

## Photometric / Colorimetric / Electric Report

Fixture Model:

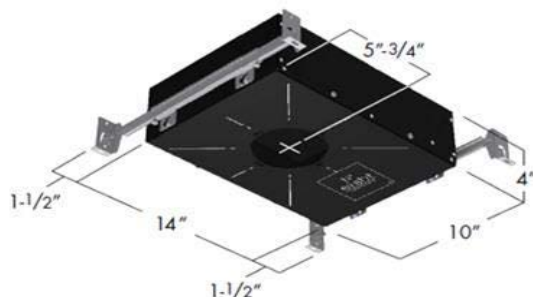
804S-J2S-HI-15-DIM1-8-1000-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

4/1/2022



Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 93.8

Color temperature:

2990 K

CIE 1931:

x: 0.441  
y: 0.410

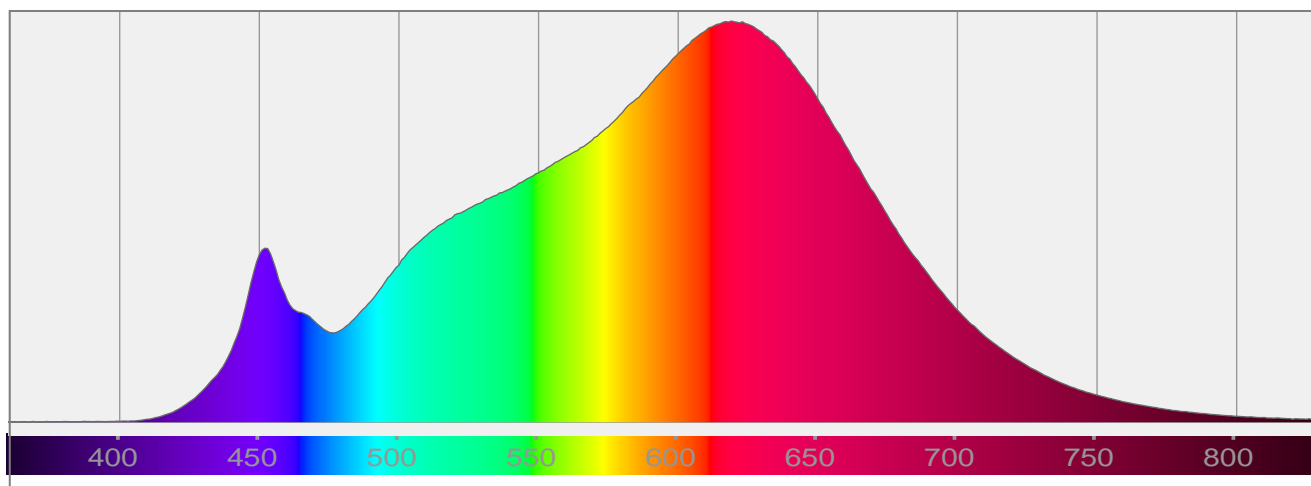
Output: 1041 lm

Peak: 5753 cd

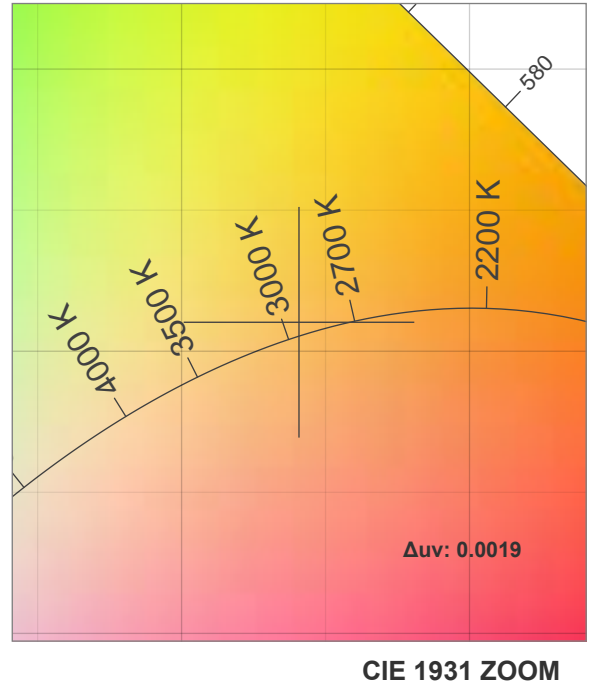
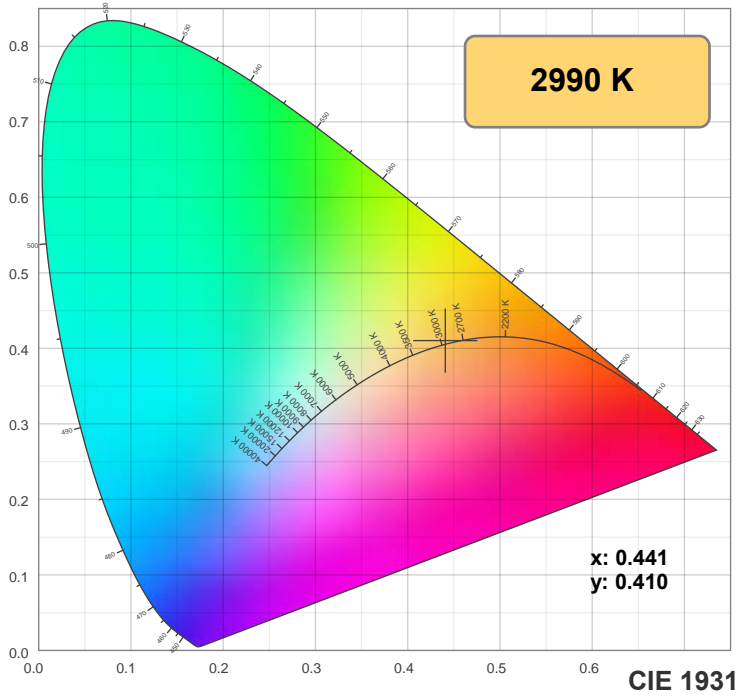
Power: 14.0 W

