

Photometric / Colorimetric / Electric Report

Fixture Model:

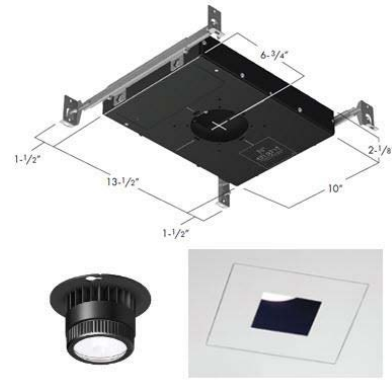
805-K5-WD-2-25-PR1-8.5-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/3/2023



Light efficiency:

55 Lumen/Watt

Light quality:

CRI: 97.0

Color temperature:

2848 K

CIE 1931:

**x: 0.445
y: 0.402**

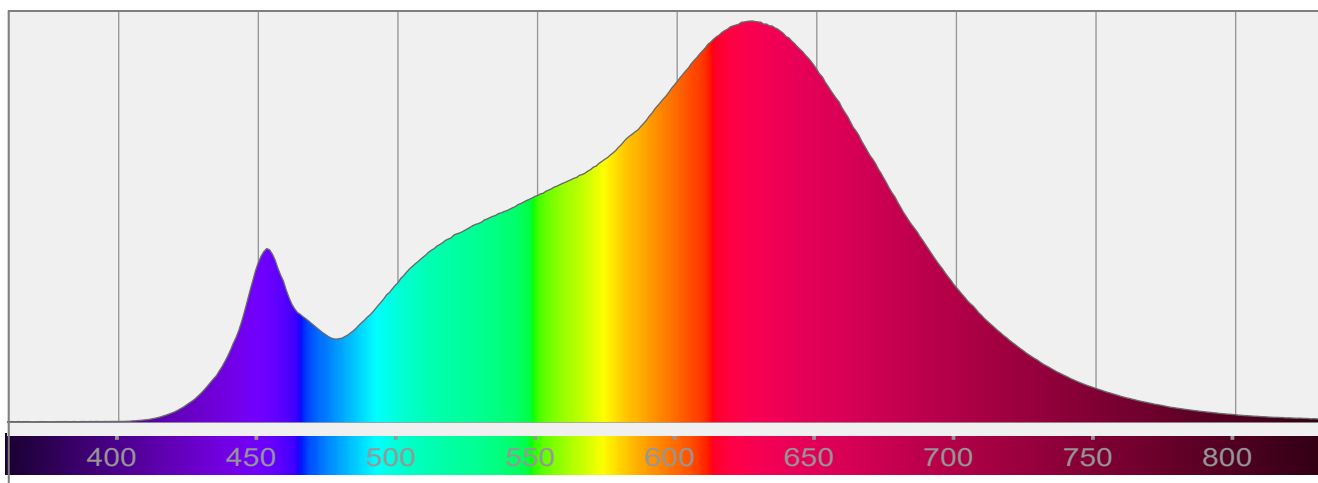
Output: 800 lm

