

## Photometric / Colorimetric / Electric Report

Fixture Model:

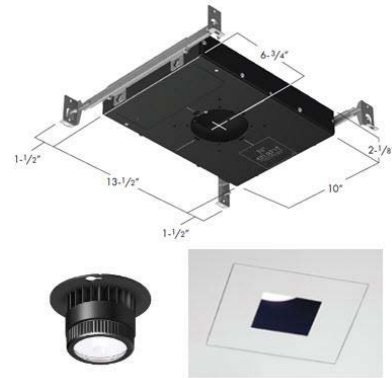
**805-K5-WD-2-40-PR1-8.5-350-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**7/3/2023**



Light efficiency:

**61 Lumen/Watt**

Light quality:

**CRI: 97.0**

Color temperature:

**2840 K**

CIE 1931:

**x: 0.446  
y: 0.403**

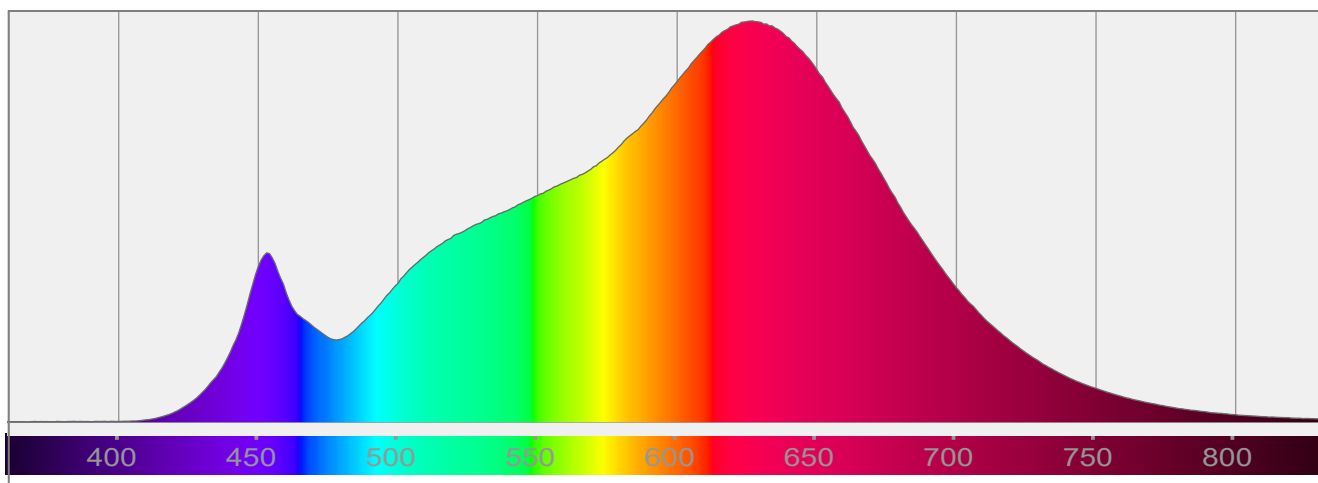
**Output: 890 lm**

**Peak: 1832 cd**

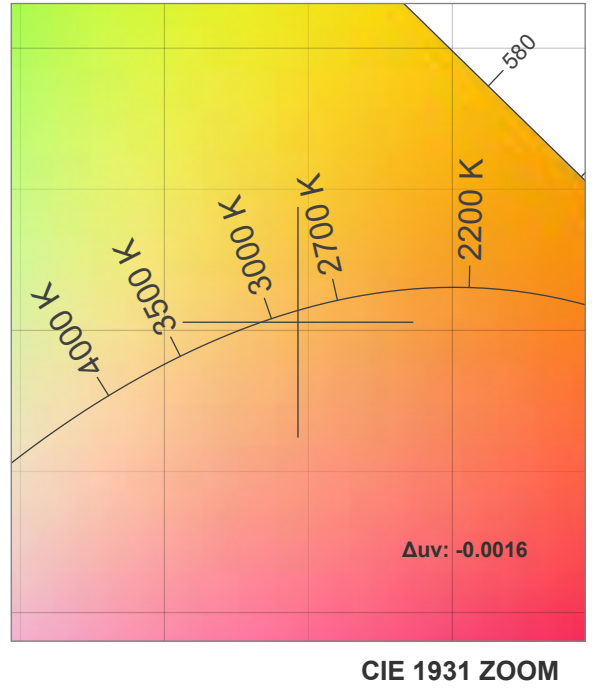
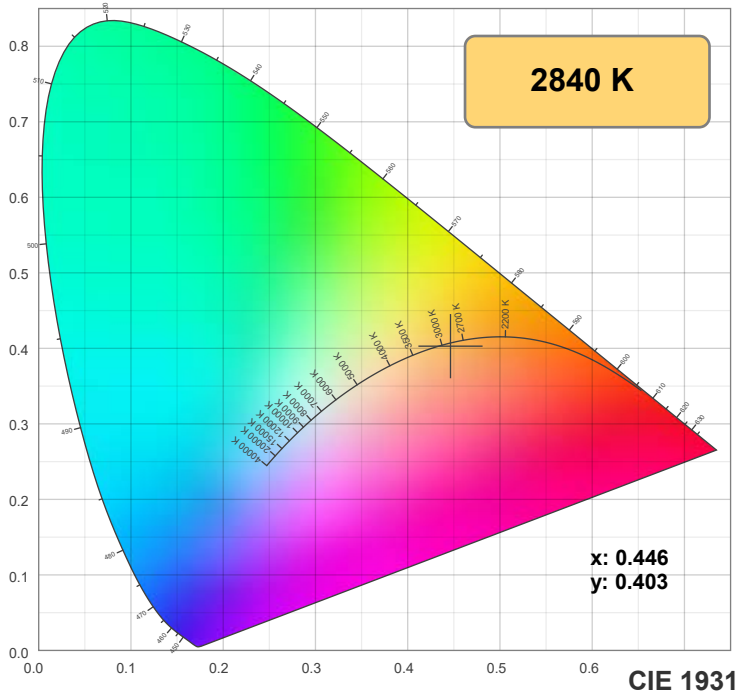
