

## Photometric / Colorimetric / Electric Report

Fixture Model:

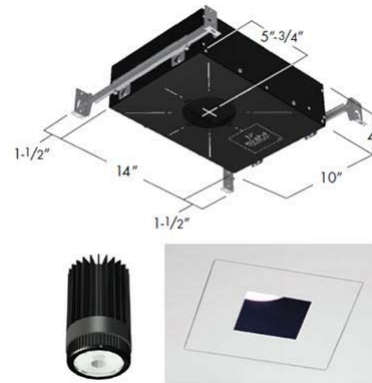
**804S-K2S-WD-4-40-PR1-8-350-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**8/6/2024**



Light efficiency:

**60 Lumen/Watt**

Light quality:

**CRI: 96.6**

Color temperature:

**3000 K**

CIE 1931:

**x: 0.436  
y: 0.401**

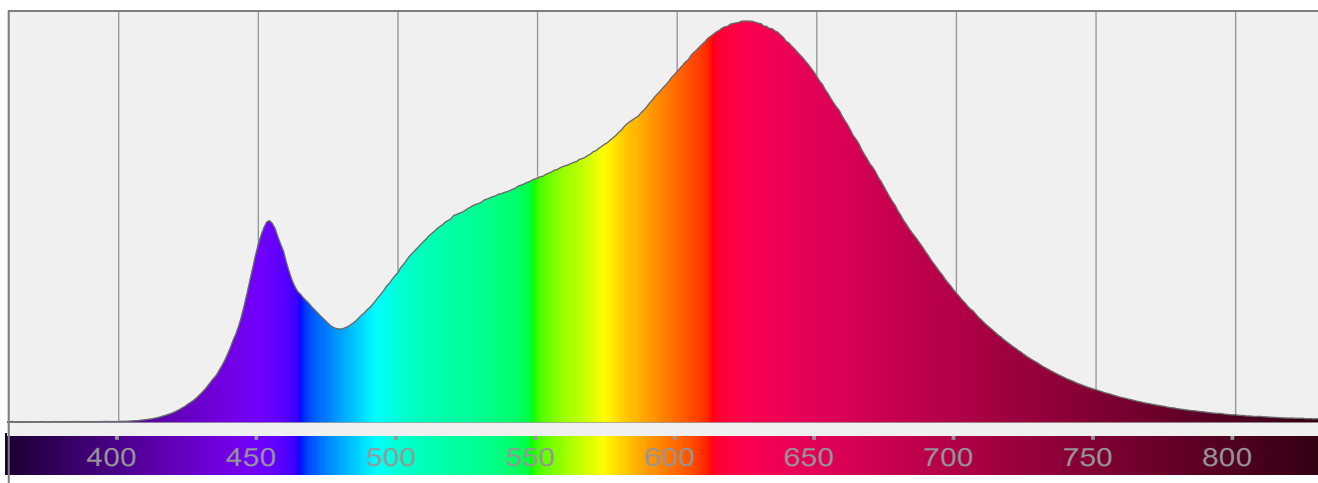
**Output: 878 lm**

**Peak: 1943 cd**

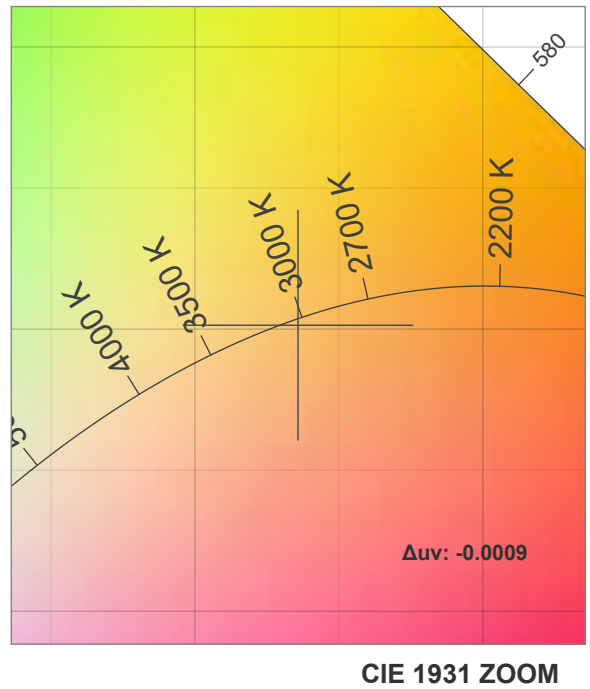
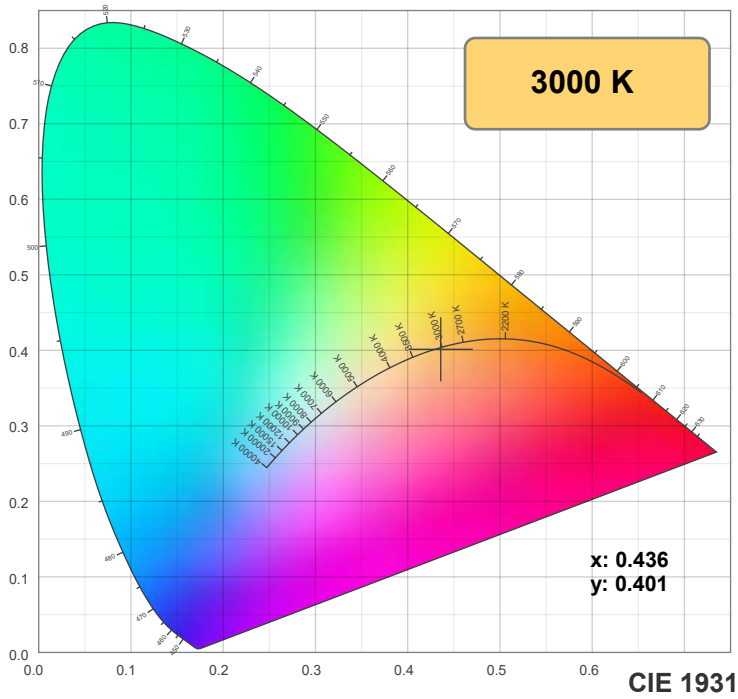
