

## Photometric / Colorimetric / Electric Report

Fixture Model:

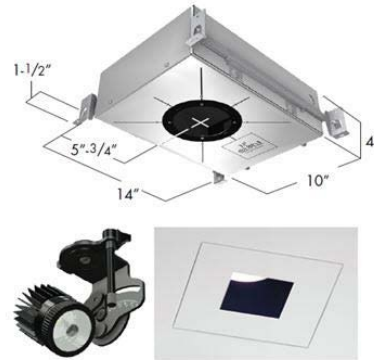
**804S-J2S-TW-25-4500K-EL3-8-700-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**7/30/2020**



Light efficiency:

**51 Lumen/Watt**

Light quality:

**CRI: 91.9**

Color temperature:

**4532 K**

CIE 1931:

**x: 0.360  
y: 0.366**

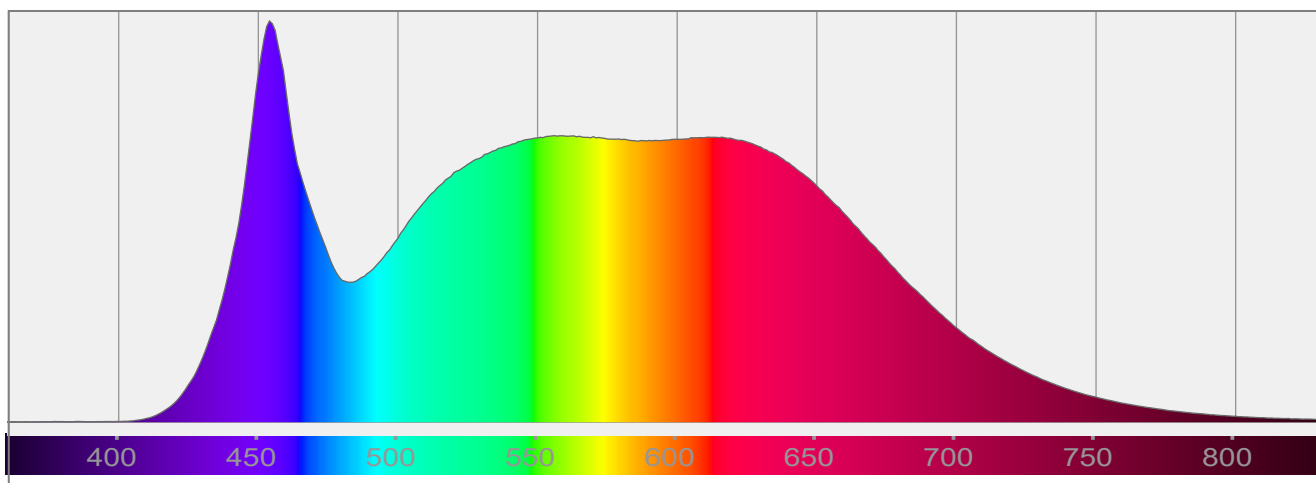
**Output: 745 lm**

**Peak: 2696 cd**

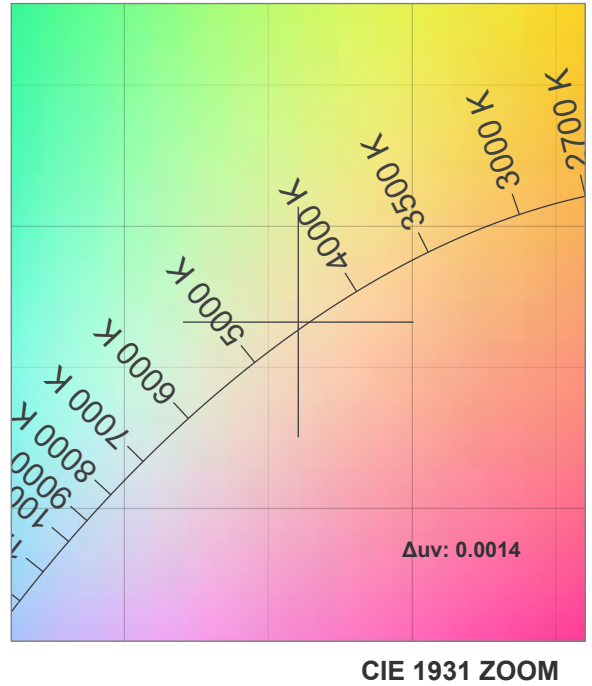
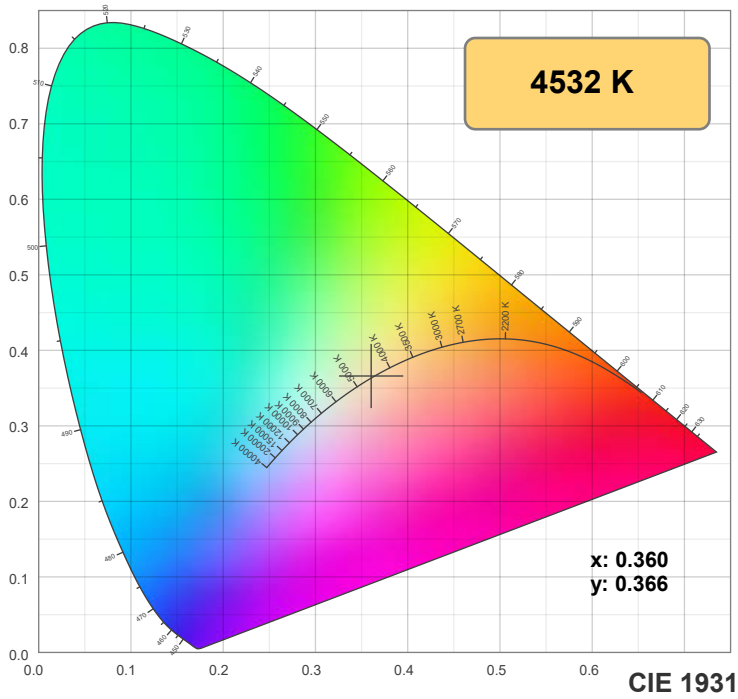
