

## Photometric / Colorimetric / Electric Report

Fixture Model:

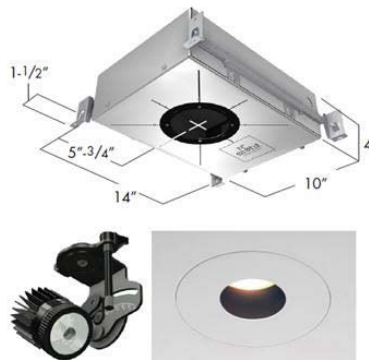
804S-J2S-TW-15T-3500K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 95.2

Color temperature:

3534 K

CIE 1931:

x: 0.400  
y: 0.381

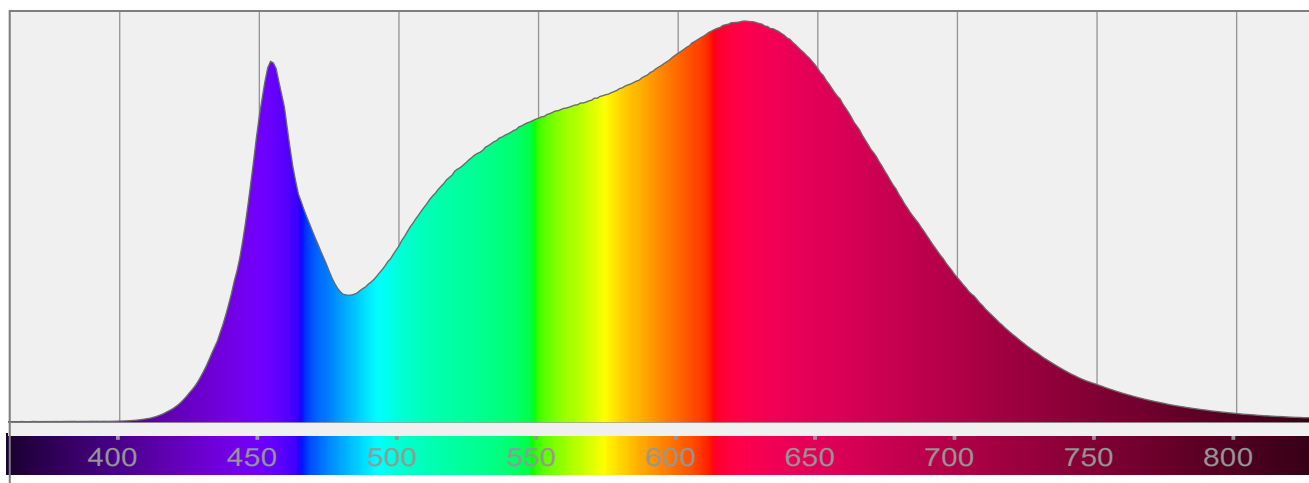
Output: 987 lm

Peak: 7522 cd

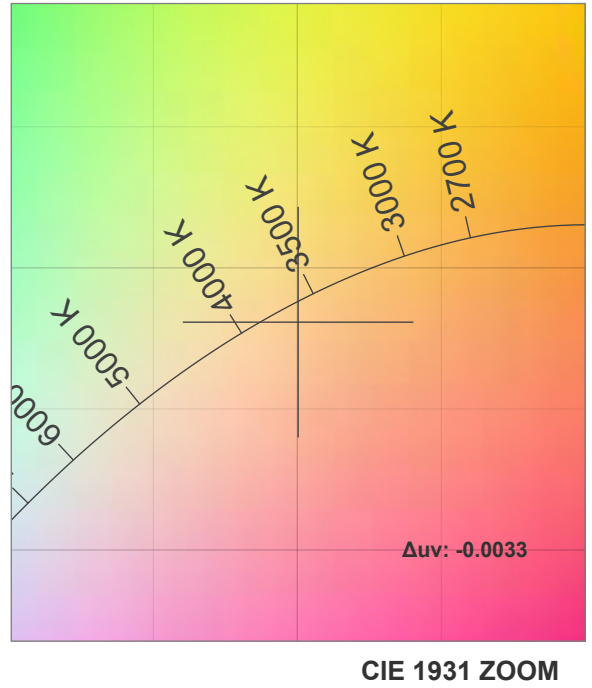
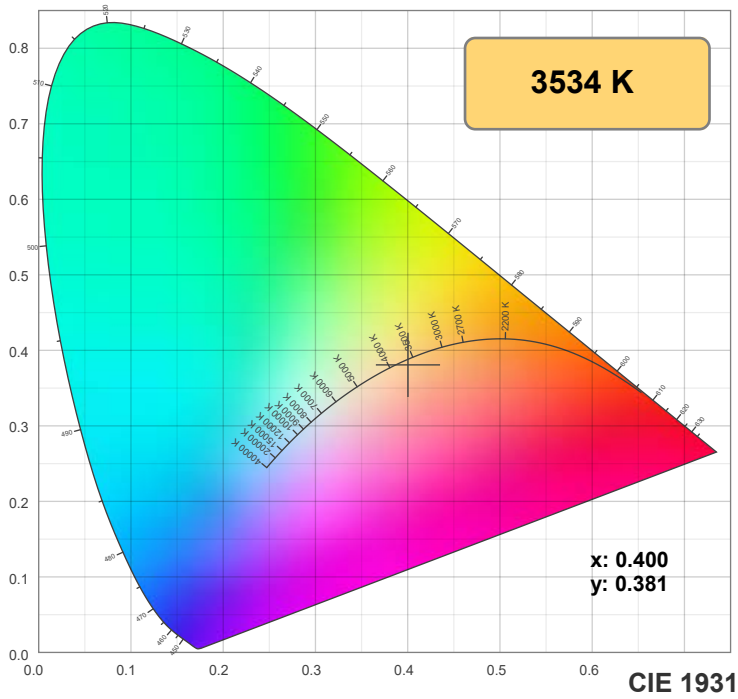
Power: 14.5 W

PF: 0.99

