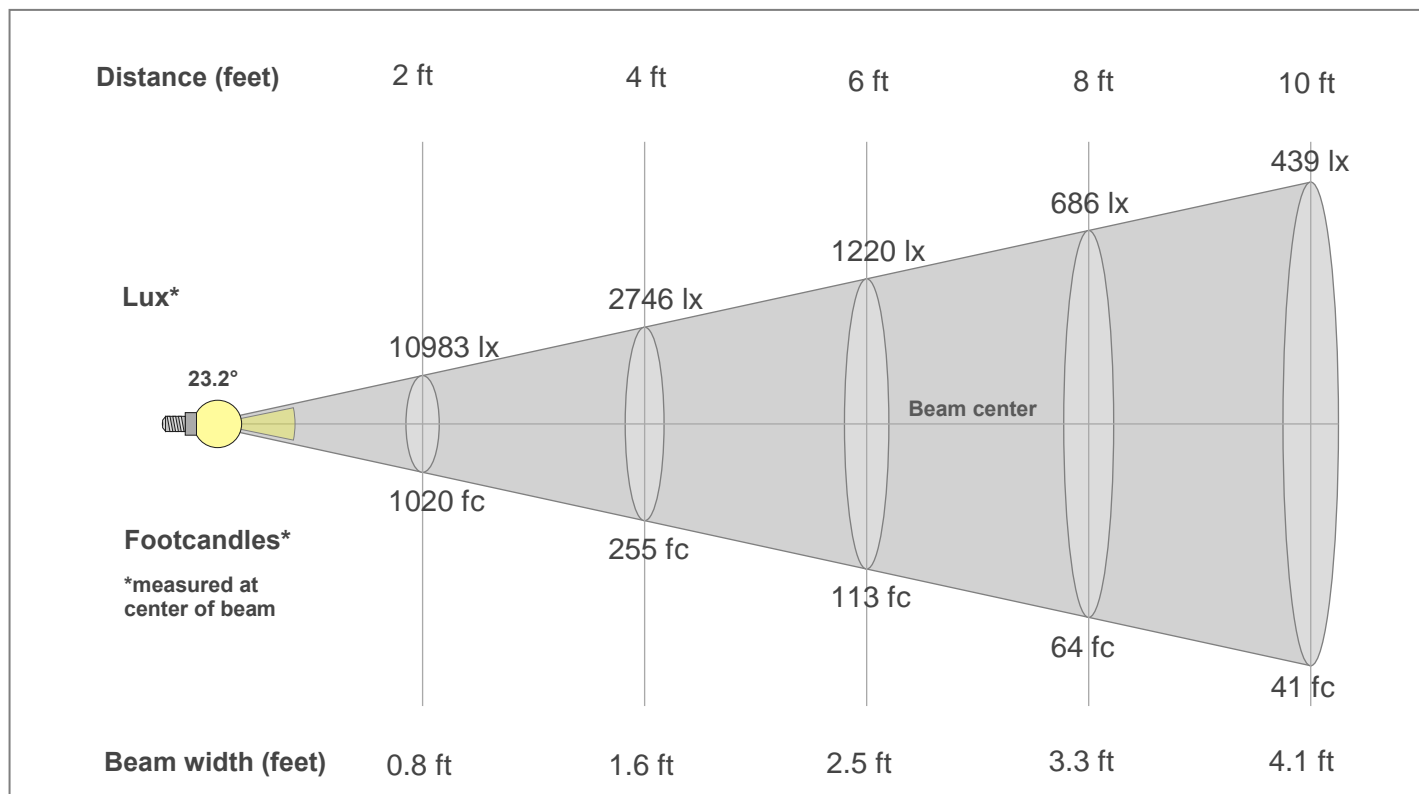
Rg 101.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	3%
4	96	-1%	0%
5	96	1%	2%
6	96	3%	1%
7	96	0%	-1%
8	97	1%	-1%
9	98	0%	1%
10	95	0%	3%
11	93	2%	4%
12	92	4%	-1%
13	93	3%	-5%
14	91	3%	-7%
15	95	-1%	-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
4081lx	1020lx	453lx	255lx	163lx	113lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
379.2fc	94.8fc	42.1fc	23.7fc	15.2fc	10.5fc	7.7fc	5.9fc	4.7fc	3.8fc	3.1fc	2.6fc	2.2fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	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°
4081	4018	3823	3479	3021	2486	1948	1479	1117	851	652	500	386	299	235	183	137	98	69	48
100%	98%	94%	85%	74%	61%	48%	36%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%	2%	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°
4081	4012	3801	3437	2962	2434	1927	1486	1144	880	679	525	407	316	248	192	143	104	73	51
100%	98%	93%	84%	73%	60%	47%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	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°
4081	4018	3823	3479	3021	2486	1948	1479	1117	851	652	500	386	299	235	183	137	98	69	48
100%	98%	94%	85%	74%	61%	48%	36%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%	2%	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°
4081	4012	3801	3437	2962	2434	1927	1486	1144	880	679	525	407	316	248	192	143	104	73	51
100%	98%	93%	84%	73%	60%	47%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.2°	47.6°	67.9°	99.4%	98.9%