Peak: 2457 cd

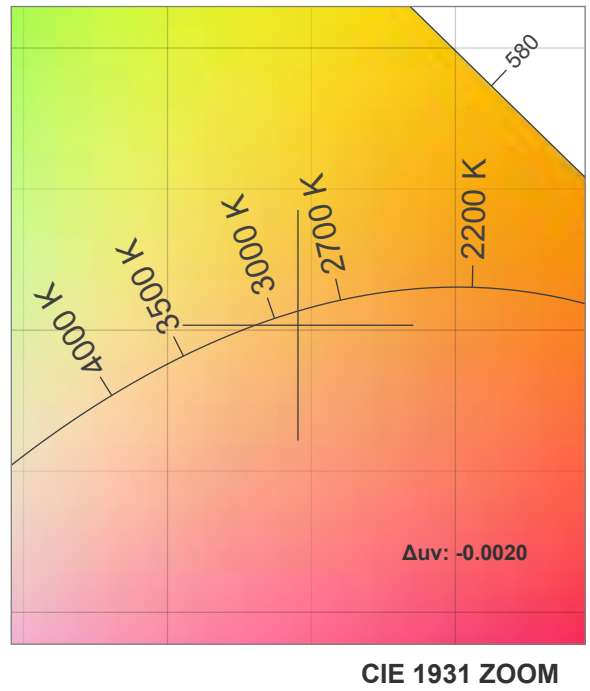
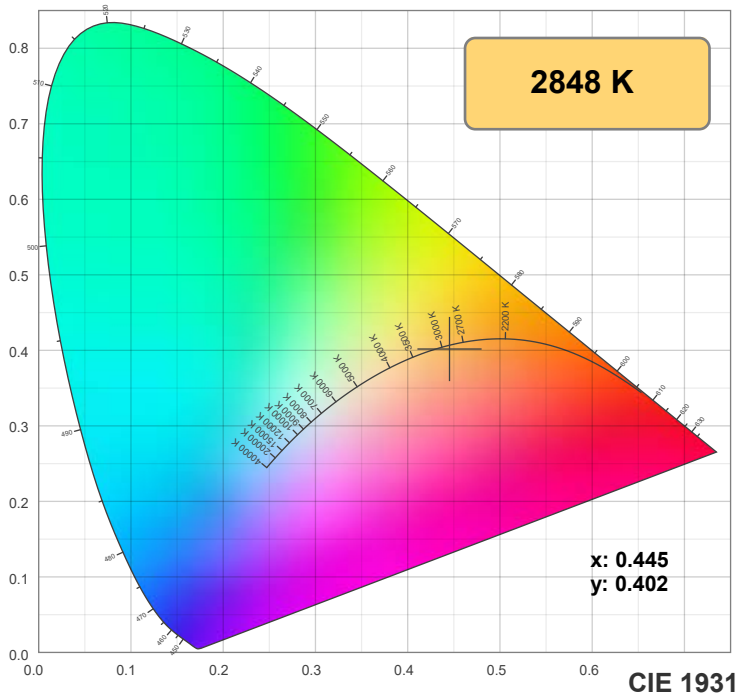
Power: 14.6 W

PF: 0.99

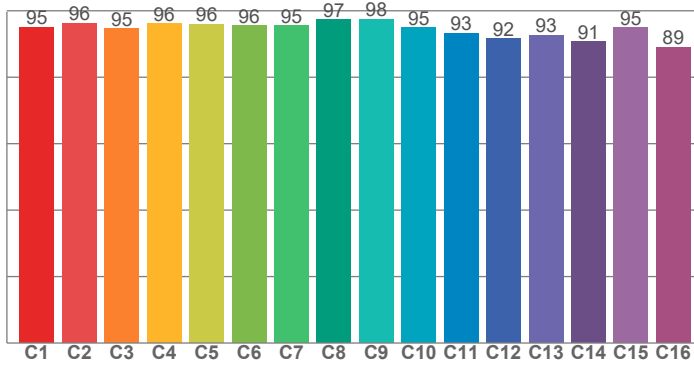
Spectra:



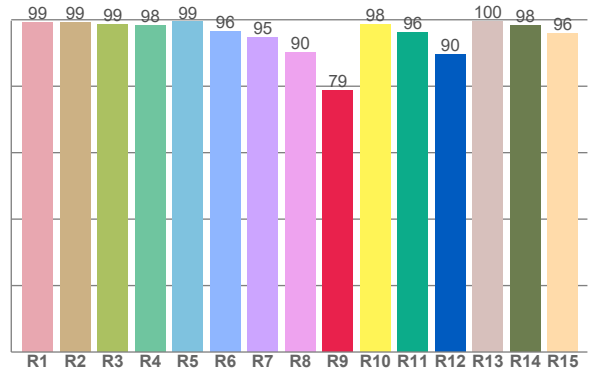
Color Details



TM-30: 94.6



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	98.7	98.3	99.3	96.4	94.6	90.2	78.7	98.5	96.2	89.7	99.5	98.3	95.9