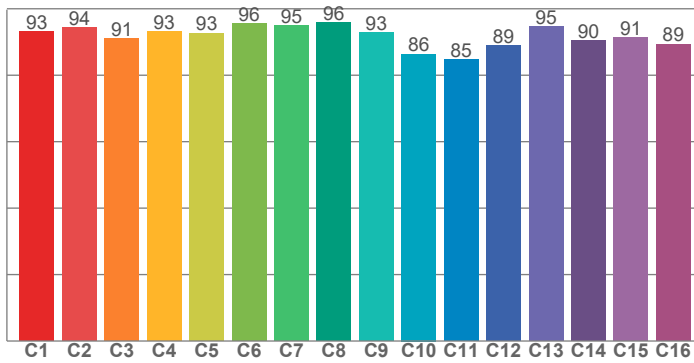
Spectra:



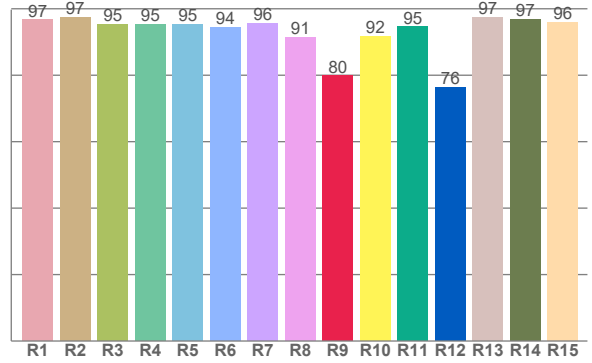
## Color Details



**TM-30: 91.6**



**CRI: 95.2 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	97.5	95.4	95.2	95.3	94.3	95.5	91.5	79.8	91.7	94.5	76.3	97.3	96.7	95.9

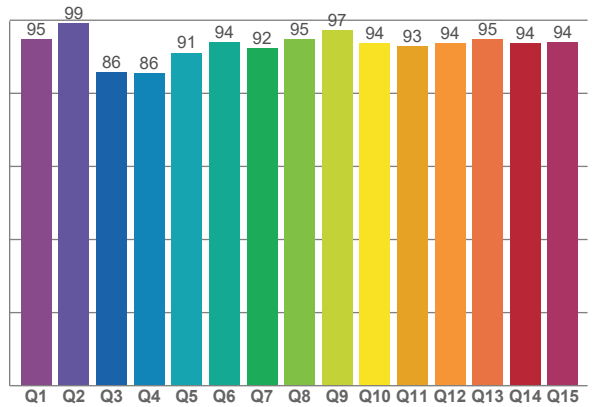
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	94.4	91.0	93.2	92.7	95.6	94.8	95.8	92.8	86.4	84.8	88.9	94.6	90.4	91.2	89.4