**Power: 14.6 W**

**PF: 0.99**

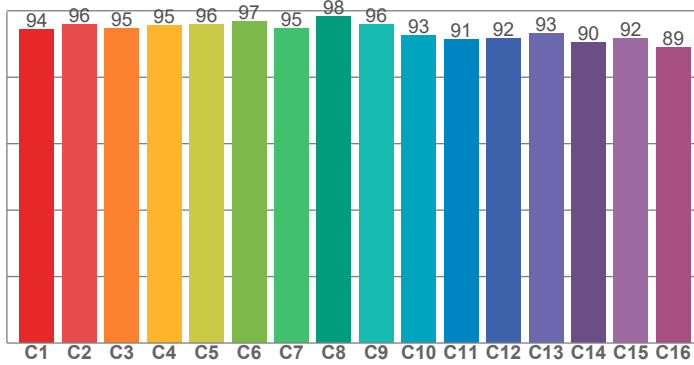
Spectra:



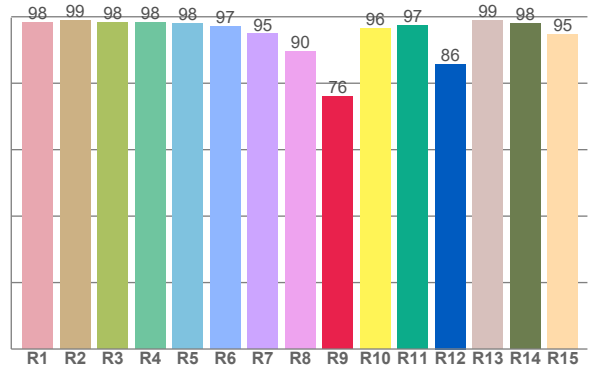
## Color Details



**TM-30: 94.0**



**CRI: 96.6 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.2	99.0	98.2	98.3	97.9	97.1	94.8	89.5	76.1	96.5	97.4	85.8	98.9	98.1	94.7

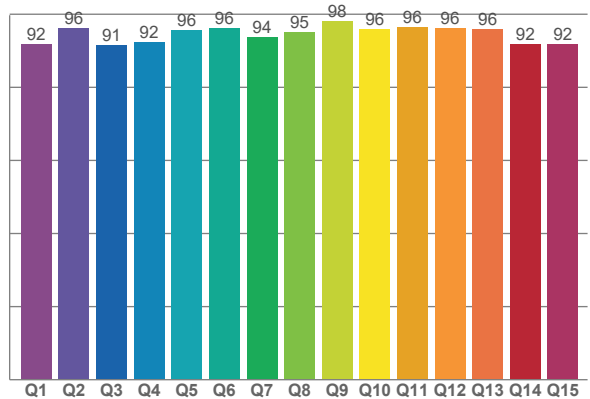
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	95.9	94.7	95.5	95.7	96.6	94.7	98.3	95.8	92.5	91.4	91.5	93.1	90.5	91.7	88.9

