

## Photometric / Colorimetric / Electric Report

Fixture Model:

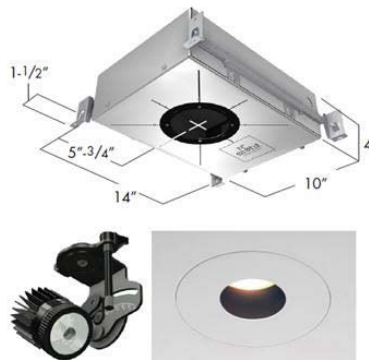
804S-J2S-TW-15T-4000K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 93.6

Color temperature:

4044 K

CIE 1931:

x: 0.378  
y: 0.373

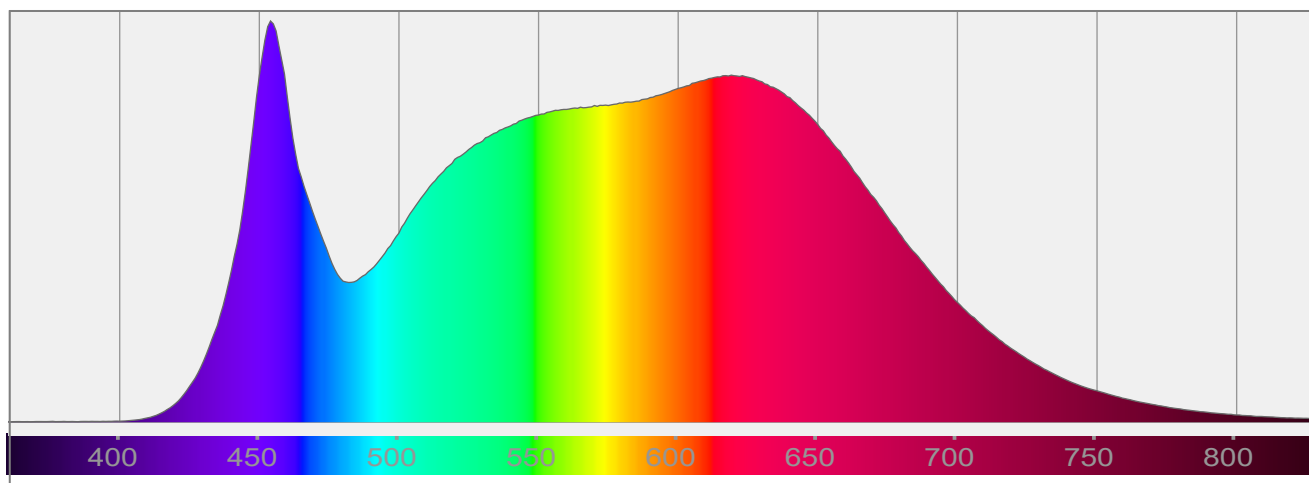
Output: 994 lm

Peak: 7622 cd

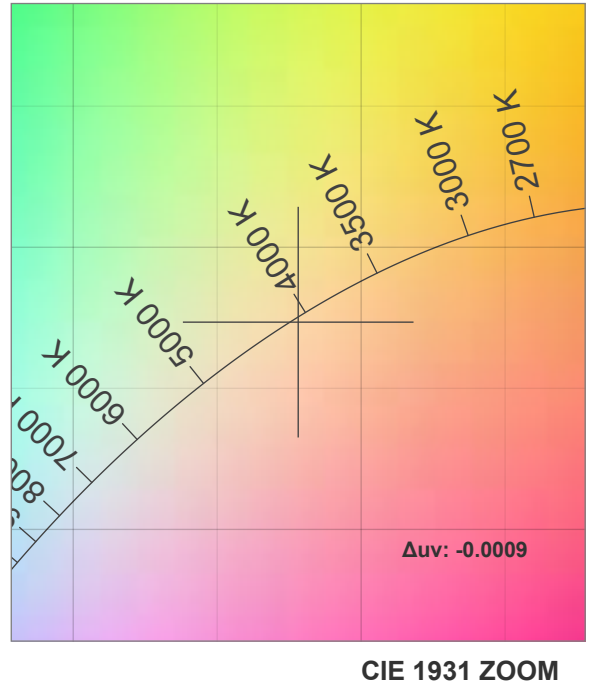
