

## Photometric / Colorimetric / Electric Report

Fixture Model:

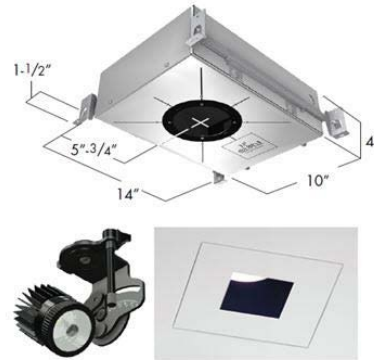
**804S-J2S-TW-40-3500K-EL3-8-700-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**7/30/2020**



Light efficiency:

**57 Lumen/Watt**

Light quality:

**CRI: 95.1**

Color temperature:

**3544 K**

CIE 1931:

**x: 0.400  
y: 0.381**

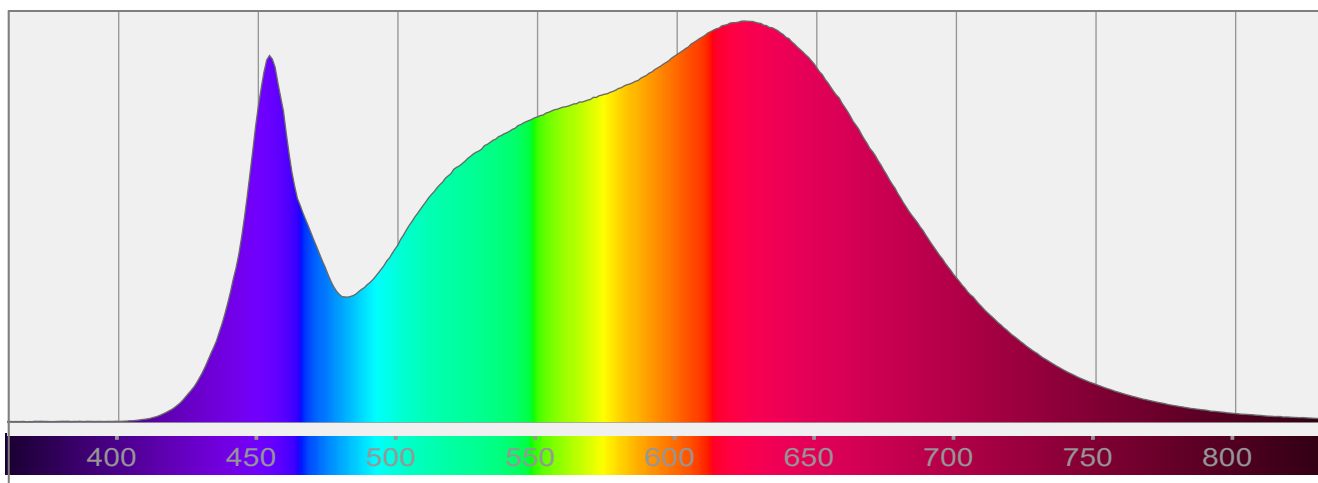
**Output: 826 lm**

**Peak: 1850 cd**

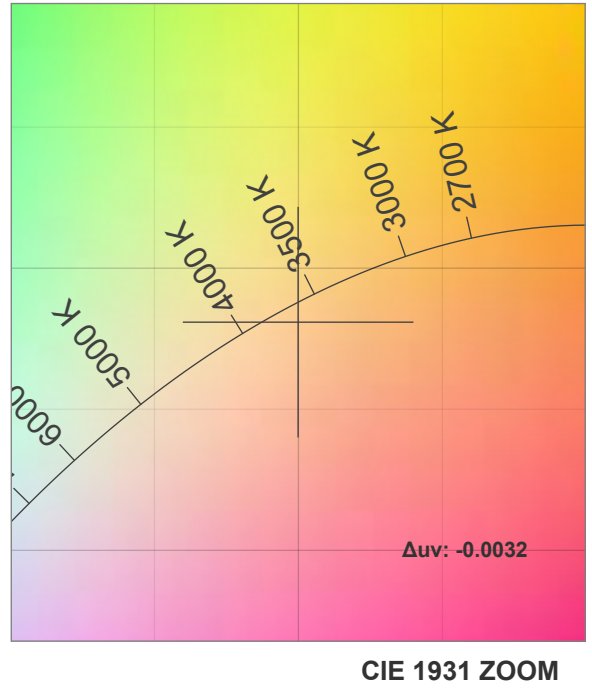
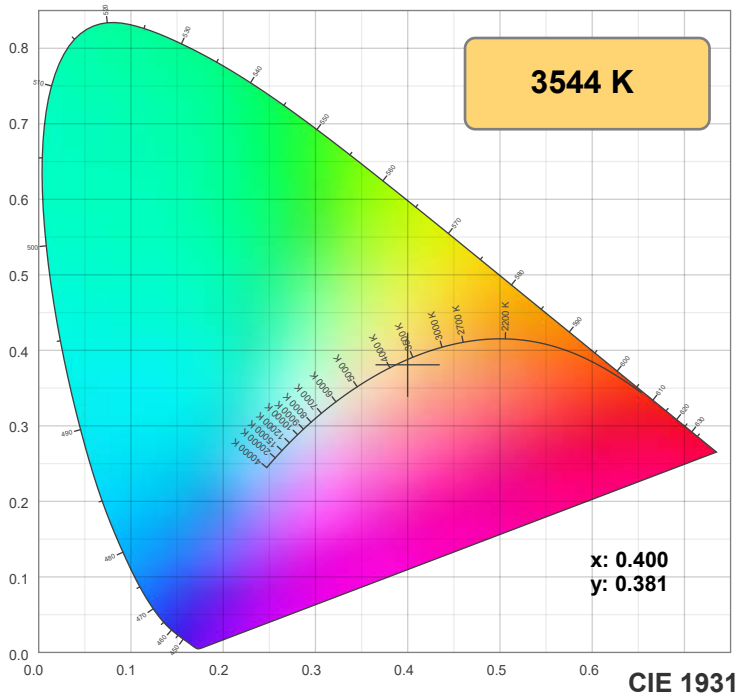