**Power: 14.7 W**

**PF: 0.99**

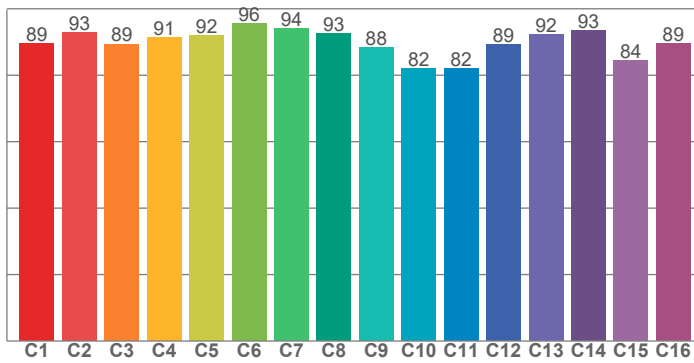
Spectra:



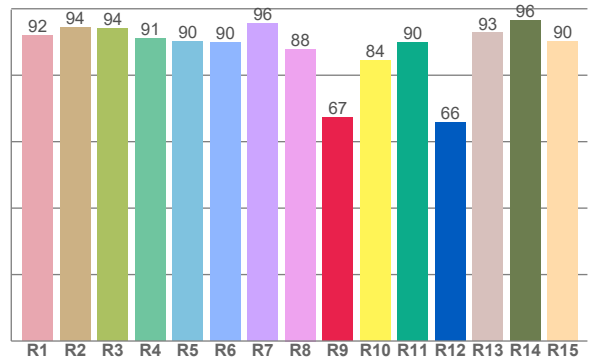
## Color Details



**TM-30: 89.7**



**CRI: 91.9 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.0	94.3	94.0	91.1	90.1	89.9	95.6	87.9	67.2	84.4	89.9	65.8	92.7	96.4	90.2

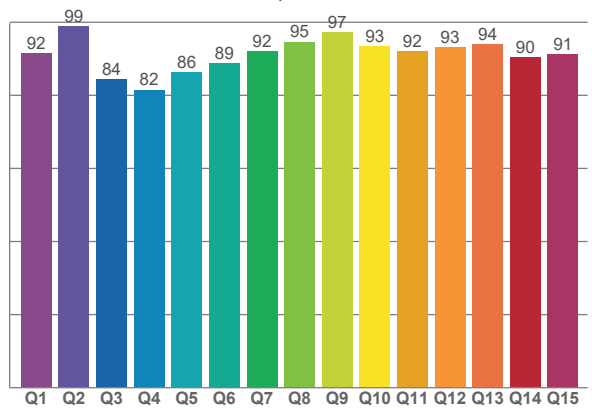
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.4	92.8	89.4	91.3	92.0	95.6	94.0	92.5	88.4	82.0	82.0	89.2	92.1	93.4	84.3	89.5