**Power: 14.6 W**

**PF: 0.99**

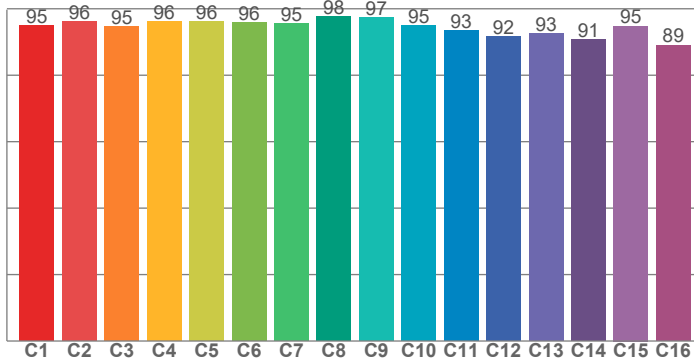
Spectra:



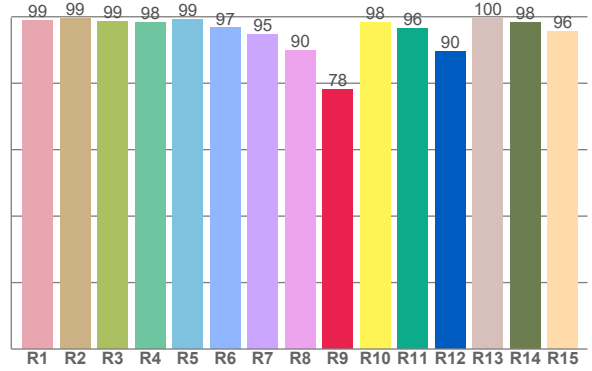
## Color Details



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
98.9	99.4	98.7	98.4	99.1	96.6	94.6	90.0	78.0	98.2	96.4	89.7	99.5	98.3	95.5

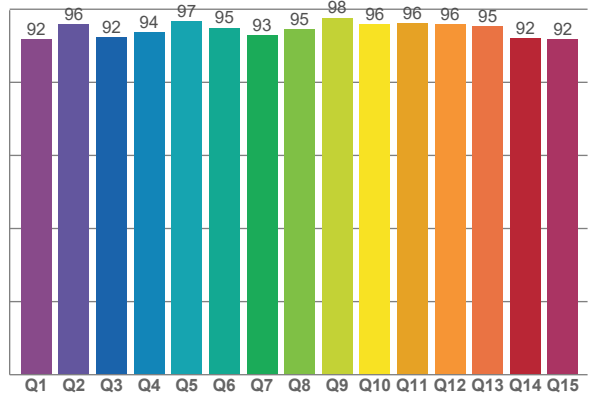
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.3	94.7	96.3	96.1	95.8	95.5	97.6	97.5	94.9	93.3	91.7	92.7	90.7	94.8	89.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	95.9	92.4	93.7	96.7	94.9	93.0	94.6	97.7	95.9	96.1	95.8	95.4	92.1	91.8

