

## Photometric / Colorimetric / Electric Report

Fixture Model:

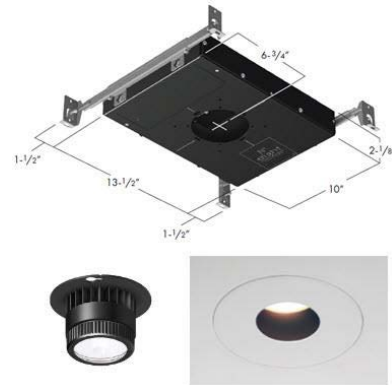
**805-K5-WD-15-PR1-8.5-350-FR-P-1-WH**

Trim Model:

**FR-P-1-WH**

Date:

**6/30/2023**



Light efficiency:

**60 Lumen/Watt**

Light quality:

**CRI: 97.3**

Color temperature:

**3101 K**

CIE 1931:

**x: 0.429  
y: 0.398**

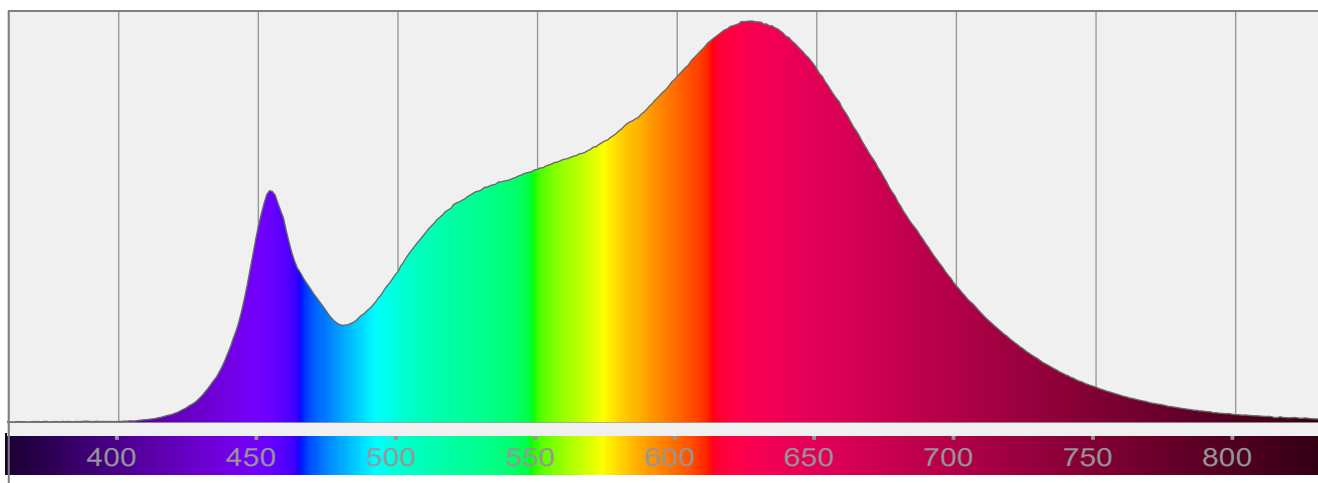