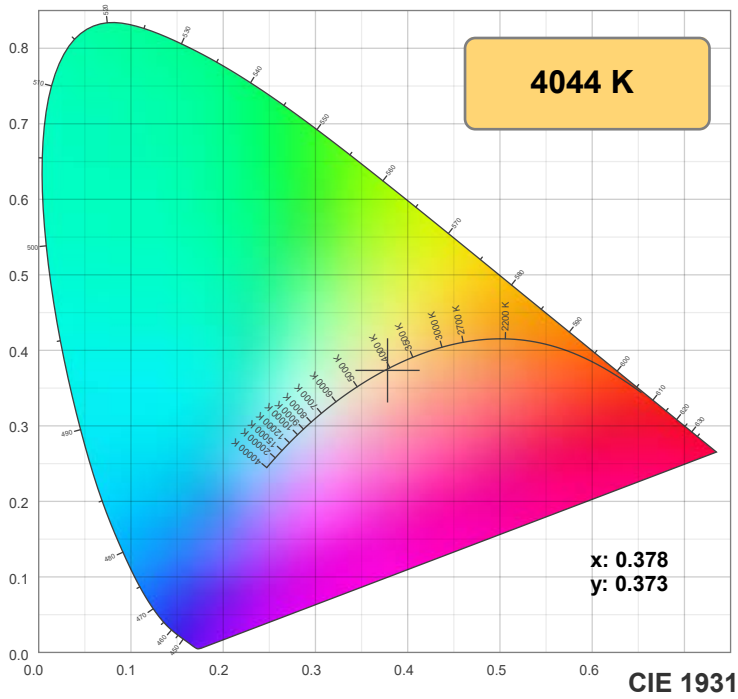
Power: 14.6 W

PF: 0.99

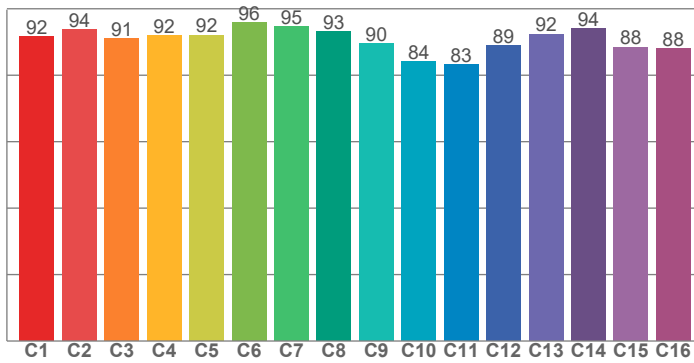
Spectra:



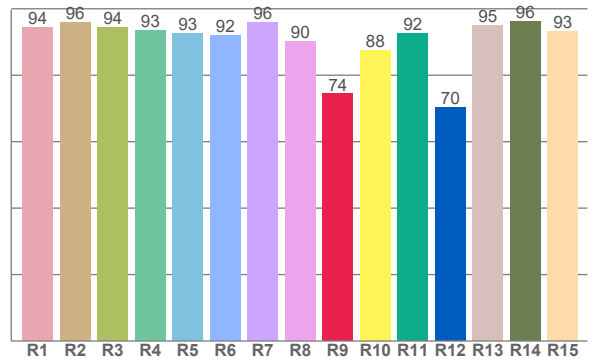
## Color Details



**TM-30: 90.6**



**CRI: 93.6 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.3	95.7	94.3	93.4	92.6	91.9	95.9	90.1	74.4	87.6	92.5	70.3	94.9	96.3	93.2

