

## Photometric / Colorimetric / Electric Report

Fixture Model:

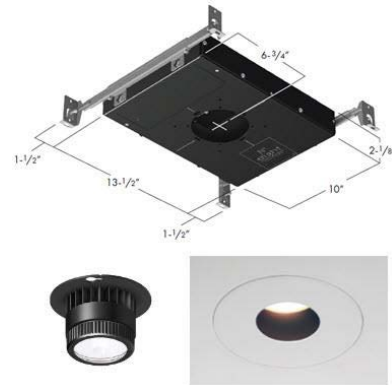
**805-K5-WD-40-PR1-8.5-350-FR-P-1-WH**

Trim Model:

**FR-P-1-WH**

Date:

**6/30/2023**



Light efficiency:

**59 Lumen/Watt**

Light quality:

**CRI: 97.2**

Color temperature:

**3096 K**

CIE 1931:

**x: 0.429  
y: 0.400**

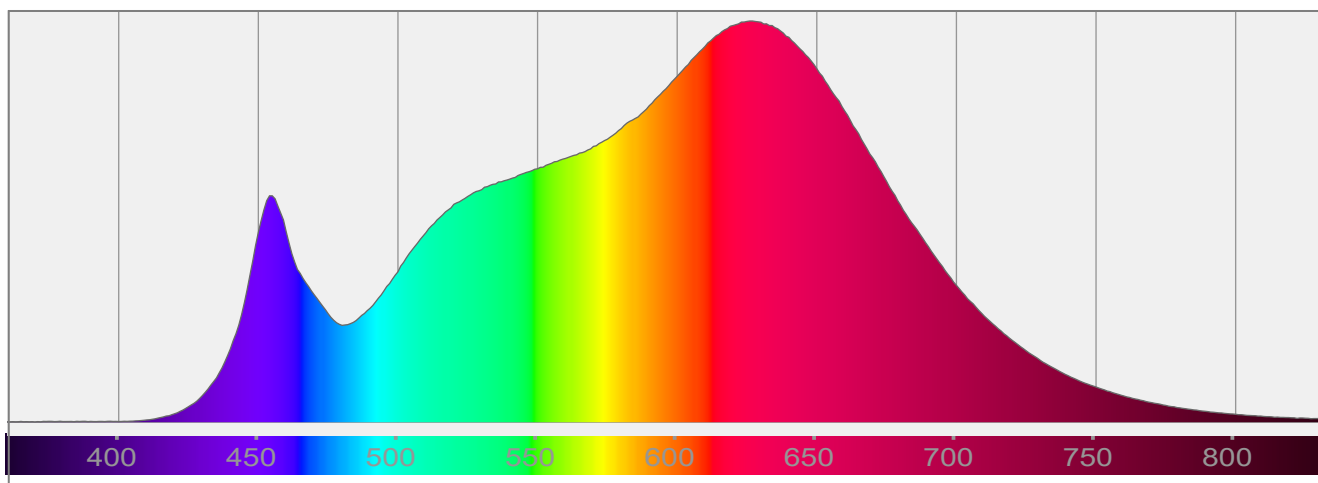