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	91.5	92.3	95.5	96.1	93.8	95.2	98.1	96.0	96.3	96.2	95.9	91.8	91.7

**CQS: 94.0**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3000 K	96.6	76.1	94.0	100.4	94.0	0.436	0.401	0.251	0.347	-0.0009

# TM-30 Details

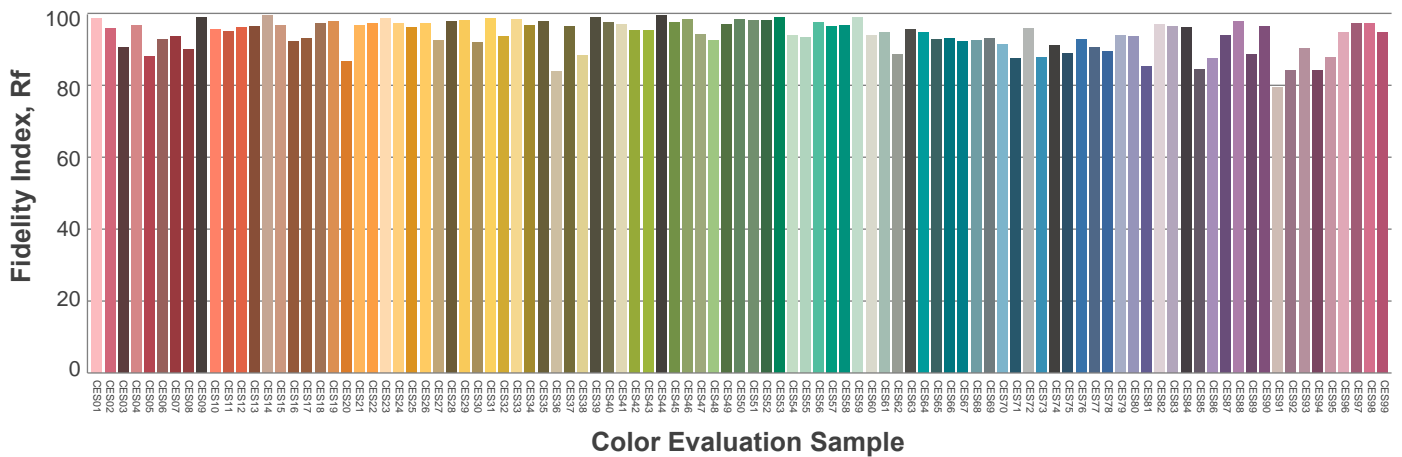
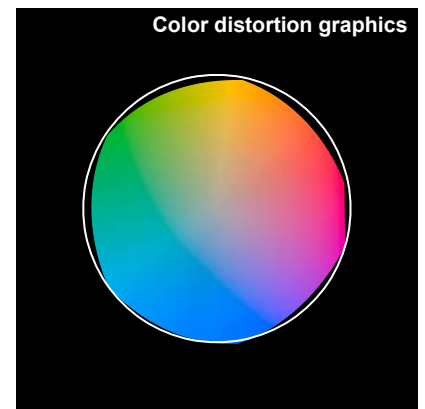
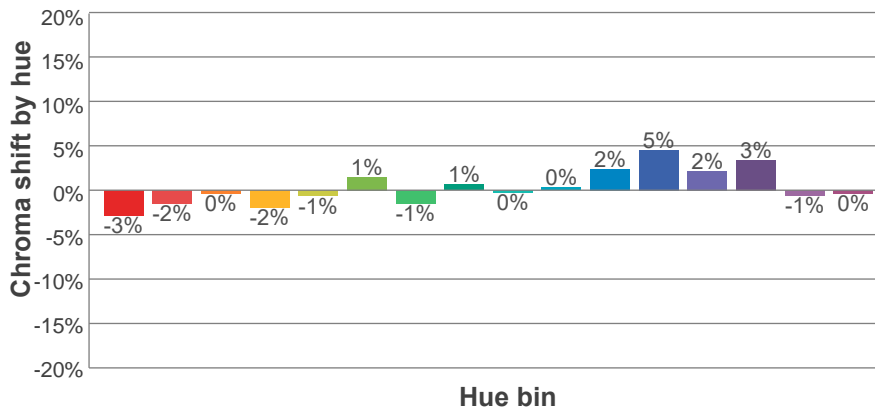
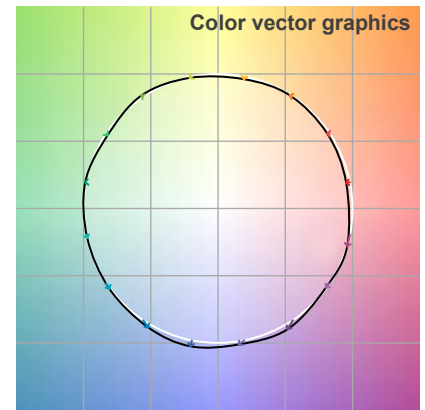
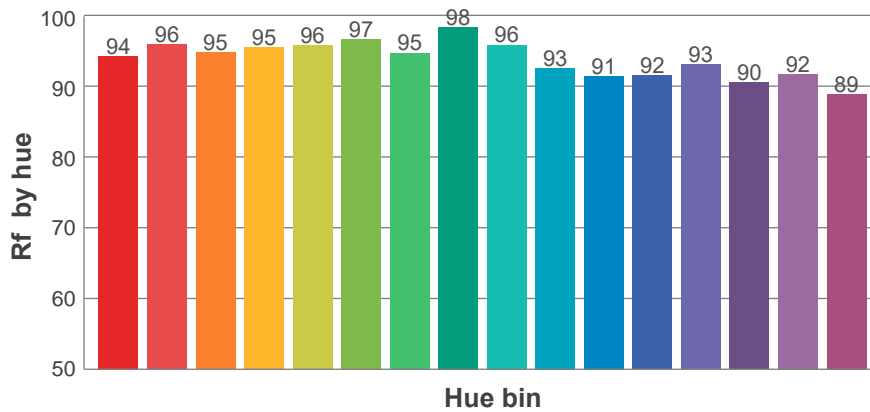
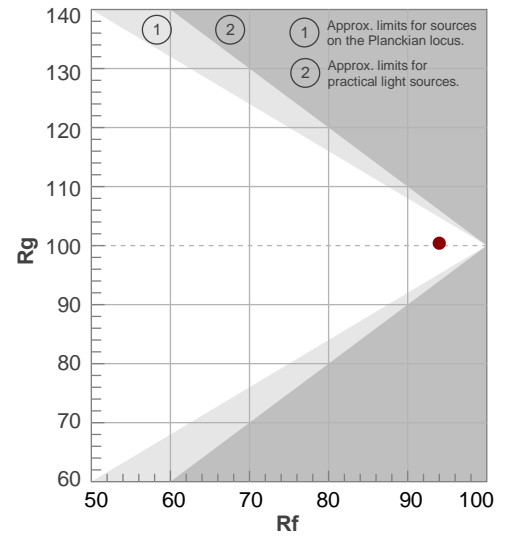
**Rf 94.0**