**Output: 886 lm**

**Peak: 3946 cd**

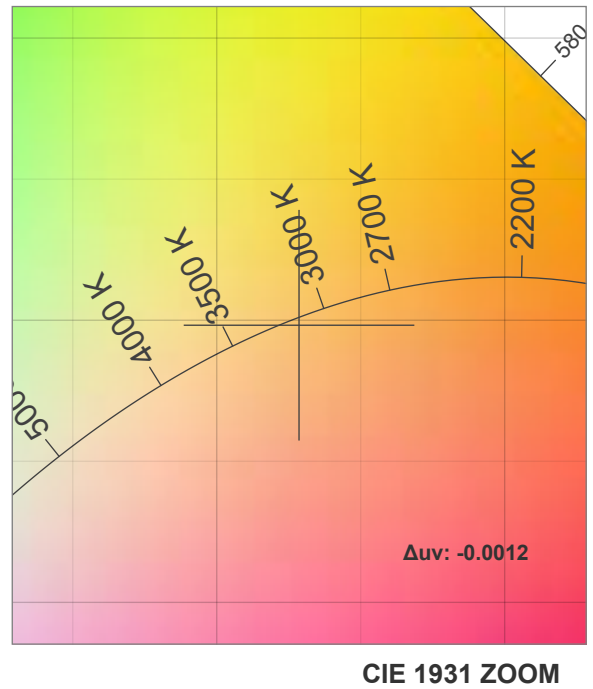
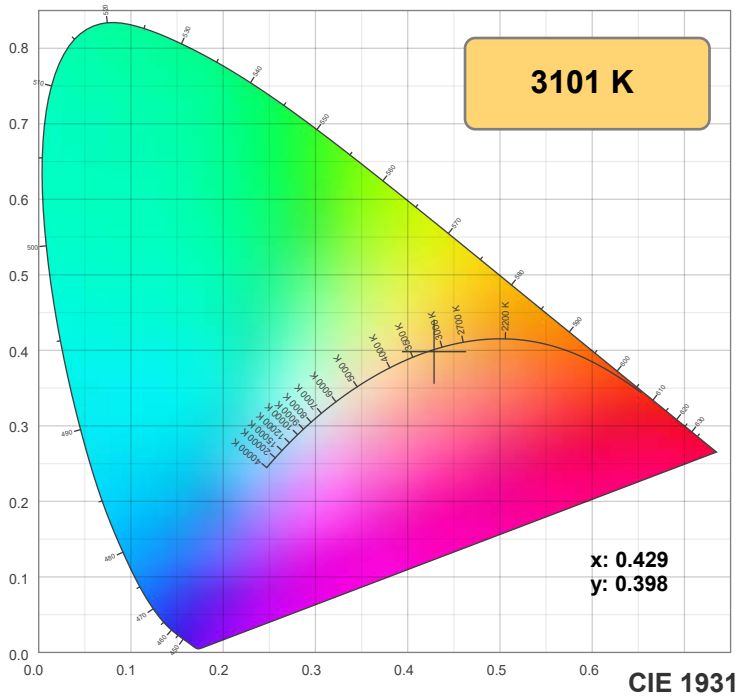
**Power: 14.7 W**

**PF: 0.99**

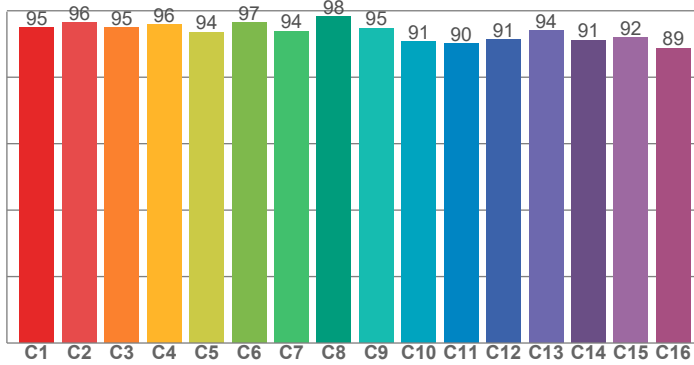
Spectra:



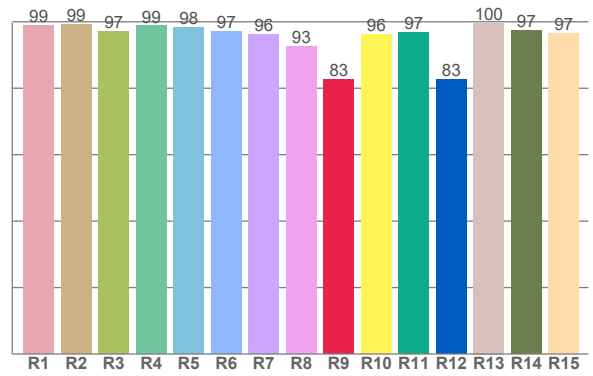
## Color Details



TM-30: 93.7



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	99.1	97.0	98.7	98.4	97.0	96.3	92.6	82.6	96.3	96.8	82.7	99.6	97.3	96.6