CQS: 94.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2840 K	97.0	78.0	94.7	101.1	94.1	0.446	0.403	0.257	0.348	-0.0016

# TM-30 Details

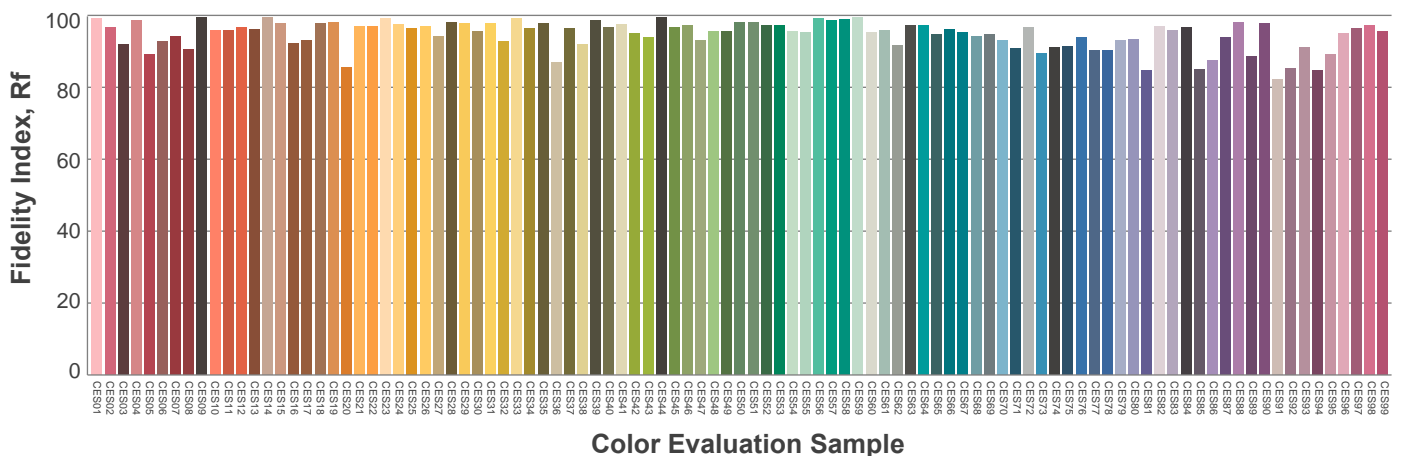