Fidelity index Rf

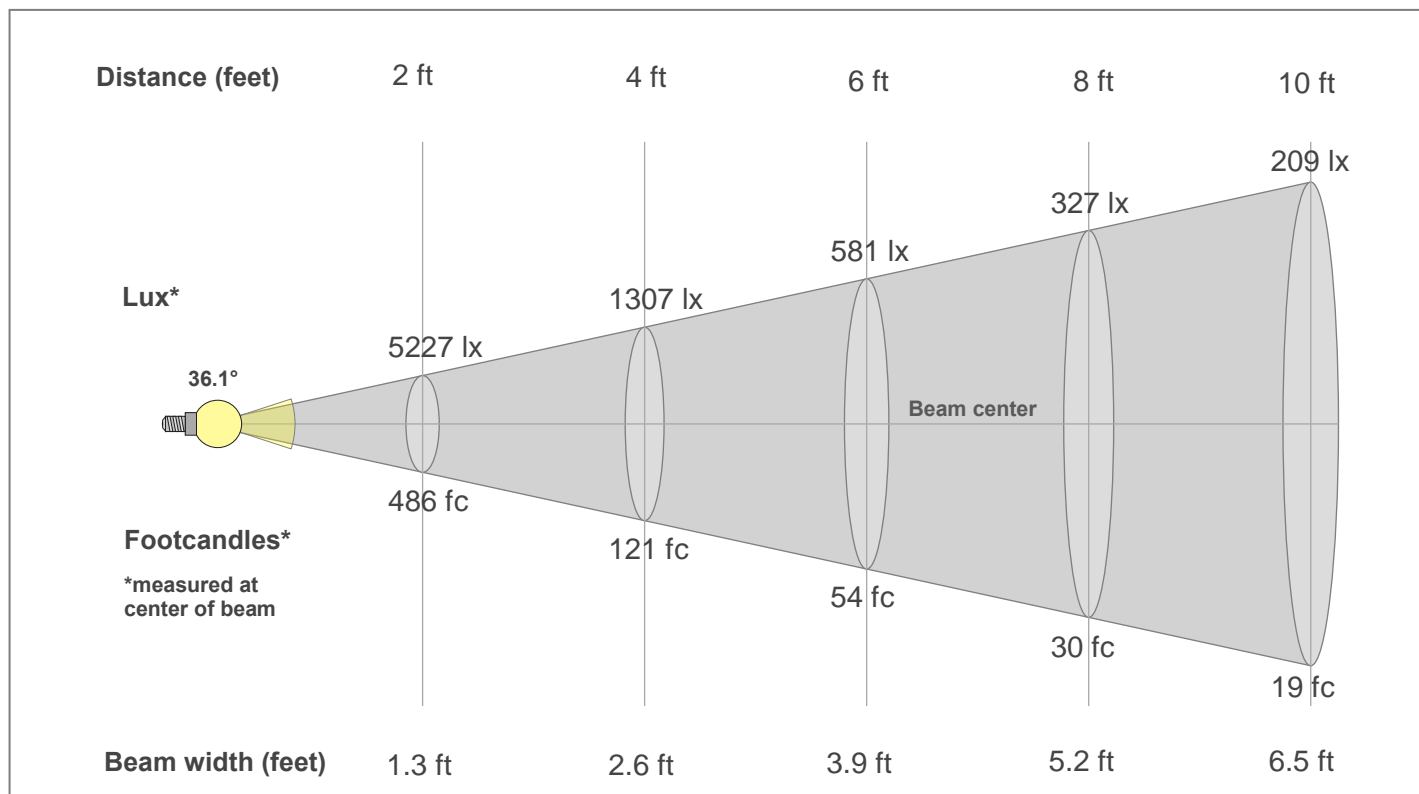
**Rg 100.4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	95	-2%	0%
5	96	-1%	2%
6	97	1%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	3%
10	93	0%	5%
11	91	2%	6%
12	92	5%	0%
13	93	2%	-5%
14	90	3%	-7%
15	92	-1%	-4%
16	89	0%	-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
1942lx	486lx	216lx	121lx	78lx	54lx	40lx	30lx	24lx	19lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
180.5fc	45.1fc	20.1fc	11.3fc	7.2fc	5fc	3.7fc	2.8fc	2.2fc	1.8fc	1.5fc	1.3fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc	0.5fc	0.5fc

### 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°
1942	1930	1884	1806	1702	1579	1442	1293	1134	977	827	687	563	456	368	294	230	177	136	103
100%	99%	97%	93%	88%	81%	74%	67%	58%	50%	43%	35%	29%	23%	19%	15%	12%	9%	7%	5%

### 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°
1942	1928	1882	1803	1700	1577	1438	1287	1128	972	822	685	561	455	368	294	230	179	138	104
100%	99%	97%	93%	88%	81%	74%	66%	58%	50%	42%	35%	29%	23%	19%	15%	12%	9%	7%	5%

### 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°
1942	1930	1884	1806	1702	1579	1442	1293	1134	977	827	687	563	456	368	294	230	177	136	103
100%	99%	97%	93%	88%	81%	74%	67%	58%	50%	43%	35%	29%	23%	19%	15%	12%	9%	7%	5%

### 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°
1942	1928	1882	1803	1700	1577	1438	1287	1128	972	822	685	561	455	368	294	230	179	138	104
100%	99%	97%	93%	88%	81%	74%	66%	58%	50%	42%	35%	29%	23%	19%	15%	12%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
36.1°	66.7°	86.6°	99.5%	97.4%