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.7	99.2	85.9	85.6	91.1	93.9	92.2	94.8	97.3	93.7	92.9	93.6	94.9	93.7	94.0

**CQS: 92.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3534 K	95.2	79.8	91.6	100.5	92.3	0.400	0.381	0.237	0.338	-0.0033

# TM-30 Details

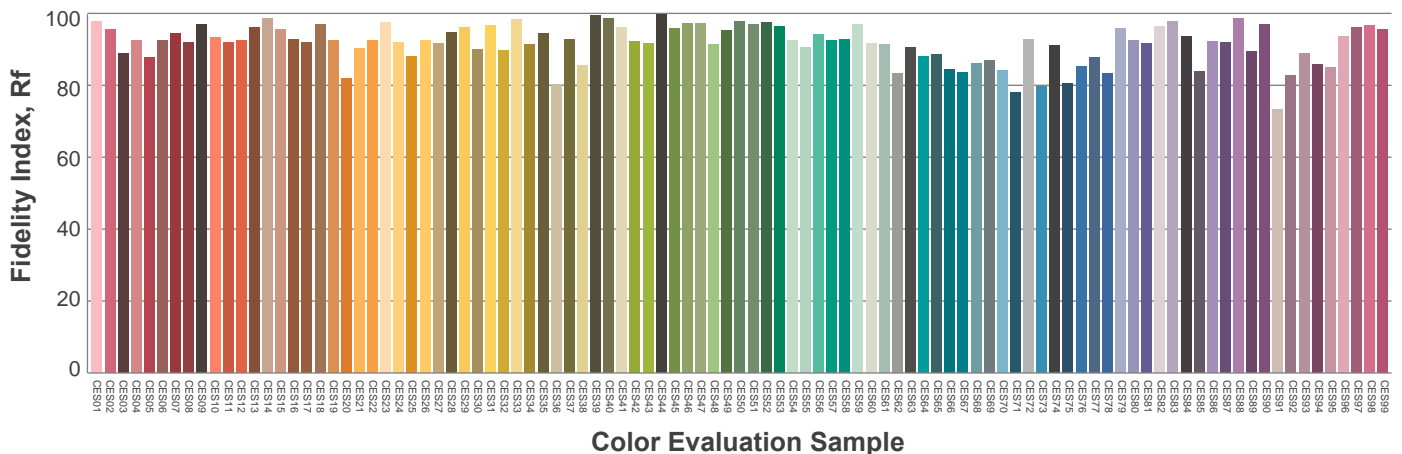
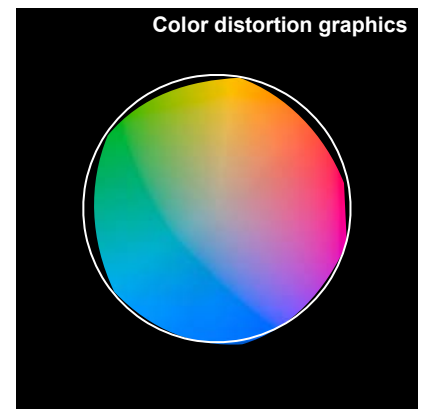
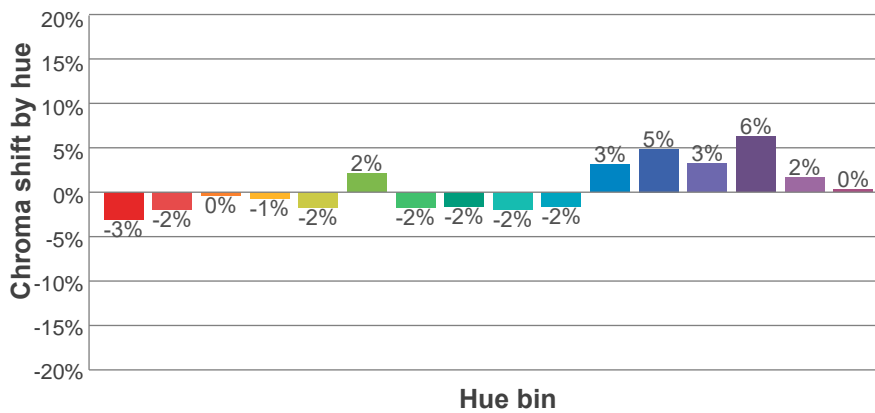
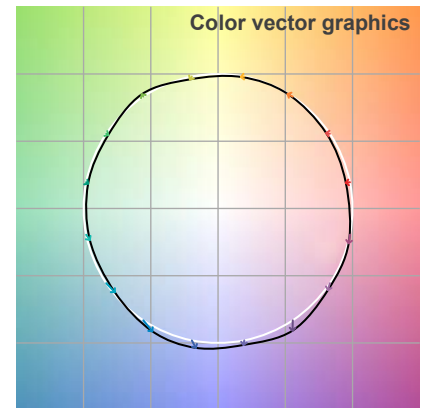
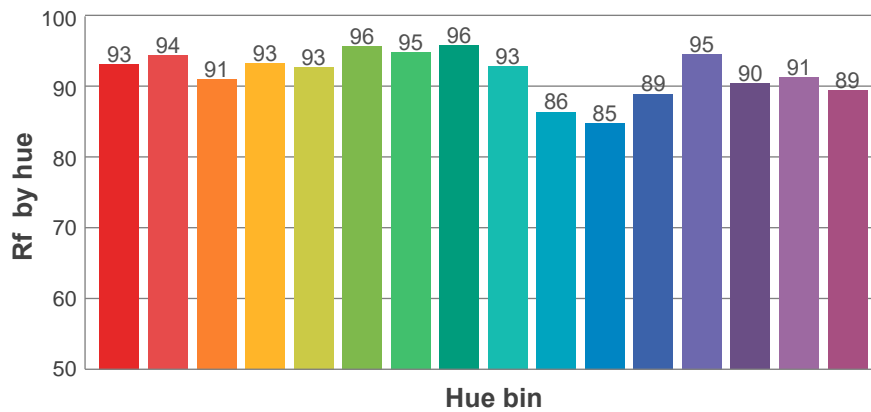
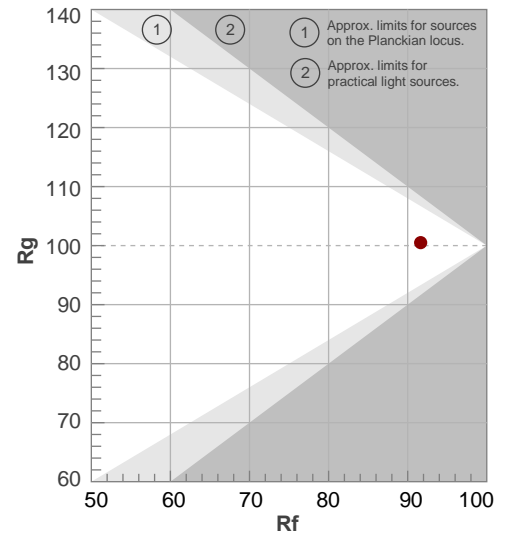
**Rf 91.6**