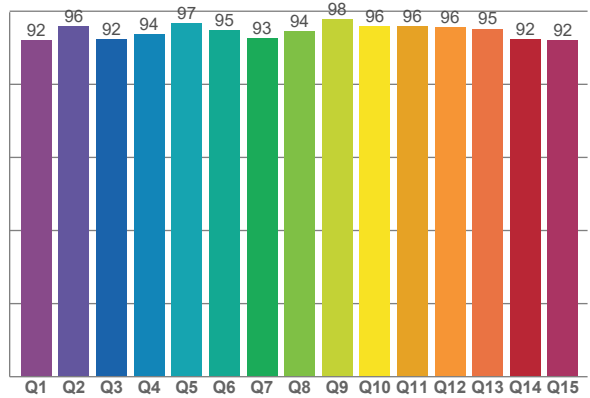
TM30 C Values:

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	95.6	95.5	97.5	97.5	95.0	93.3	91.6	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
92.0	96.0	92.2	93.7	96.8	94.8	92.7	94.4	97.7	95.8	96.0	95.6	95.2	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	78.7	94.6	101.3	94.0	0.445	0.402	0.257	0.348	-0.0020

TM-30 Details

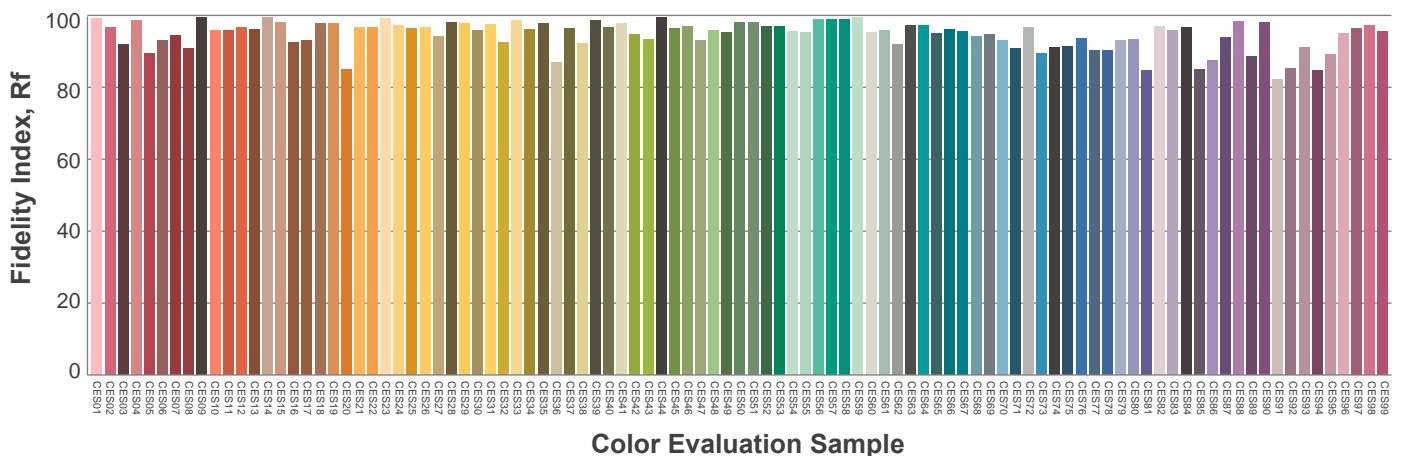
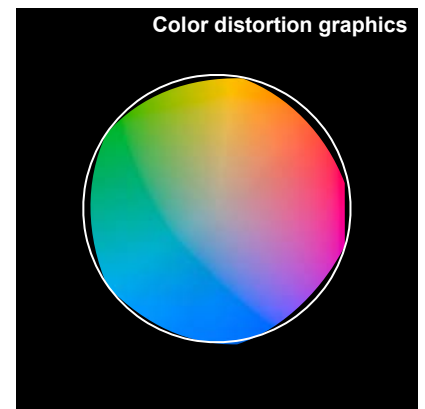
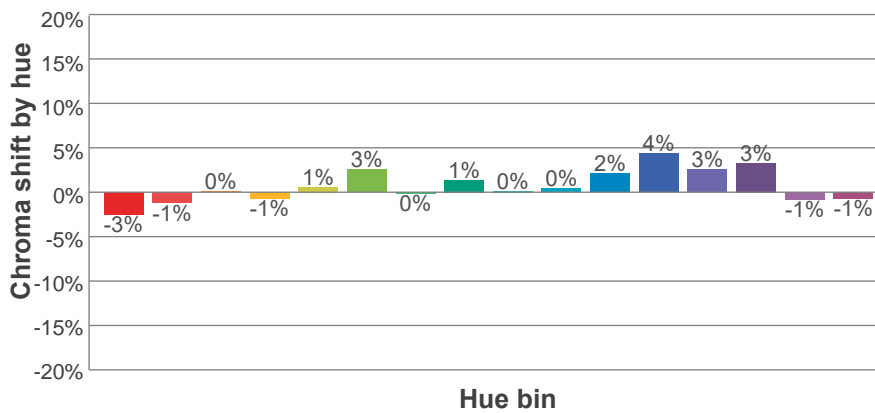
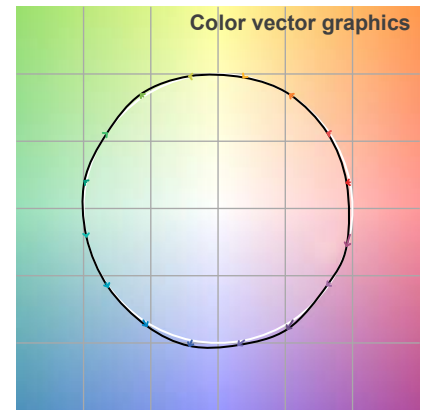
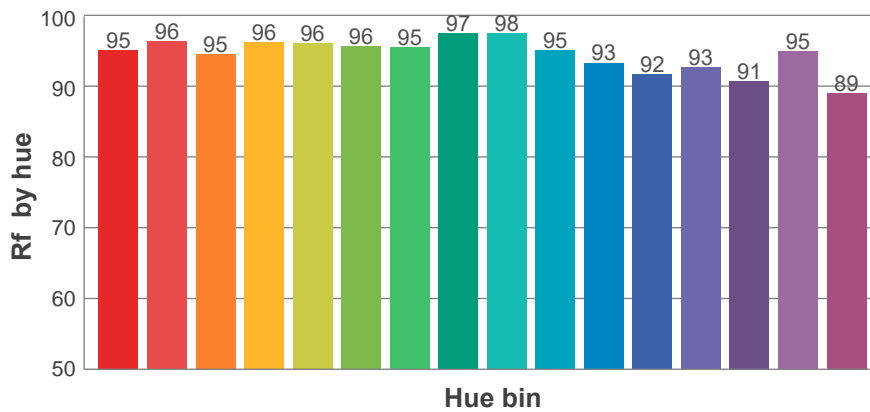
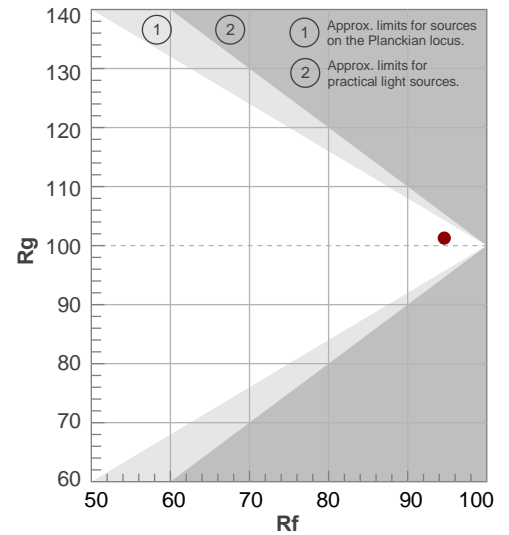
Rf 94.6