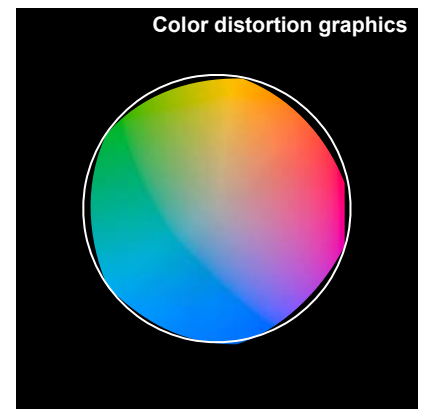
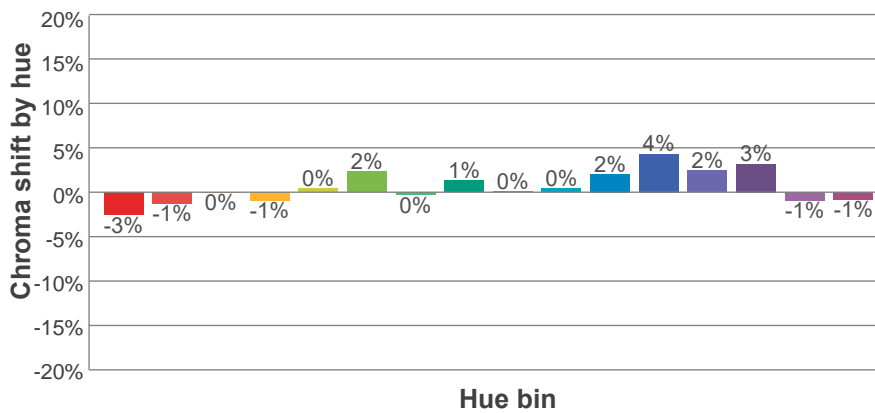
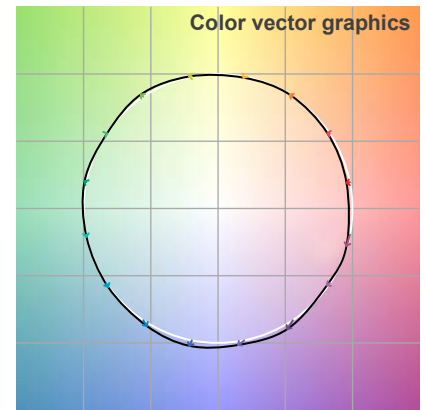
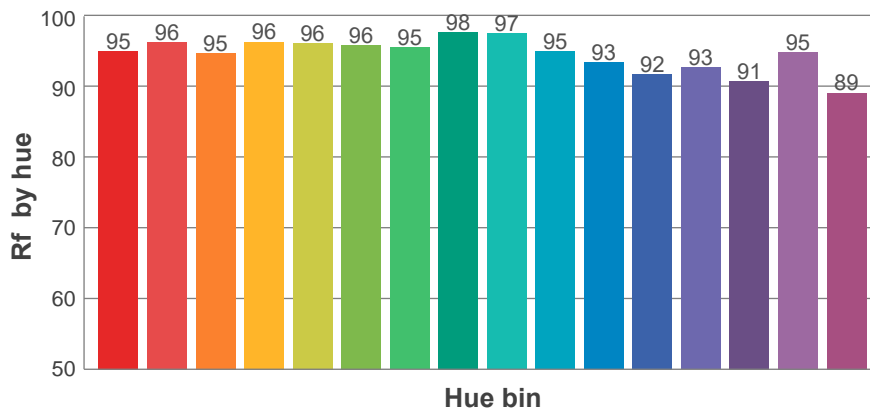
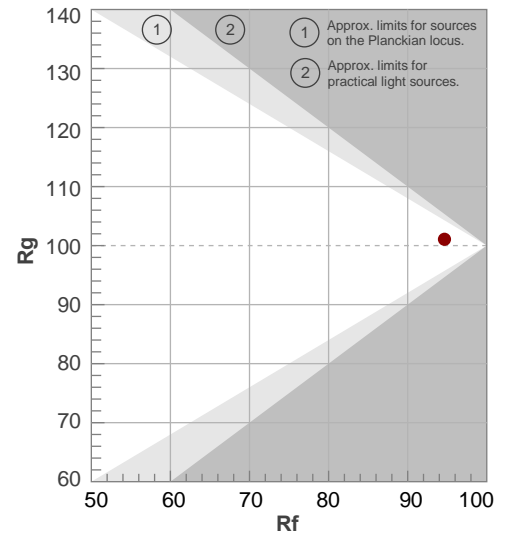
**Rf 94.7**