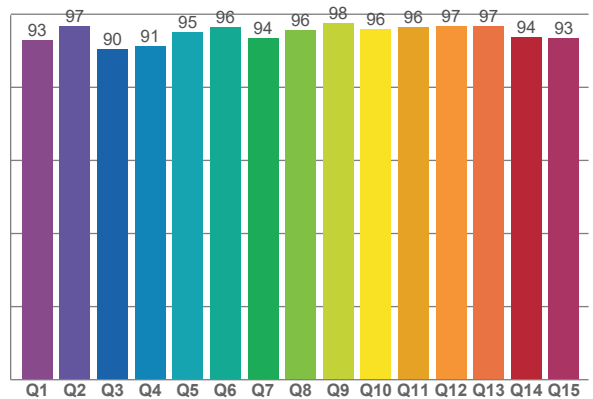
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.5	95.1	95.8	93.6	96.5	93.9	98.3	94.8	90.7	90.1	91.3	94.0	91.2	92.0	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	96.8	90.4	91.2	95.0	96.4	93.5	95.5	97.6	95.8	96.4	96.8	96.8	93.7	93.4

CQS: 94.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3101 K	97.3	82.6	93.7	100.8	94.3	0.429	0.398	0.248	0.345	-0.0012

# TM-30 Details

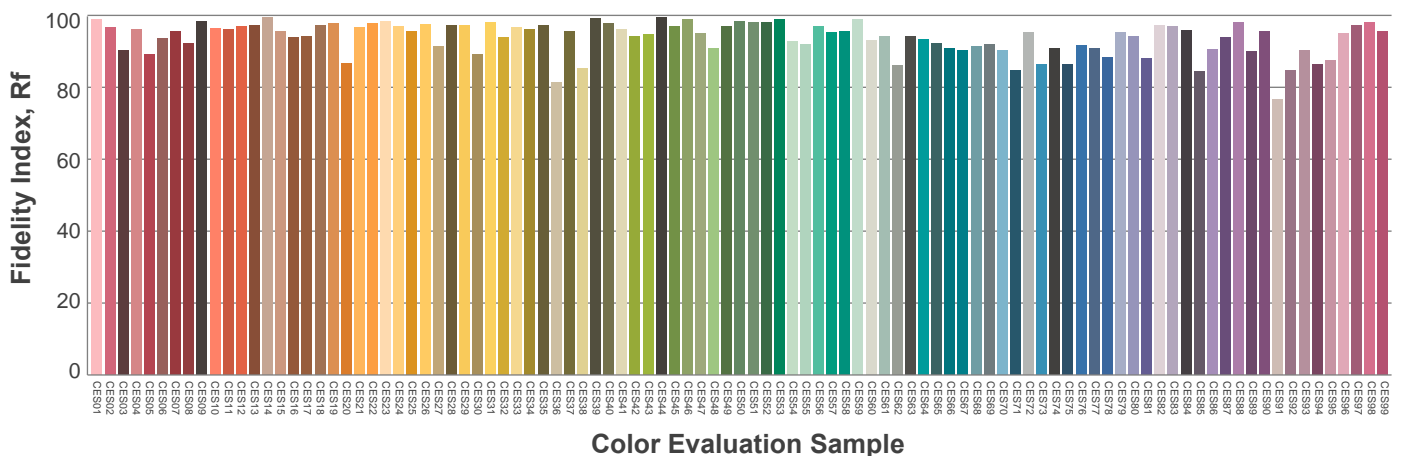
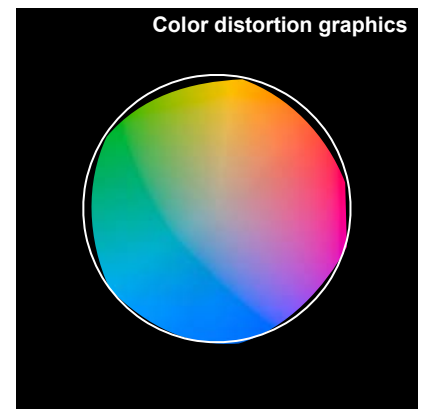
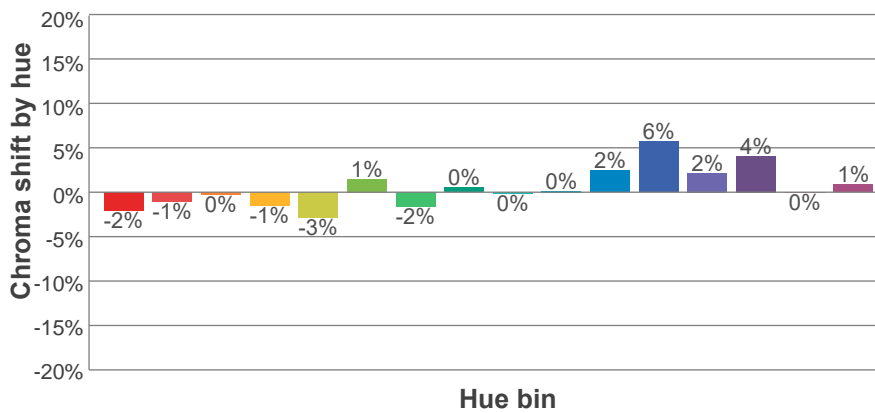
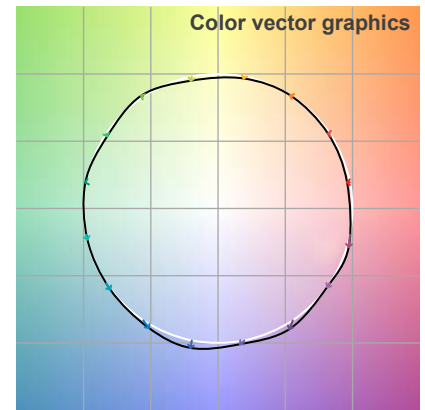
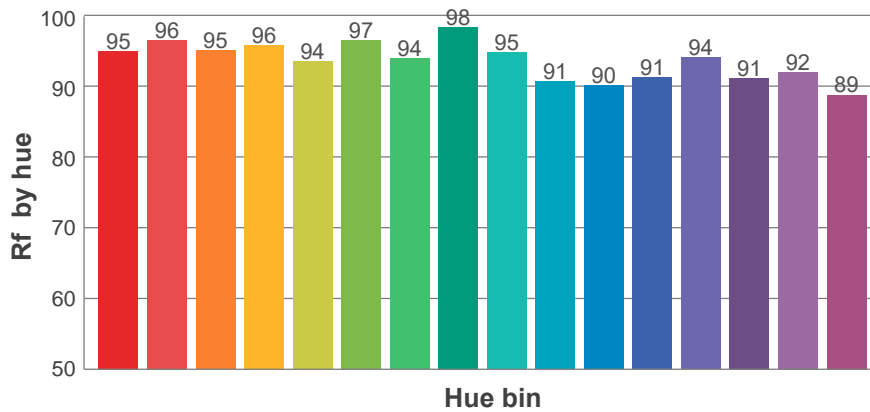
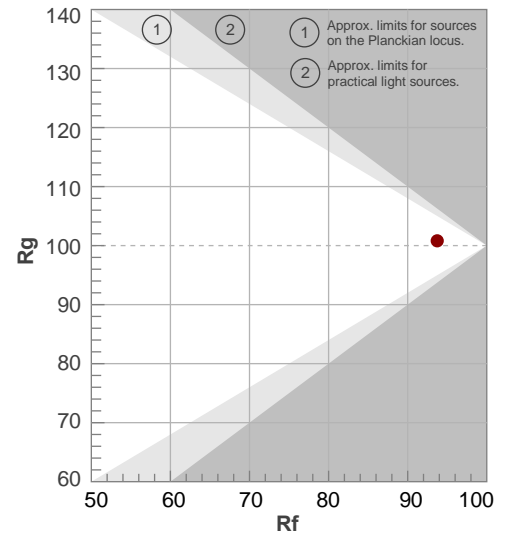
**Rf 93.7**