Fidelity index Rf

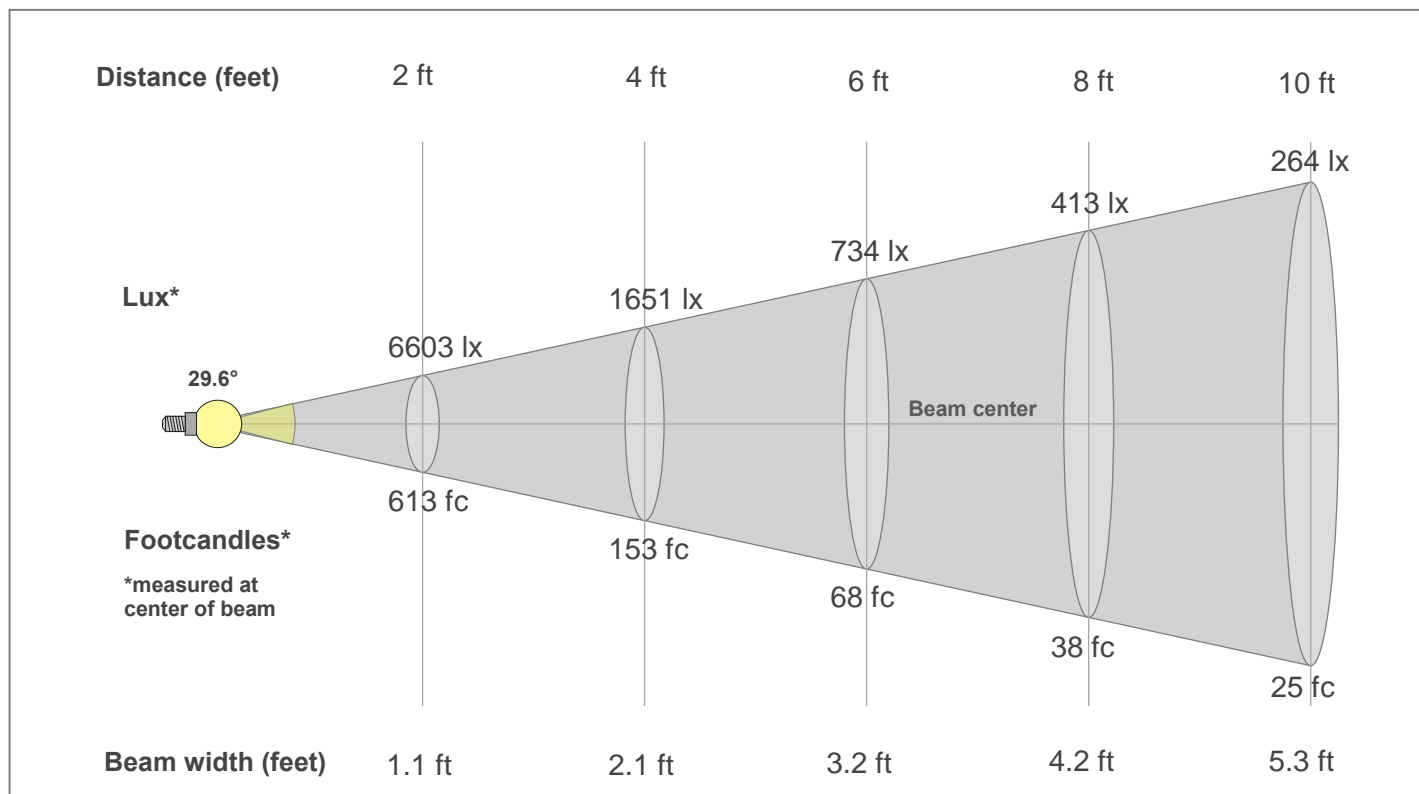
Rg 101.3

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	95	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%	-2%
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
2454lx	613lx	273lx	153lx	98lx	68lx	50lx	38lx	30lx	25lx	20lx	17lx	15lx	13lx	11lx	10lx	8lx	8lx	7lx	6lx
228fc	57fc	25.3fc	14.2fc	9.1fc	6.3fc	4.7fc	3.6fc	2.8fc	2.3fc	1.9fc	1.6fc	1.3fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

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°
2454	2424	2331	2186	2002	1791	1561	1322	1088	874	689	534	414	321	252	199	158	123	93	68
100%	99%	95%	89%	82%	73%	64%	54%	44%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%

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°
2454	2418	2327	2183	2001	1790	1562	1325	1095	885	702	548	429	335	265	211	168	132	100	73
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	22%	17%	14%	11%	9%	7%	5%	4%	3%

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°
2454	2424	2331	2186	2002	1791	1561	1322	1088	874	689	534	414	321	252	199	158	123	93	68
100%	99%	95%	89%	82%	73%	64%	54%	44%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%

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°
2454	2418	2327	2183	2001	1790	1562	1325	1095	885	702	548	429	335	265	211	168	132	100	73
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	22%	17%	14%	11%	9%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.6°	56.9°	77.7°	99.5%	98.6%