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.6	98.8	84.4	81.5	86.3	88.8	92.2	94.7	97.2	93.4	92.1	93.1	93.9	90.3	91.3

**CQS: 90.2**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4532 K	91.9	67.2	89.7	98.4	90.2	0.360	0.366	0.216	0.329	0.0014

# TM-30 Details

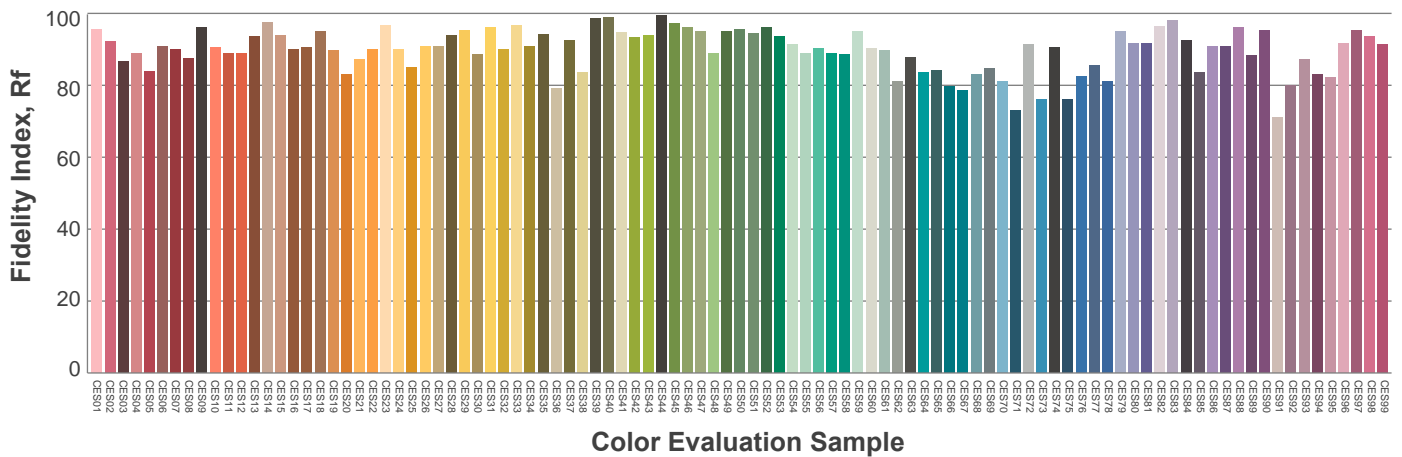
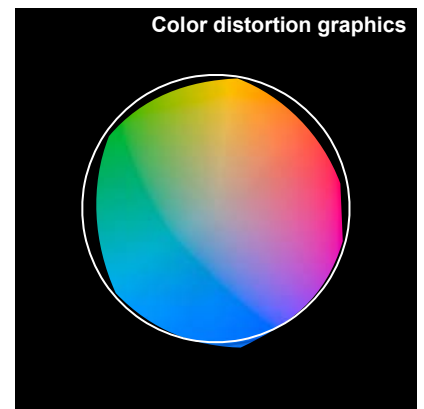
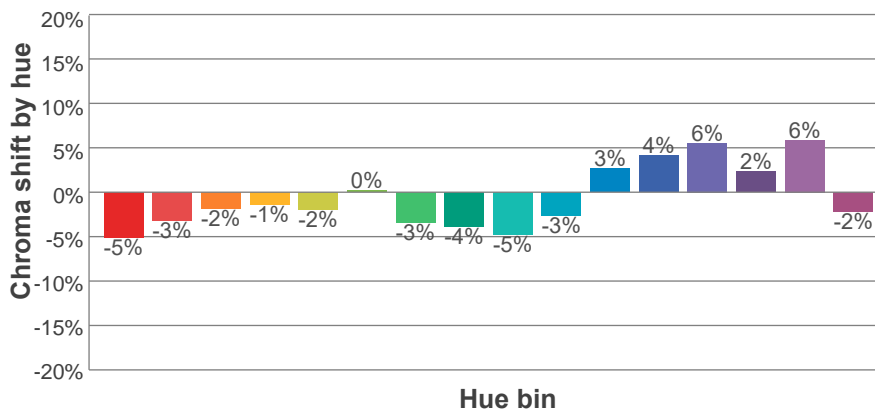
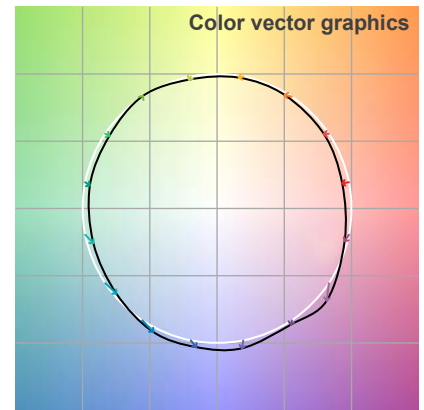
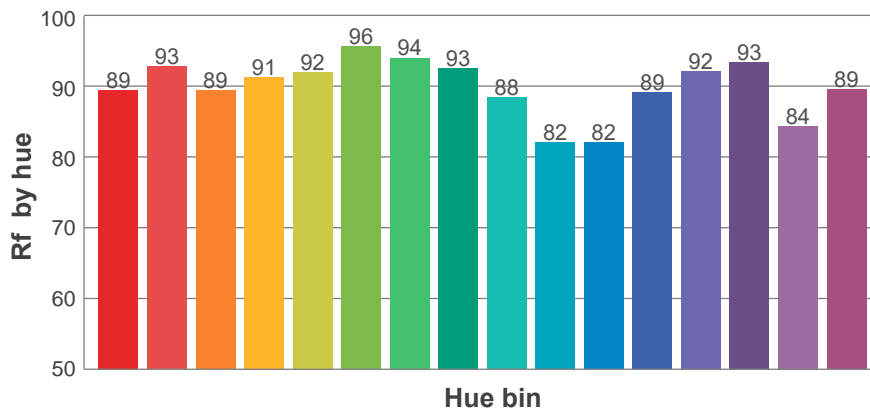
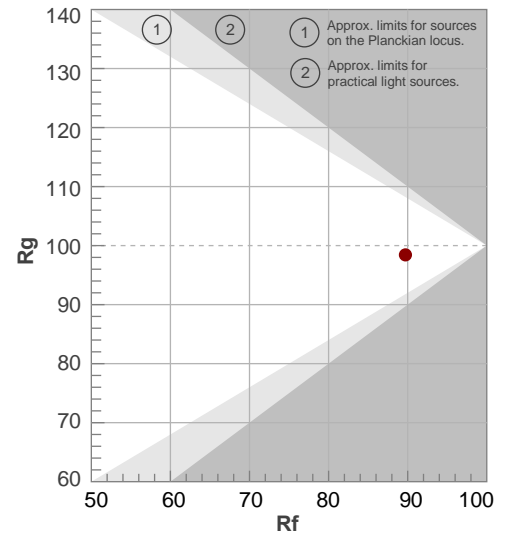
**Rf 89.7**

