

## Photometric / Colorimetric / Electric Report

Fixture Model:

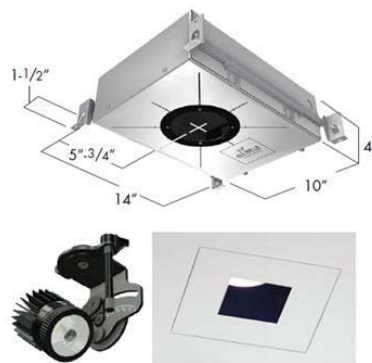
804S-J2S-TW-15T-4000K-EL3-8-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/30/2020



Light efficiency:

70 Lumen/Watt

Light quality:

CRI: 93.5

Color temperature:

4039 K

CIE 1931:

x: 0.378  
y: 0.374

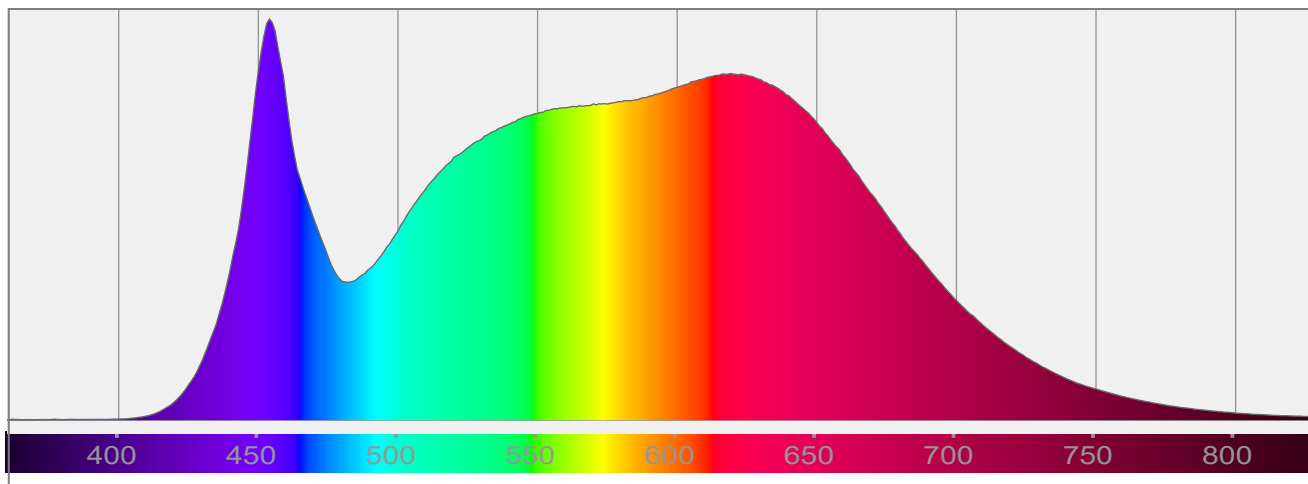
Output: 1028 lm

Peak: 7629 cd

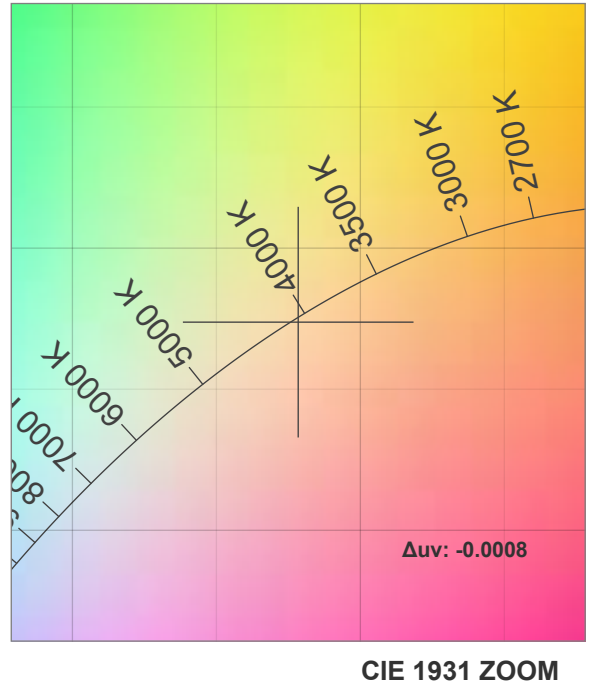
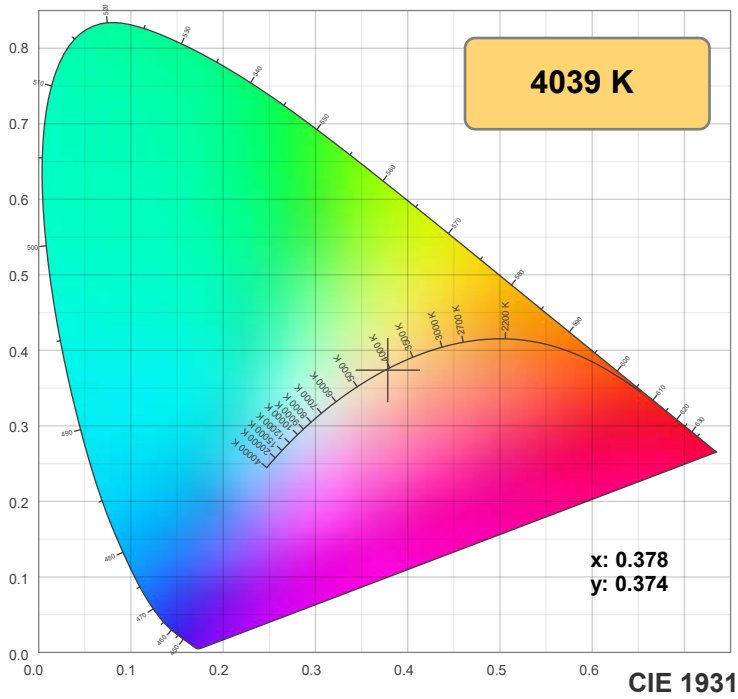