PF: 0.99

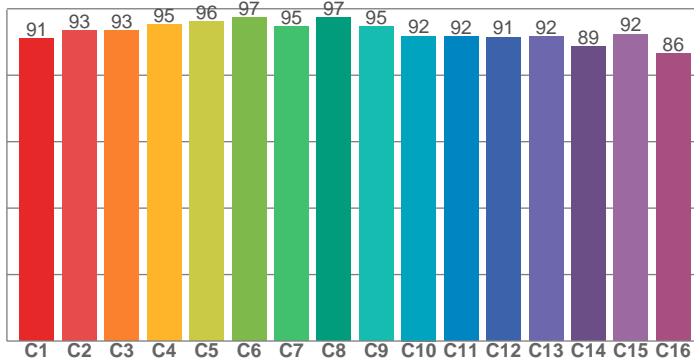
Spectra:



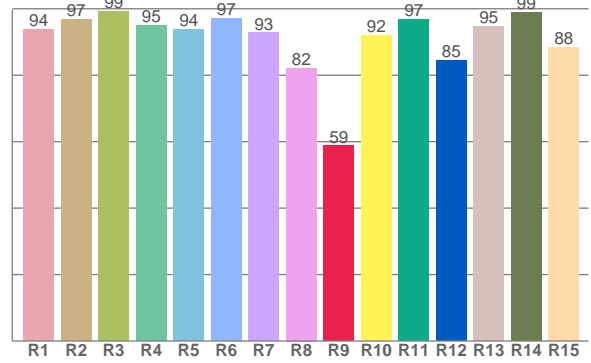
## Color Details



**TM-30: 93.0**



**CRI: 93.8 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.9	96.7	99.1	94.9	93.8	97.0	92.7	82.2	58.7	91.9	96.9	84.6	94.7	98.8	88.5

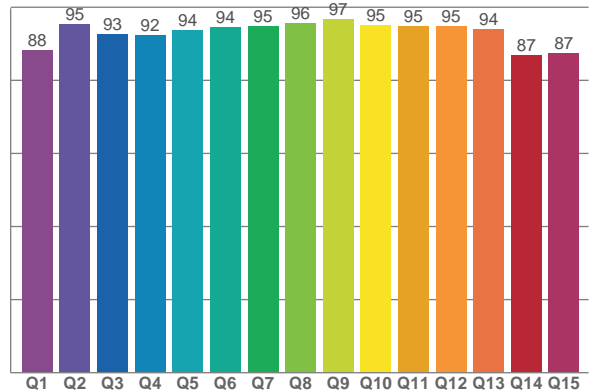
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	93.4	93.5	95.3	96.2	97.4	94.7	97.4	94.6	91.8	91.6	91.5	91.7	88.6	92.4	86.5

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.2	95.3	92.5	92.2	93.8	94.4	94.8	95.6	96.7	95.1	94.8	94.7	94.0	86.8	87.4

**CQS: 92.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2990 K	93.8	58.7	93.0	97.8	92.3	0.441	0.410	0.250	0.350	0.0019