**Power: 14.5 W**

**PF: 0.99**

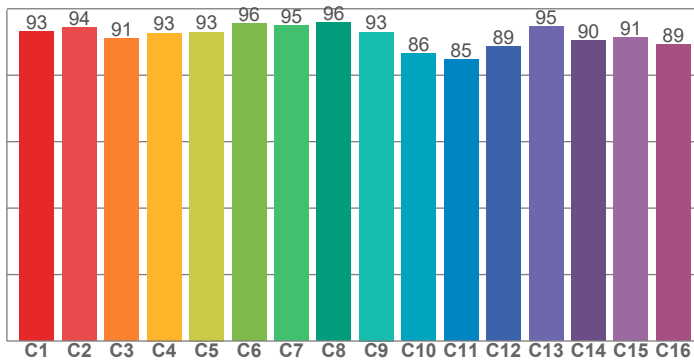
Spectra:



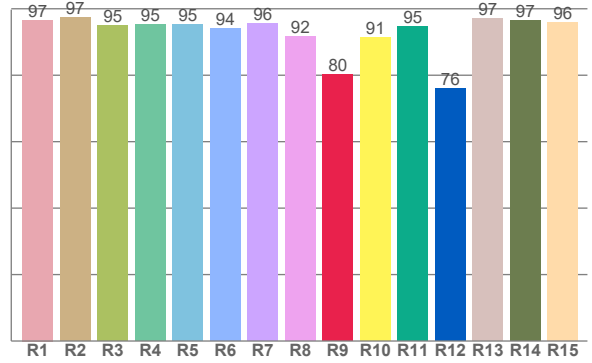
## Color Details



**TM-30: 91.6**



**CRI: 95.1 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	97.3	95.1	95.3	95.3	94.1	95.7	91.8	80.2	91.3	94.6	75.9	97.2	96.5	95.9

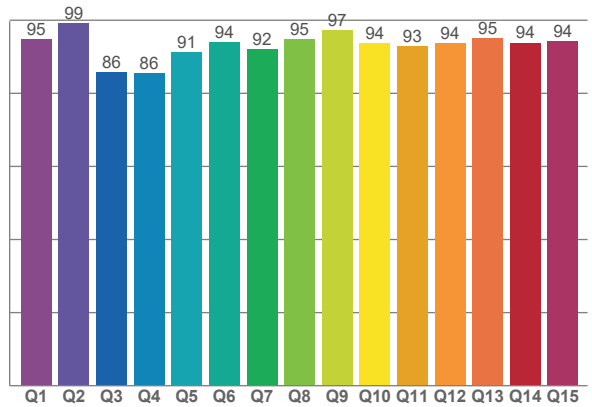
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.2	94.4	90.9	92.7	93.0	95.5	94.9	95.9	93.0	86.5	84.6	88.7	94.6	90.4	91.3	89.3