Power: 14.6 W

PF: 0.99

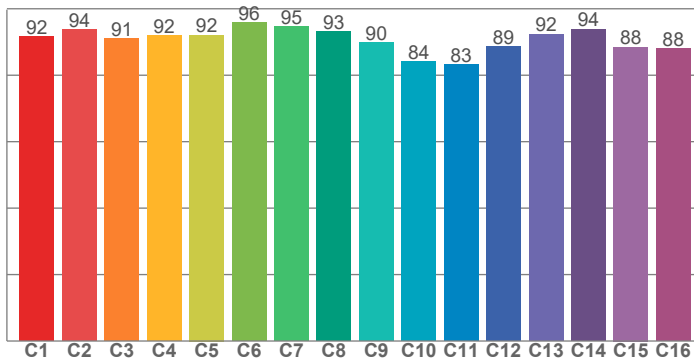
Spectra:



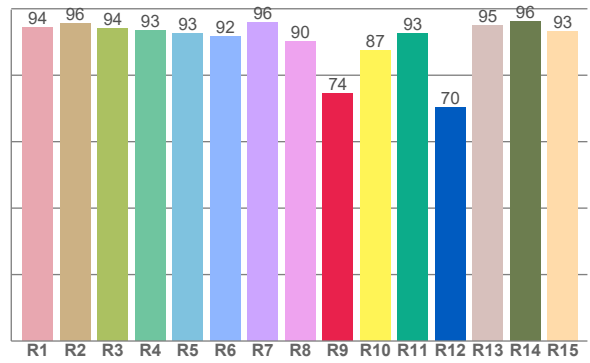
## Color Details



**TM-30: 90.6**



**CRI: 93.5 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.3	95.6	94.2	93.5	92.6	91.8	96.0	90.2	74.4	87.4	92.5	70.2	94.9	96.2	93.2

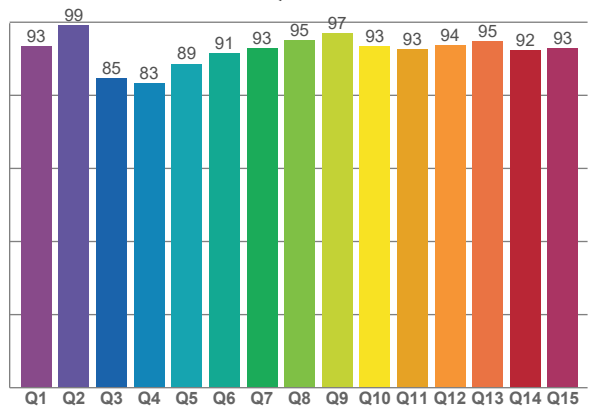
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.7	93.8	91.0	91.9	92.1	95.8	94.6	93.3	89.7	84.2	83.2	88.7	92.4	93.9	88.5	88.0