**Output: 848 lm**

**Peak: 1787 cd**

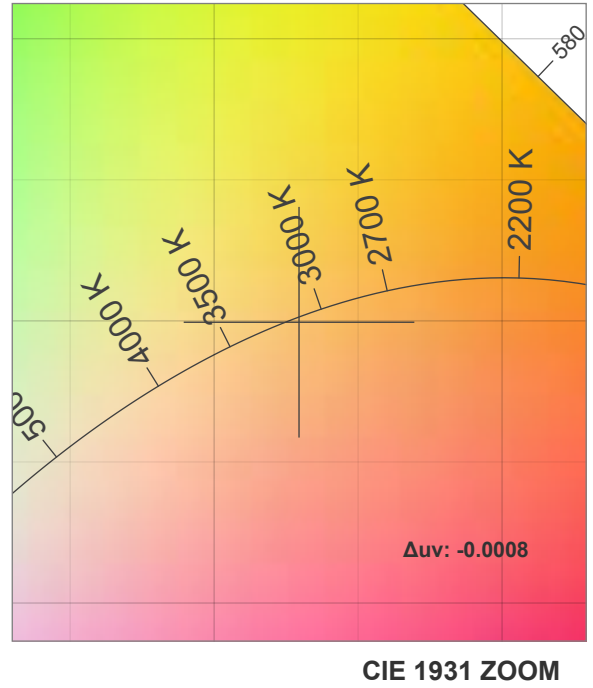
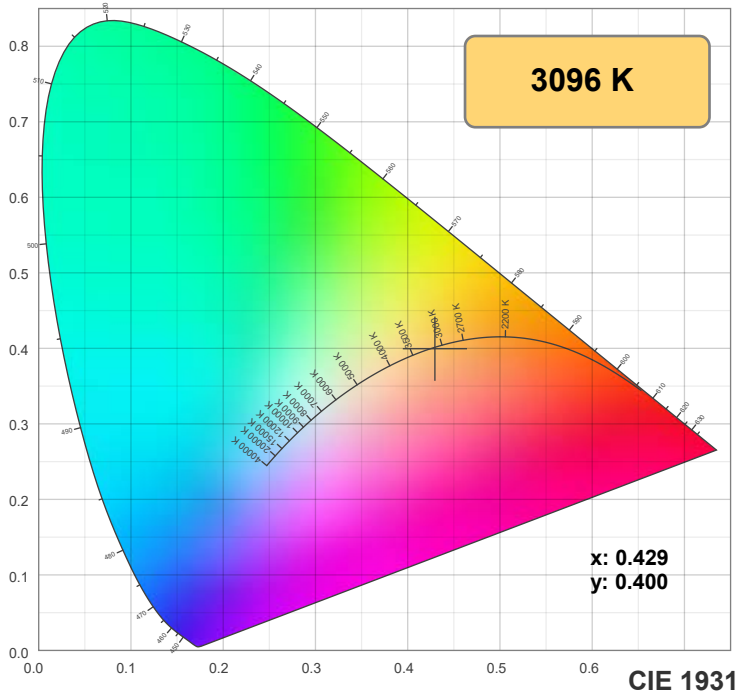
**Power: 14.4 W**

**PF: 0.99**

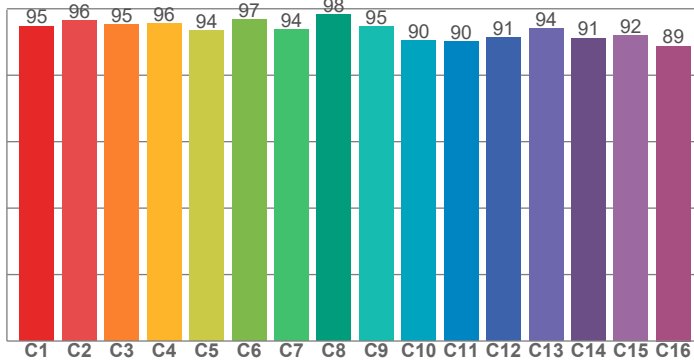
Spectra:



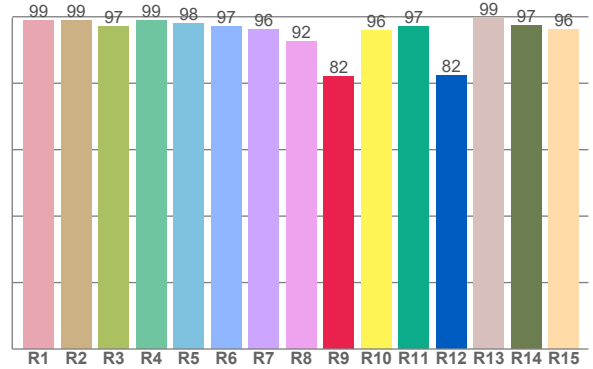
## Color Details



**TM-30: 93.7**



**CRI: 97.2 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.9	99.0	97.0	98.8	98.1	97.1	96.3	92.4	82.0	95.9	97.2	82.4	99.4	97.3	96.3