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.9	99.3	85.7	85.6	91.2	93.9	92.1	94.8	97.2	93.6	92.9	93.7	95.0	93.8	94.2

**CQS: 92.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3544 K	95.1	80.2	91.6	100.6	92.3	0.400	0.381	0.236	0.338	-0.0032

# TM-30 Details

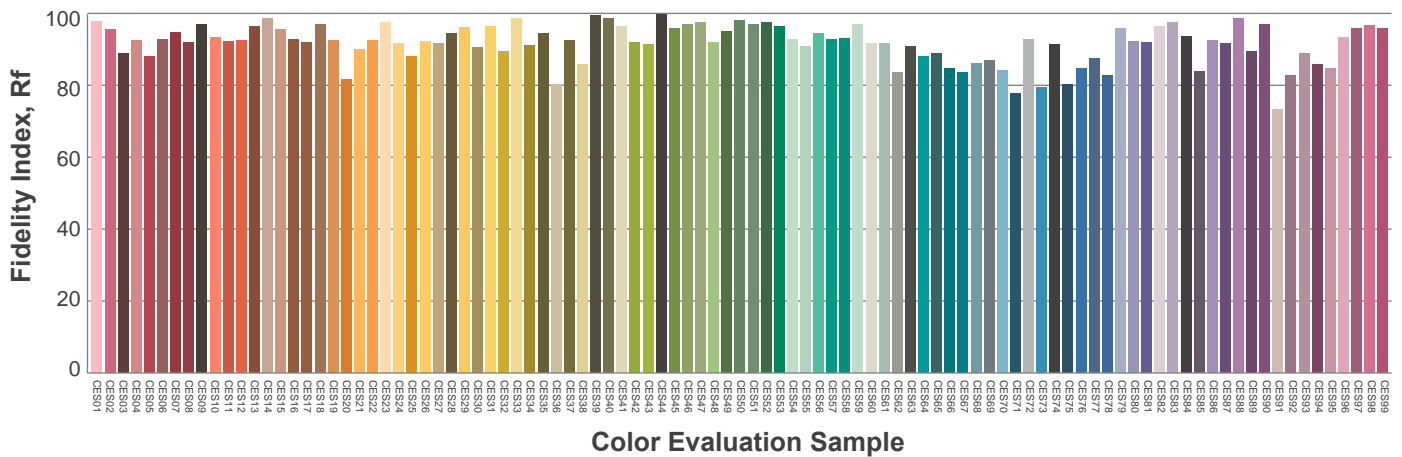
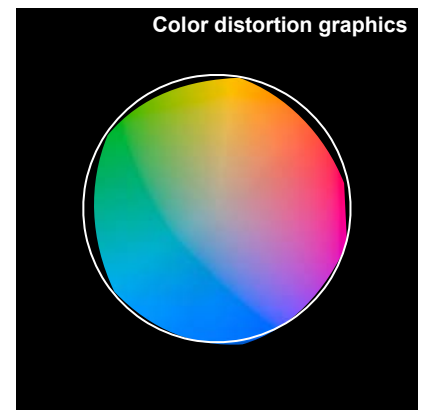
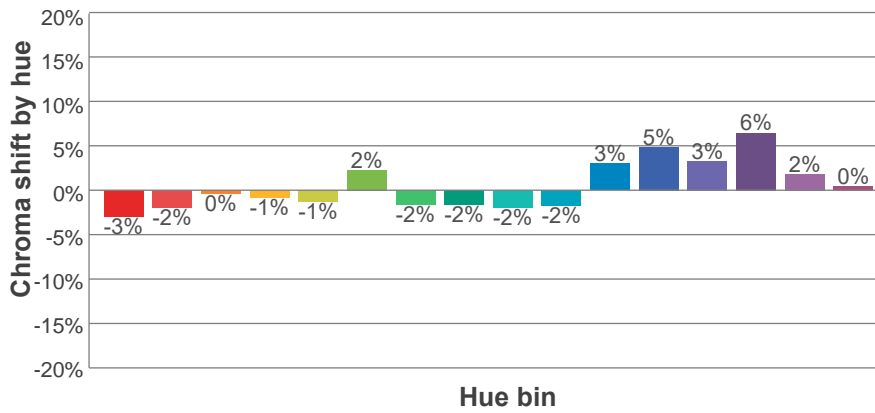
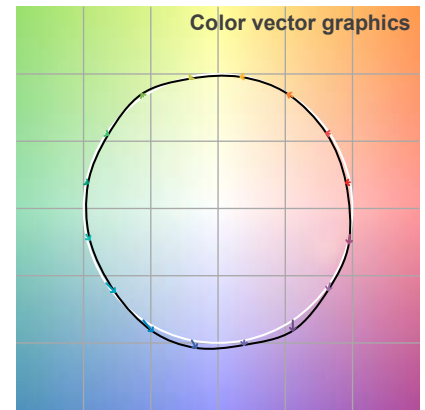
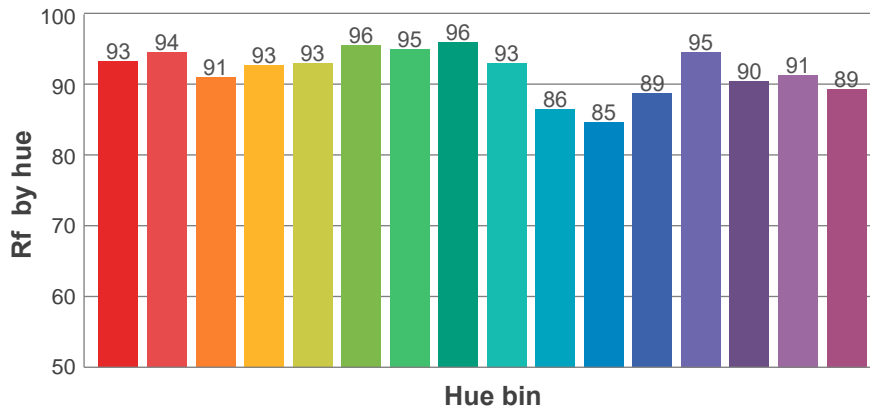
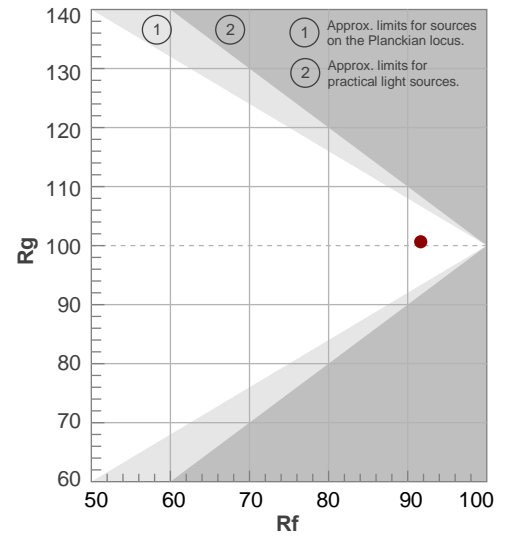
**Rf 91.6**