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.4	99.1	84.8	83.4	88.6	91.5	92.9	95.1	96.9	93.4	92.5	93.6	94.7	92.3	92.9

**CQS: 91.4**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4039 K	93.5	74.4	90.6	99.1	91.4	0.378	0.374	0.225	0.333	-0.0008

# TM-30 Details

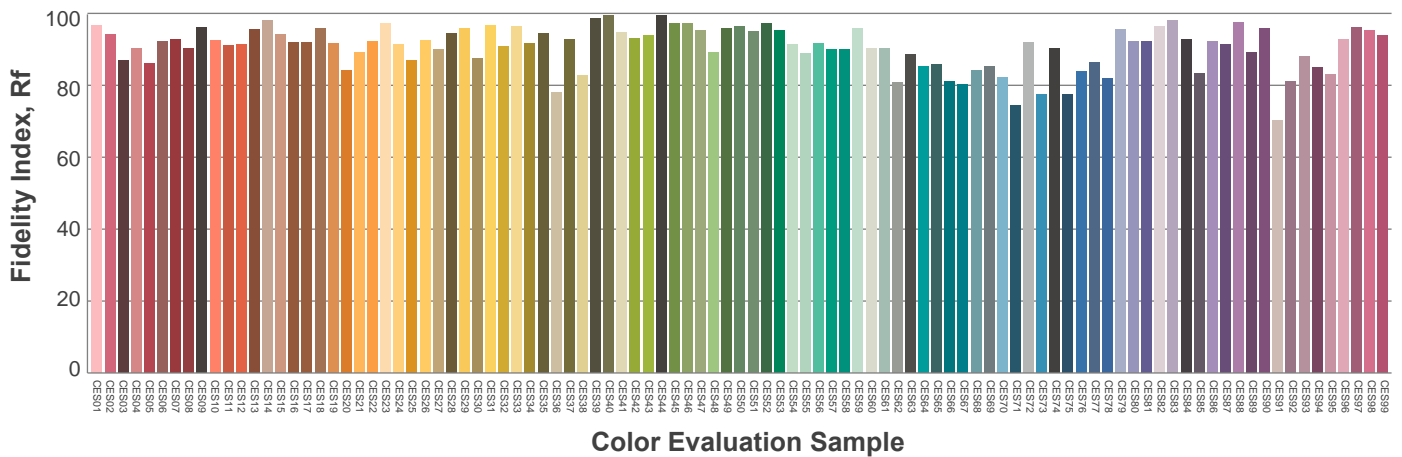
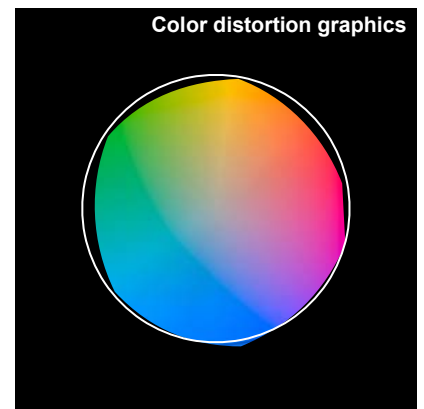
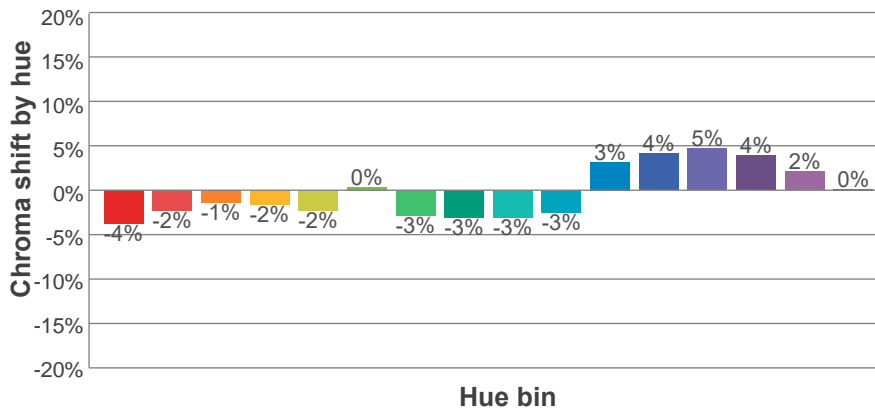
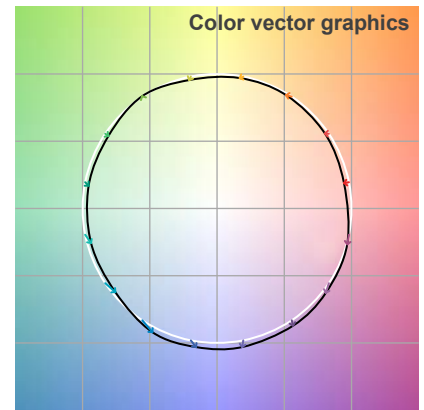
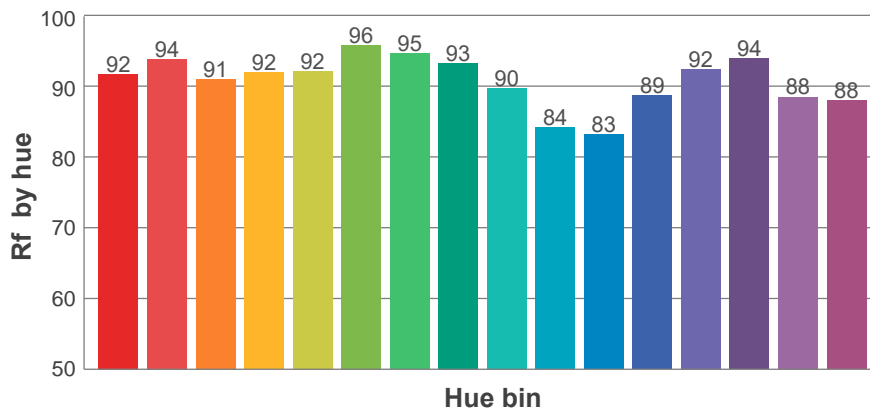
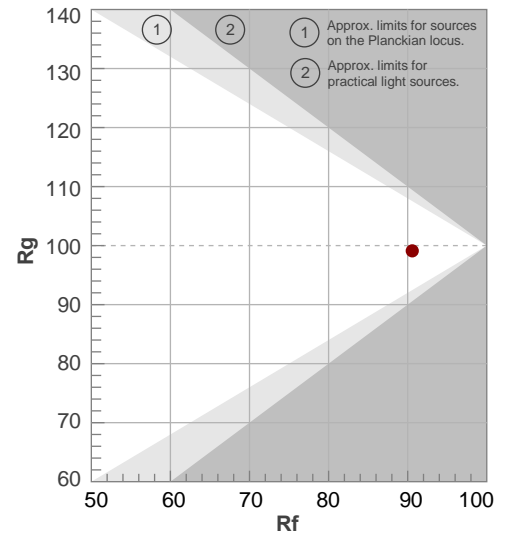
**Rf 90.6**