# TM-30 Details

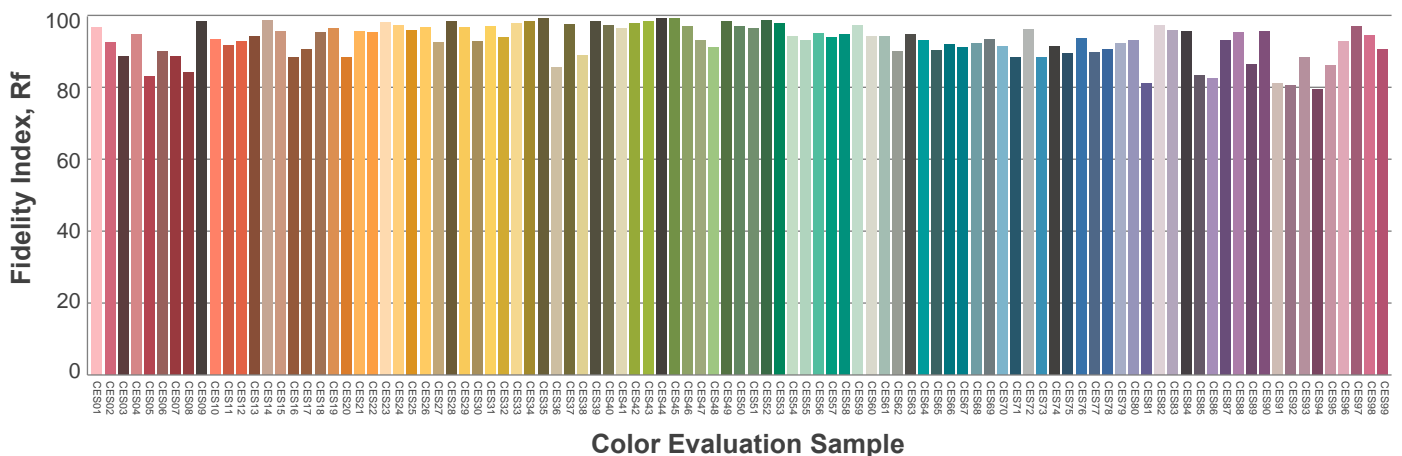
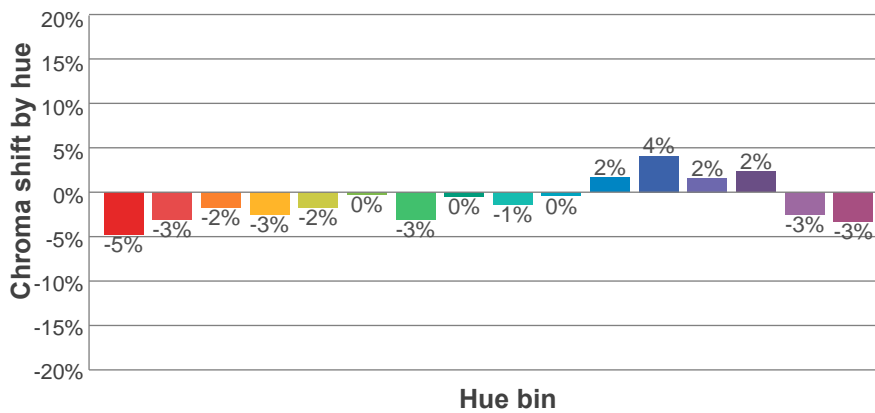
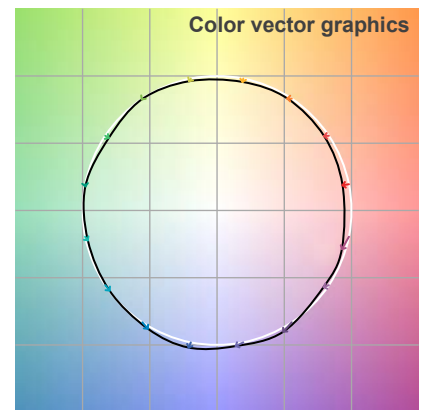
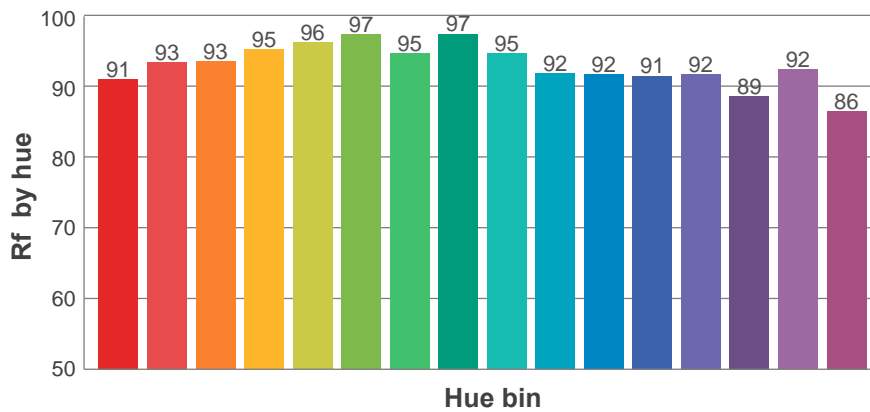
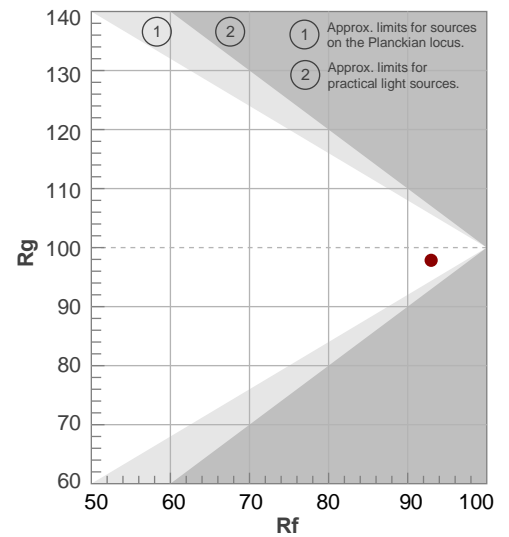
**Rf 93.0**