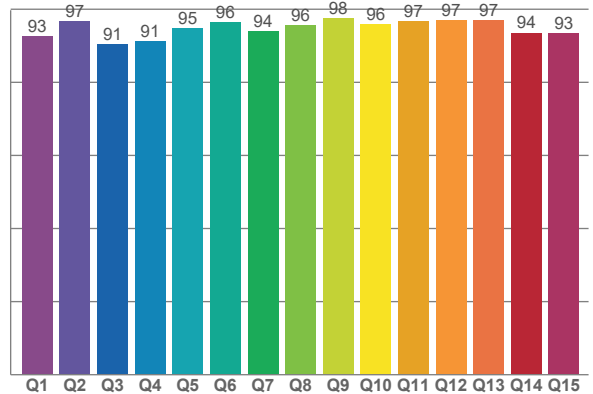
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.8	96.5	95.2	95.6	93.6	96.7	93.8	98.4	94.5	90.4	90.0	91.3	94.0	91.2	91.9	88.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.7	96.7	90.5	91.2	94.9	96.5	93.9	95.7	97.5	95.9	96.6	97.0	97.0	93.6	93.3

**CQS: 94.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3096 K	97.2	82.0	93.7	100.5	94.3	0.429	0.400	0.248	0.346	-0.0008

# TM-30 Details

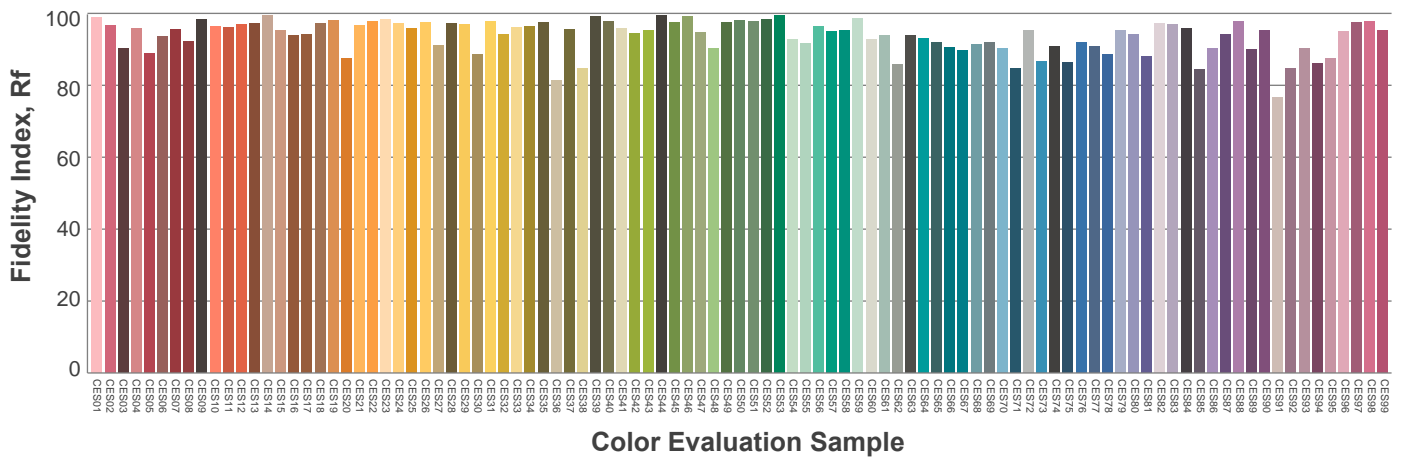
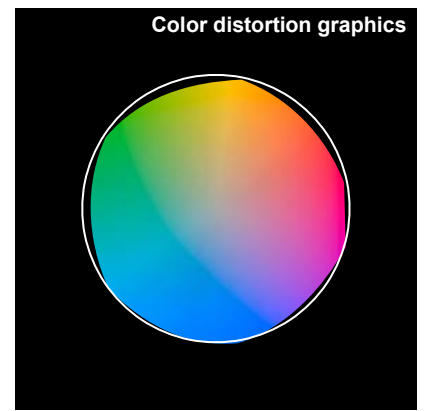
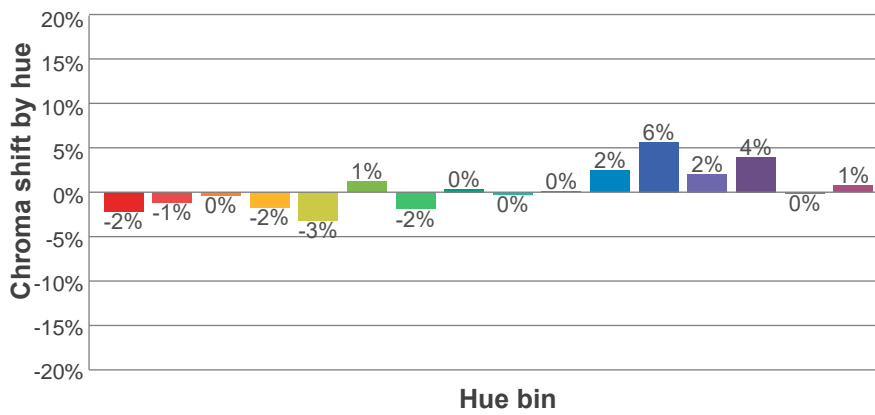
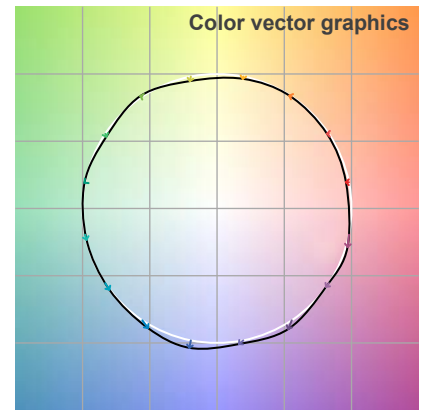
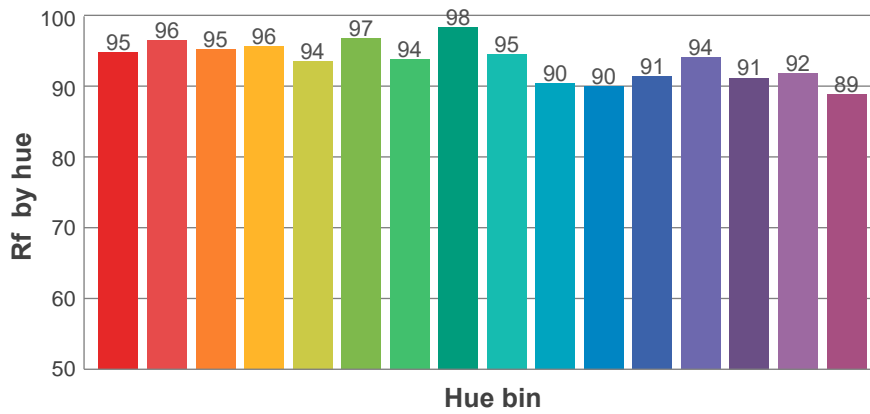
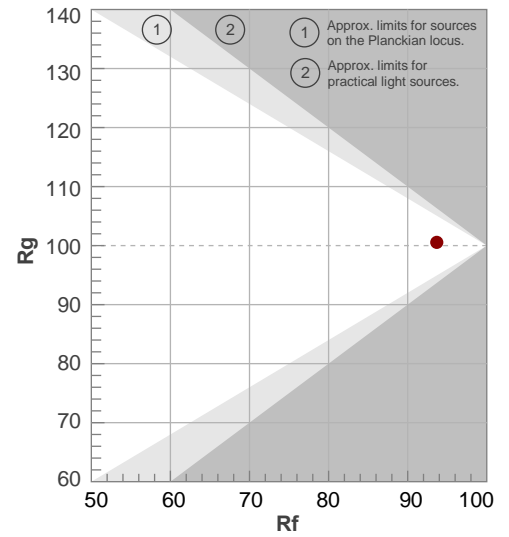
**Rf 93.7**