Fidelity index Rf

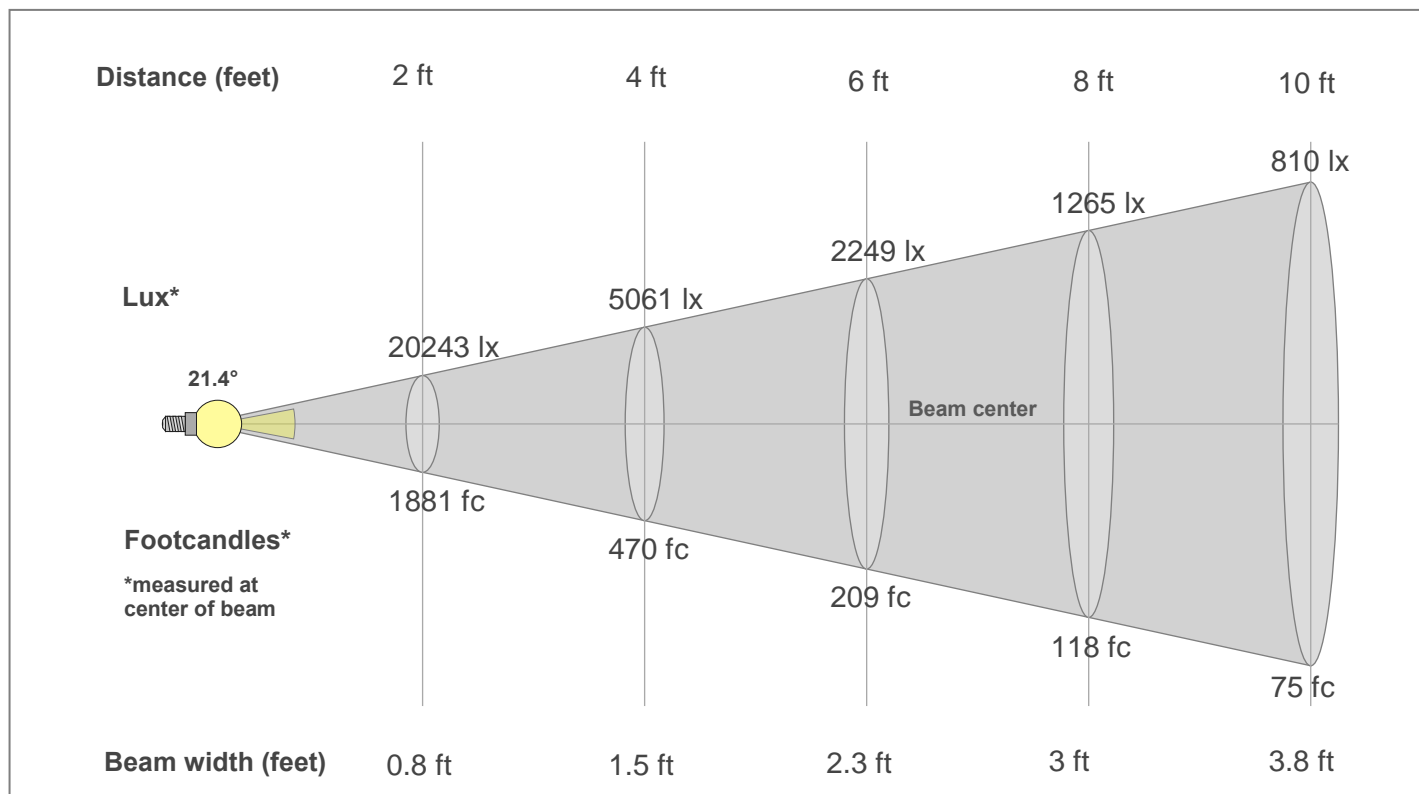
**Rg 100.5**

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%	2%
5	93	-2%	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
7522lx	1881lx	836lx	470lx	301lx	209lx	154lx	118lx	93lx	75lx	62lx	52lx	45lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
698.9fc	174.7fc	77.7fc	43.7fc	28fc	19.4fc	14.3fc	10.9fc	8.6fc	7fc	5.8fc	4.9fc	4.1fc	3.6fc	3.1fc	2.7fc	2.4fc	2.2fc	1.9fc	1.7fc

### 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°
7522	7521	7465	7298	7044	6751	6405	5988	5470	4858	4217	3572	2909	2250	1637	1126	752	512	369	275
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	39%	30%	22%	15%	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°
7522	7521	7465	7298	7044	6751	6405	5988	5470	4858	4217	3572	2909	2250	1637	1126	752	512	369	275
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	39%	30%	22%	15%	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°
7522	7521	7465	7298	7044	6751	6405	5988	5470	4858	4217	3572	2909	2250	1637	1126	752	512	369	275
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	39%	30%	22%	15%	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°
7522	7521	7465	7298	7044	6751	6405	5988	5470	4858	4217	3572	2909	2250	1637	1126	752	512	369	275
100%	100%	99%	97%	94%	90%	85%	80%	73%	65%	56%	47%	39%	30%	22%	15%	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°	32°	40.7°	99.7%	99.7%