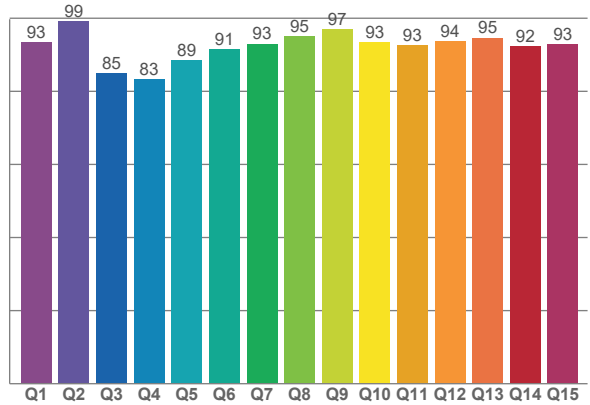
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.7	93.8	91.1	91.9	92.1	95.8	94.5	93.2	89.6	84.1	83.2	88.8	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
93.3	99.1	84.9	83.4	88.6	91.4	93.0	95.1	97.0	93.5	92.5	93.6	94.6	92.3	92.9

**CQS: 91.4**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
4044 K	93.6	74.4	90.6	99.0	91.4	0.378	0.373	0.225	0.333	-0.0009

# TM-30 Details

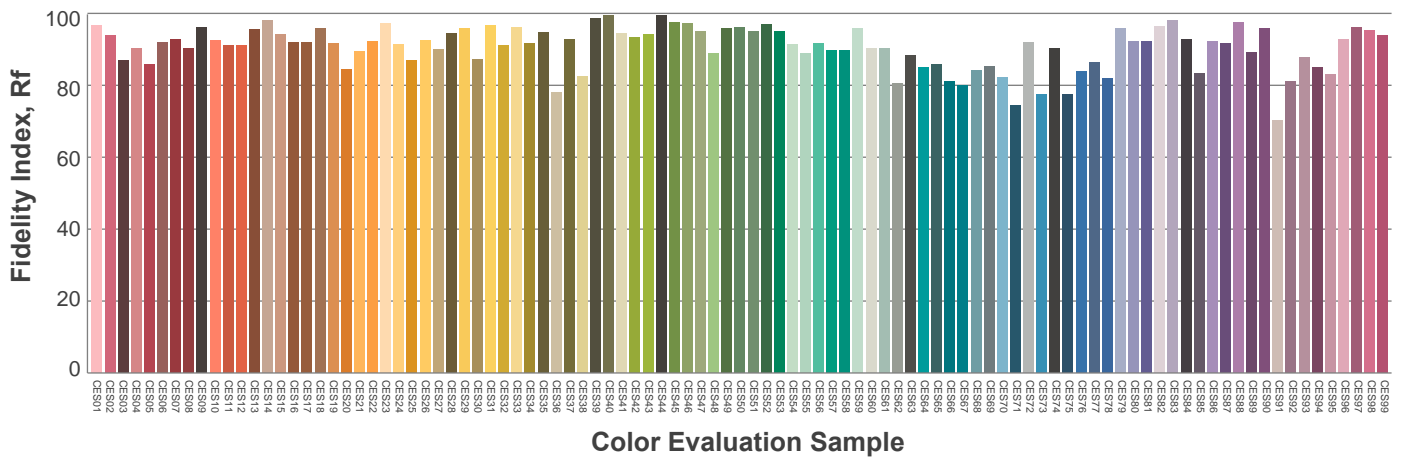
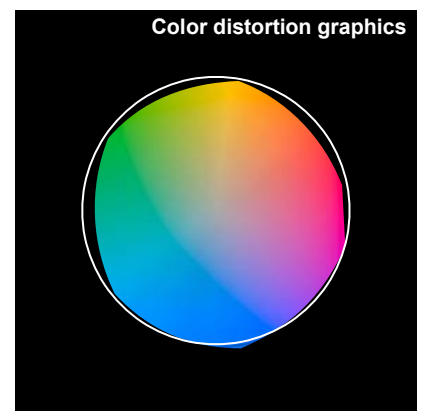
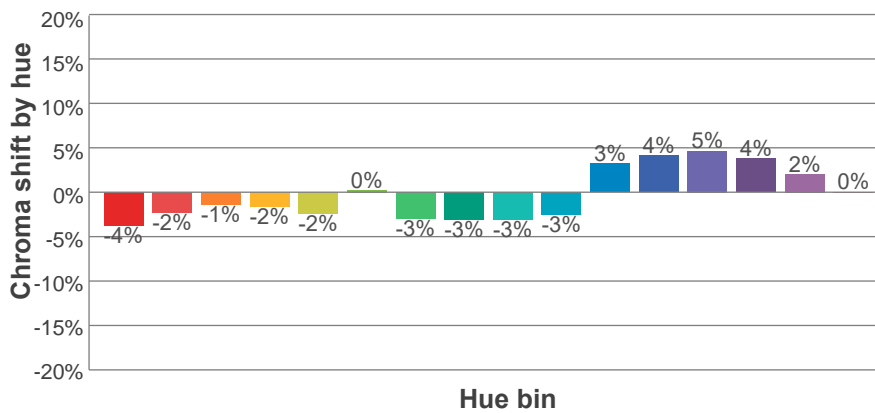
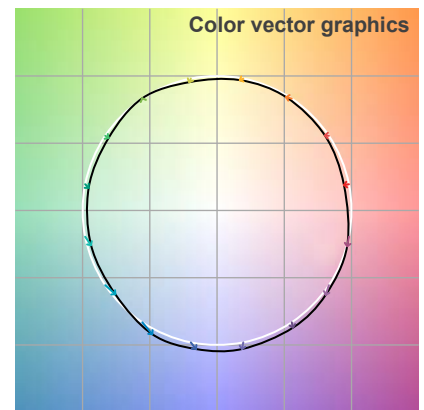
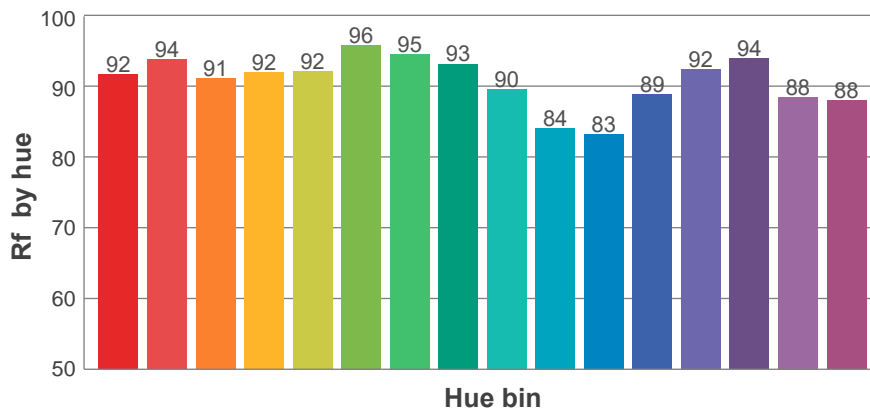
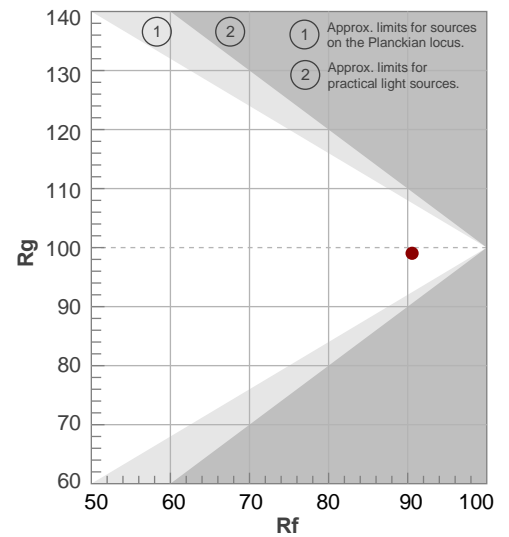
**Rf 90.6**