Fidelity index Rf

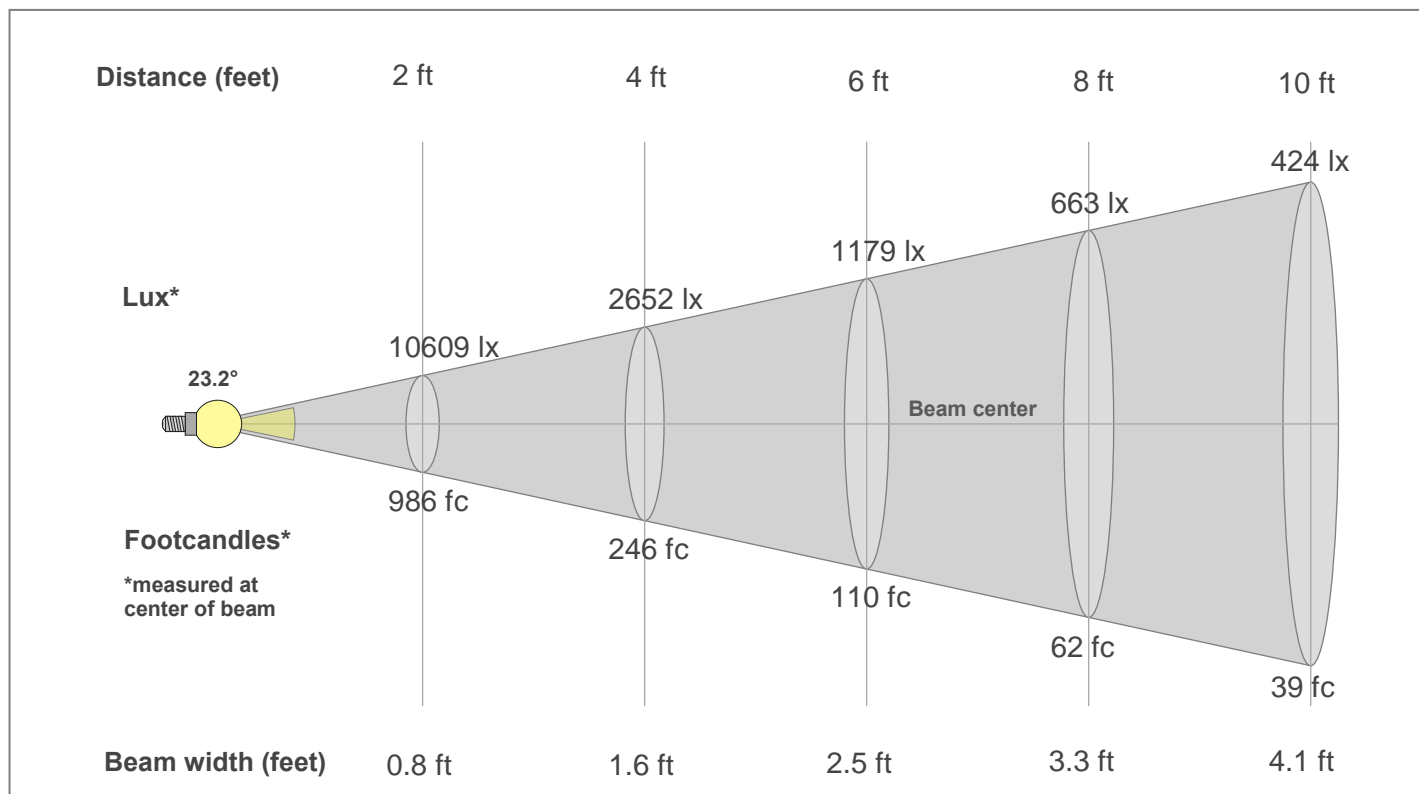
**Rg 100.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	95	0%	2%
4	96	-1%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	0%	4%
10	91	0%	6%
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
3943lx	986lx	438lx	246lx	158lx	110lx	80lx	62lx	49lx	39lx	33lx	27lx	23lx	20lx	18lx	15lx	14lx	12lx	11lx	10lx
366.3fc	91.6fc	40.7fc	22.9fc	14.7fc	10.2fc	7.5fc	5.7fc	4.5fc	3.7fc	3fc	2.5fc	2.2fc	1.9fc	1.6fc	1.4fc	1.3fc	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°
3943	3889	3711	3381	2923	2399	1881	1434	1080	817	623	480	372	290	227	175	131	94	66	46
100%	99%	94%	86%	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°
3943	3877	3675	3332	2876	2360	1866	1439	1104	846	652	504	391	307	242	187	140	101	70	50
100%	98%	93%	85%	73%	60%	47%	36%	28%	21%	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°
3943	3889	3711	3381	2923	2399	1881	1434	1080	817	623	480	372	290	227	175	131	94	66	46
100%	99%	94%	86%	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°
3943	3877	3675	3332	2876	2360	1866	1439	1104	846	652	504	391	307	242	187	140	101	70	50
100%	98%	93%	85%	73%	60%	47%	36%	28%	21%	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°	47.5°	67.9°	99.4%	98.9%