Fidelity index Rf

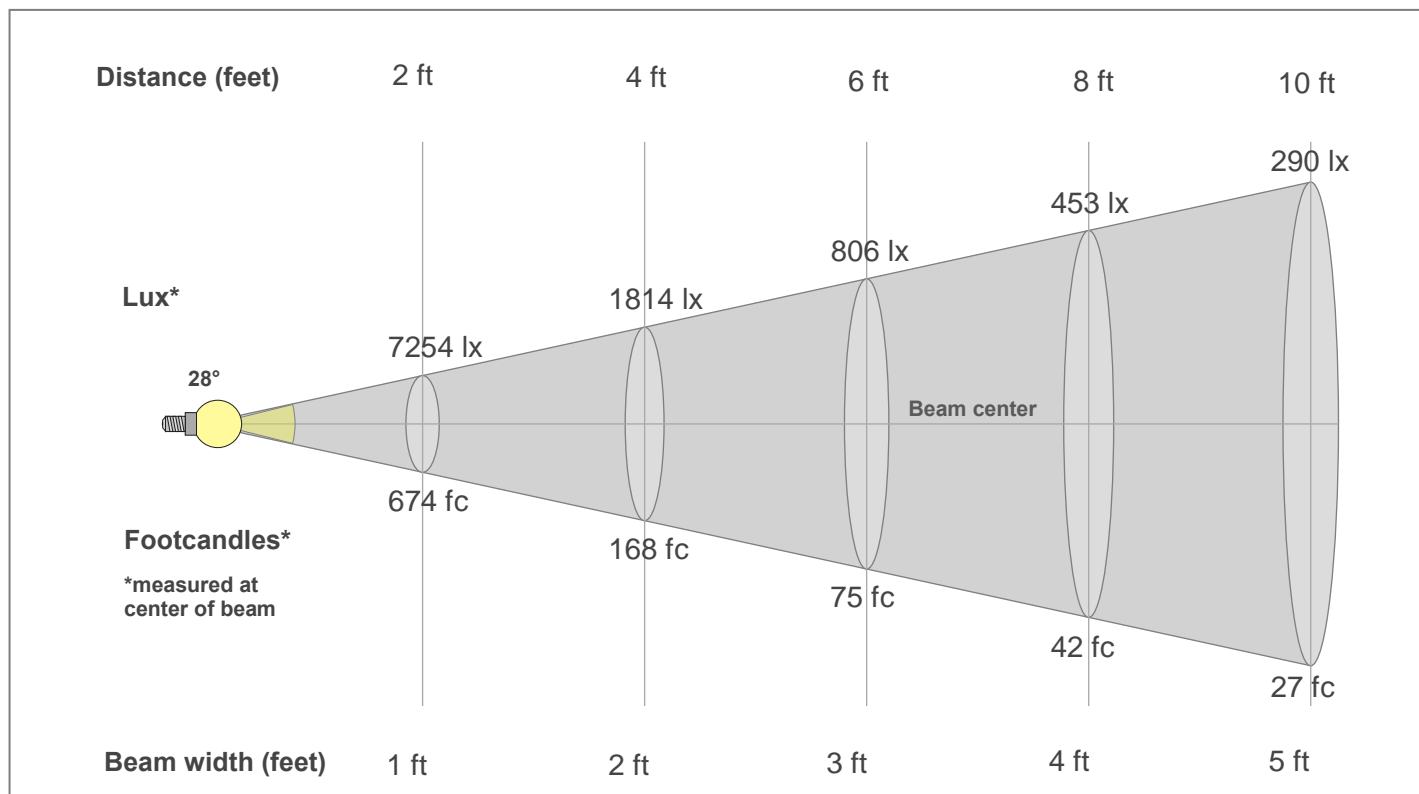
**Rg 98.4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	89	-5%	0%
2	93	-3%	2%
3	89	-2%	5%
4	91	-1%	3%
5	92	-2%	2%
6	96	0%	0%
7	94	-3%	-1%
8	93	-4%	2%
9	88	-5%	7%
10	82	-3%	11%
11	82	3%	11%
12	89	4%	5%
13	92	6%	-2%
14	93	2%	-2%
15	84	6%	-12%
16	89	-2%	-5%



## 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
2696lx	674lx	300lx	168lx	108lx	75lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx
250.4fc	62.6fc	27.8fc	15.7fc	10fc	7fc	5.1fc	3.9fc	3.1fc	2.5fc	2.1fc	1.7fc	1.5fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc

### 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°
2696	2656	2542	2366	2143	1889	1615	1345	1095	876	690	531	392	281	194	128	82	51	32	20
100%	99%	94%	88%	79%	70%	60%	50%	41%	32%	26%	20%	15%	10%	7%	5%	3%	2%	1%	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°
2696	2656	2542	2366	2143	1889	1615	1345	1095	876	690	531	392	281	194	128	82	51	32	20
100%	99%	94%	88%	79%	70%	60%	50%	41%	32%	26%	20%	15%	10%	7%	5%	3%	2%	1%	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°
2696	2656	2542	2366	2143	1889	1615	1345	1095	876	690	531	392	281	194	128	82	51	32	20
100%	99%	94%	88%	79%	70%	60%	50%	41%	32%	26%	20%	15%	10%	7%	5%	3%	2%	1%	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°
2696	2656	2542	2366	2143	1889	1615	1345	1095	876	690	531	392	281	194	128	82	51	32	20
100%	99%	94%	88%	79%	70%	60%	50%	41%	32%	26%	20%	15%	10%	7%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
28°	52.5°	65.7°	99.8%	99.6%