Fidelity index Rf

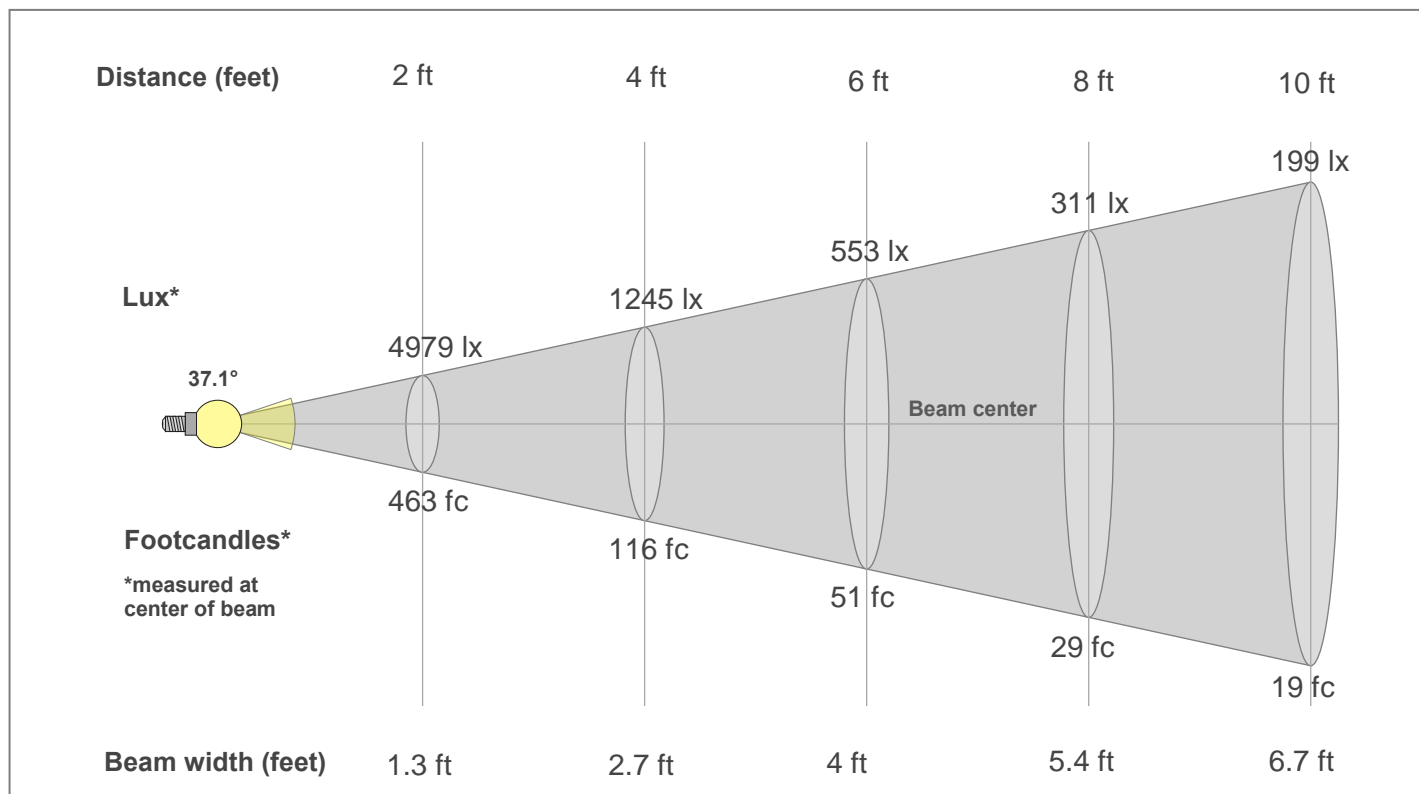
**Rg 100.6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	94	-2%	2%
3	91	0%	4%
4	93	-1%	3%
5	93	-1%	2%
6	96	2%	0%
7	95	-2%	0%
8	96	-2%	1%
9	93	-2%	4%
10	86	-2%	9%
11	85	3%	10%
12	89	5%	4%
13	95	3%	-1%
14	90	6%	-4%
15	91	2%	-5%
16	89	0%	-6%



## 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
1850lx	463lx	206lx	116lx	74lx	51lx	38lx	29lx	23lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
171.9fc	43fc	19.1fc	10.7fc	6.9fc	4.8fc	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°
1850	1836	1795	1730	1640	1533	1410	1275	1126	969	815	670	537	425	334	260	202	156	121	92
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	23%	18%	14%	11%	8%	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°
1850	1836	1795	1730	1640	1533	1410	1275	1126	969	815	670	537	425	334	260	202	156	121	92
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	23%	18%	14%	11%	8%	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°
1850	1836	1795	1730	1640	1533	1410	1275	1126	969	815	670	537	425	334	260	202	156	121	92
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	23%	18%	14%	11%	8%	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°
1850	1836	1795	1730	1640	1533	1410	1275	1126	969	815	670	537	425	334	260	202	156	121	92
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	23%	18%	14%	11%	8%	7%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.1°	65.3°	85.1°	99.8%	98.9%