Fidelity index Rf

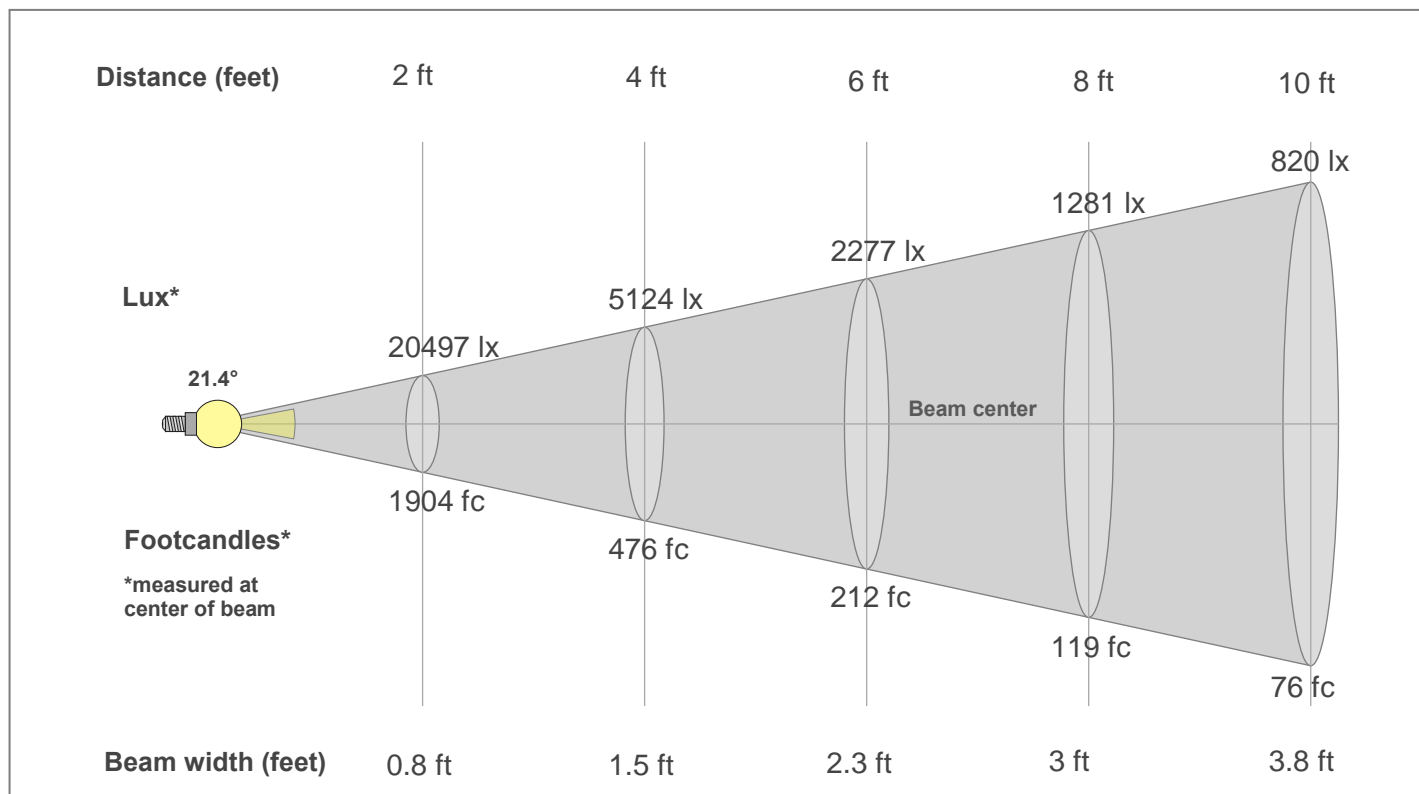
**Rg 99.0**

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
7617lx	1904lx	846lx	476lx	305lx	212lx	155lx	119lx	94lx	76lx	63lx	53lx	45lx	39lx	34lx	30lx	26lx	24lx	21lx	19lx
707.6fc	176.9fc	78.6fc	44.2fc	28.3fc	19.7fc	14.4fc	11.1fc	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°
7617	7620	7569	7394	7137	6838	6497	6081	5554	4929	4267	3603	2920	2237	1603	1093	732	504	365	271
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	38%	29%	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°
7617	7620	7569	7394	7137	6838	6497	6081	5554	4929	4267	3603	2920	2237	1603	1093	732	504	365	271
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	38%	29%	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°
7617	7620	7569	7394	7137	6838	6497	6081	5554	4929	4267	3603	2920	2237	1603	1093	732	504	365	271
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	38%	29%	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°
7617	7620	7569	7394	7137	6838	6497	6081	5554	4929	4267	3603	2920	2237	1603	1093	732	504	365	271
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	38%	29%	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°
21.4°	31.8°	40.5°	99.7%	99.6%