Fidelity index Rf

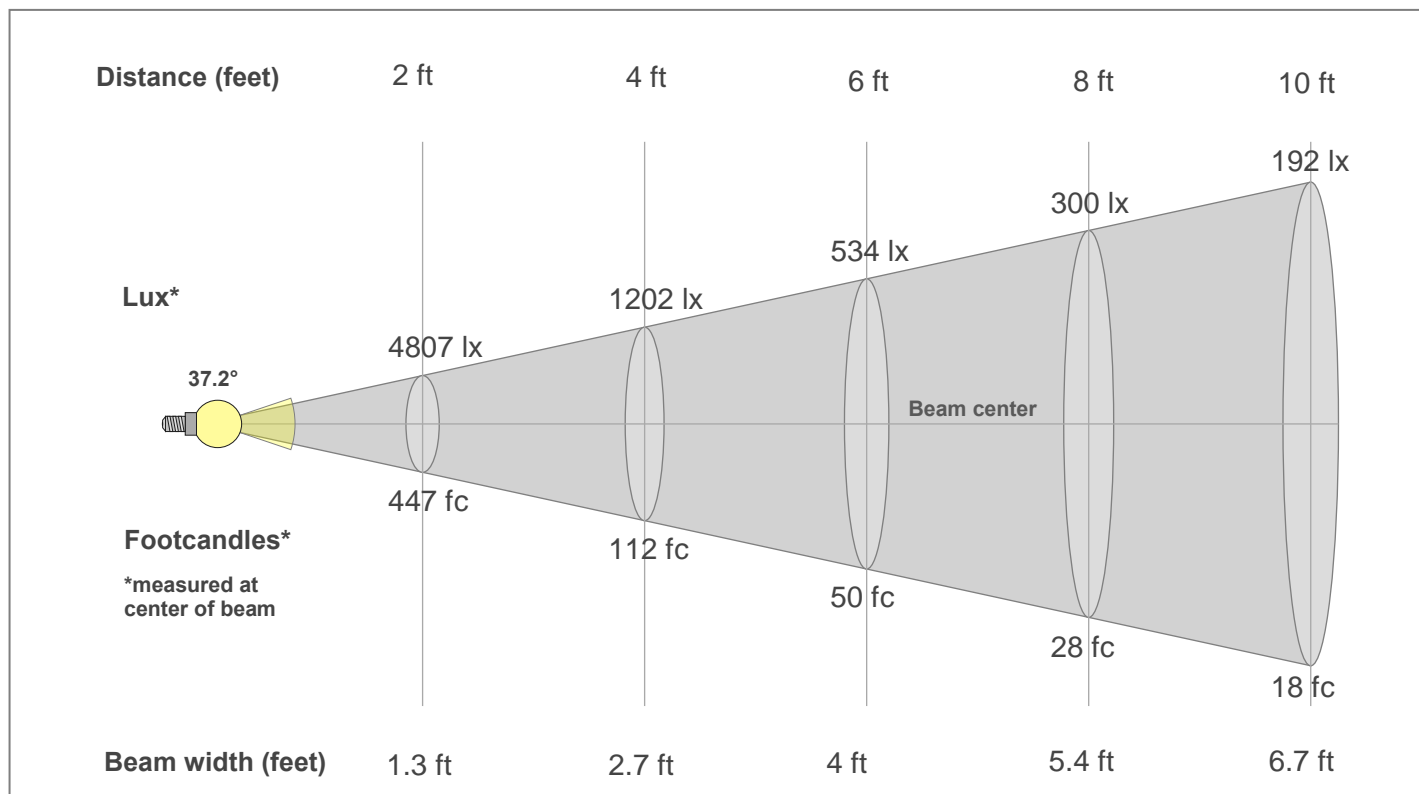
**Rg 100.5**

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	-2%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	0%	4%
10	90	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
1786lx	447lx	198lx	112lx	71lx	50lx	36lx	28lx	22lx	18lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx
166fc	41.5fc	18.4fc	10.4fc	6.6fc	4.6fc	3.4fc	2.6fc	2fc	1.7fc	1.4fc	1.2fc	1fc	0.8fc	0.7fc	0.6fc	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°
1786	1775	1735	1669	1581	1473	1353	1219	1078	934	798	669	553	451	365	290	228	176	134	101
100%	99%	97%	93%	88%	82%	76%	68%	60%	52%	45%	37%	31%	25%	20%	16%	13%	10%	7%	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°
1786	1774	1732	1668	1580	1473	1355	1222	1082	938	803	675	560	458	372	297	233	180	137	104
100%	99%	97%	93%	88%	82%	76%	68%	61%	53%	45%	38%	31%	26%	21%	17%	13%	10%	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°
1786	1775	1735	1669	1581	1473	1353	1219	1078	934	798	669	553	451	365	290	228	176	134	101
100%	99%	97%	93%	88%	82%	76%	68%	60%	52%	45%	37%	31%	25%	20%	16%	13%	10%	7%	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°
1786	1774	1732	1668	1580	1473	1355	1222	1082	938	803	675	560	458	372	297	233	180	137	104
100%	99%	97%	93%	88%	82%	76%	68%	61%	53%	45%	38%	31%	26%	21%	17%	13%	10%	8%	6%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.2°	68°	87.6°	99.4%	97.1%