Fidelity index Rf

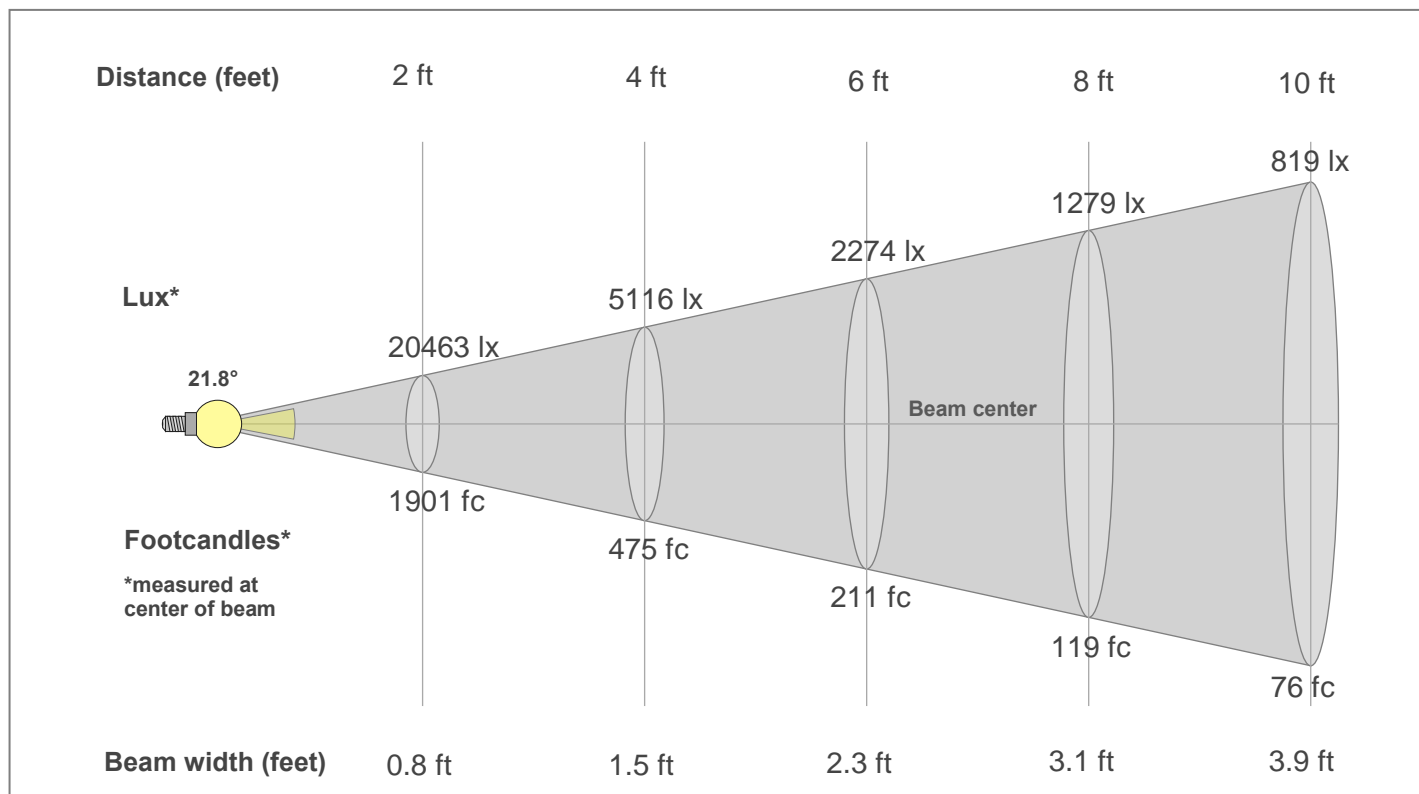
**Rg 99.1**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-2%	2%
3	91	-1%	4%
4	92	-2%	2%
5	92	-2%	2%
6	96	0%	0%
7	95	-3%	0%
8	93	-3%	2%
9	90	-3%	7%
10	84	-3%	10%
11	83	3%	11%
12	89	4%	5%
13	92	5%	-2%
14	94	4%	-1%
15	88	2%	-7%
16	88	0%	-7%



## 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
7604lx	1901lx	845lx	475lx	304lx	211lx	155lx	119lx	94lx	76lx	63lx	53lx	45lx	39lx	34lx	30lx	26lx	23lx	21lx	19lx
706.5fc	176.6fc	78.5fc	44.2fc	28.3fc	19.6fc	14.4fc	11fc	8.7fc	7.1fc	5.8fc	4.9fc	4.2fc	3.6fc	3.1fc	2.8fc	2.4fc	2.2fc	2fc	1.8fc

### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7604	7618	7609	7508	7300	7023	6688	6259	5714	5092	4431	3742	3011	2274	1611	1087	733	520	385	292
100%	100%	100%	99%	96%	92%	88%	82%	75%	67%	58%	49%	40%	30%	21%	14%	10%	7%	5%	4%

### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7604	7618	7609	7508	7300	7023	6688	6259	5714	5092	4431	3742	3011	2274	1611	1087	733	520	385	292
100%	100%	100%	99%	96%	92%	88%	82%	75%	67%	58%	49%	40%	30%	21%	14%	10%	7%	5%	4%

### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7604	7618	7609	7508	7300	7023	6688	6259	5714	5092	4431	3742	3011	2274	1611	1087	733	520	385	292
100%	100%	100%	99%	96%	92%	88%	82%	75%	67%	58%	49%	40%	30%	21%	14%	10%	7%	5%	4%

### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7604	7618	7609	7508	7300	7023	6688	6259	5714	5092	4431	3742	3011	2274	1611	1087	733	520	385	292
100%	100%	100%	99%	96%	92%	88%	82%	75%	67%	58%	49%	40%	30%	21%	14%	10%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.8°	31.8°	41.3°	99.6%	99.5%