Fidelity index Rf

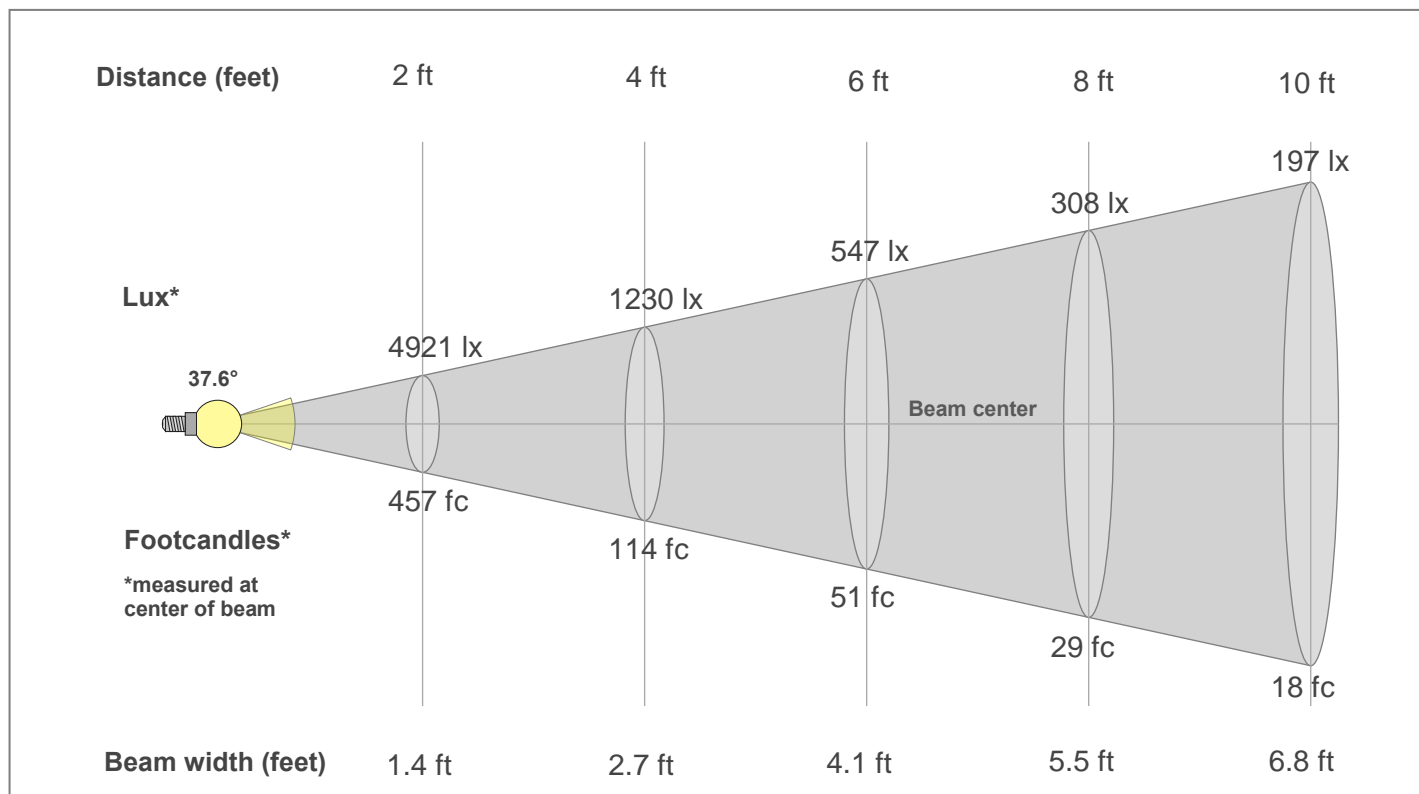
**Rg 101.1**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	3%
4	96	-1%	0%
5	96	0%	2%
6	96	2%	1%
7	95	0%	0%
8	98	1%	-1%
9	97	0%	1%
10	95	0%	3%
11	93	2%	4%
12	92	4%	-1%
13	93	2%	-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
1829lx	457lx	203lx	114lx	73lx	51lx	37lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
169.9fc	42.5fc	18.9fc	10.6fc	6.8fc	4.7fc	3.5fc	2.7fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc

### 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°
1829	1819	1777	1712	1625	1516	1393	1261	1117	972	831	699	580	475	388	312	247	194	150	115
100%	99%	97%	94%	89%	83%	76%	69%	61%	53%	45%	38%	32%	26%	21%	17%	14%	11%	8%	6%

### 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°
1829	1815	1776	1710	1623	1518	1396	1261	1119	973	834	702	586	482	393	318	252	198	153	117
100%	99%	97%	94%	89%	83%	76%	69%	61%	53%	46%	38%	32%	26%	22%	17%	14%	11%	8%	6%

### 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°
1829	1819	1777	1712	1625	1516	1393	1261	1117	972	831	699	580	475	388	312	247	194	150	115
100%	99%	97%	94%	89%	83%	76%	69%	61%	53%	45%	38%	32%	26%	21%	17%	14%	11%	8%	6%

### 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°
1829	1815	1776	1710	1623	1518	1396	1261	1119	973	834	702	586	482	393	318	252	198	153	117
100%	99%	97%	94%	89%	83%	76%	69%	61%	53%	46%	38%	32%	26%	22%	17%	14%	11%	8%	6%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.6°	69.1°	89.3°	99.5%	97.0%