Fidelity index Rf

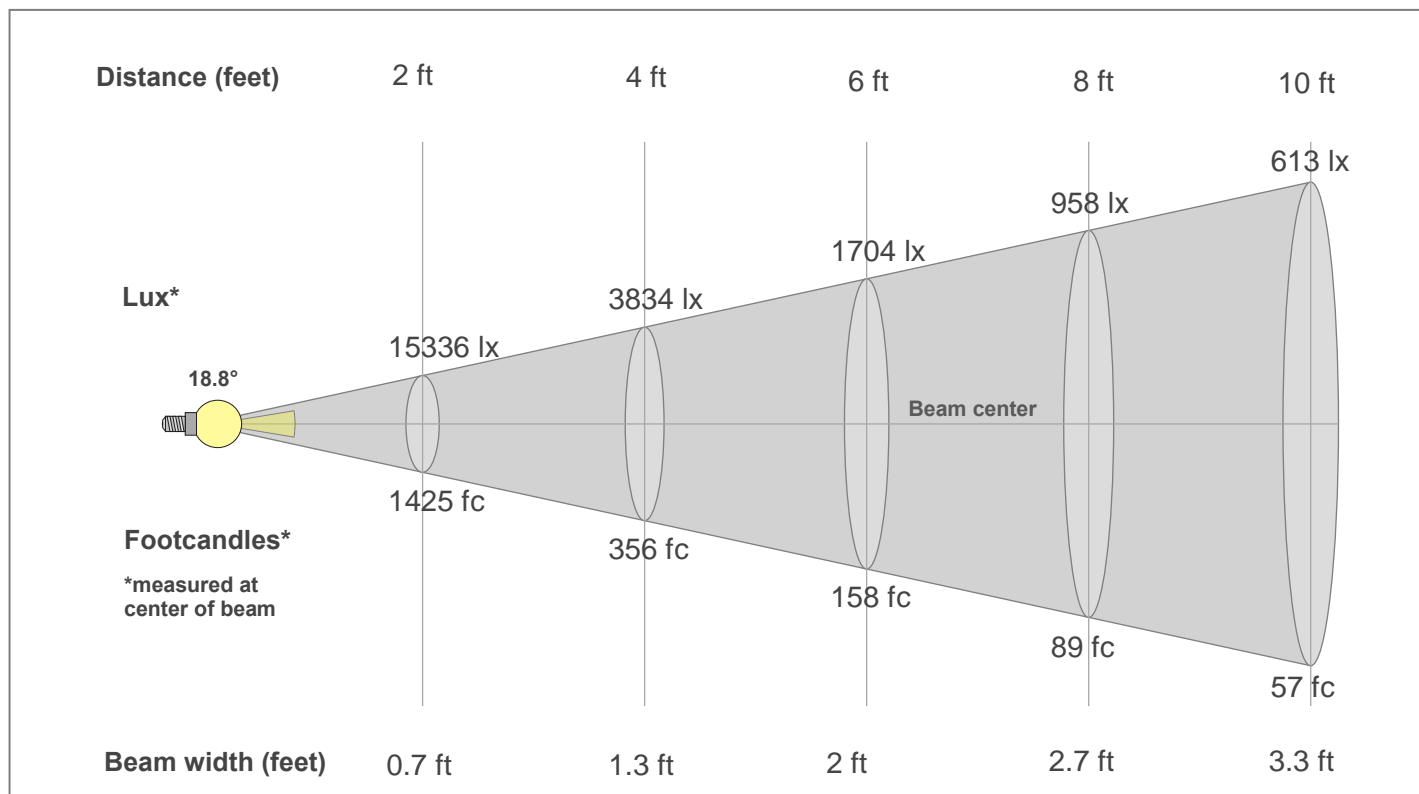
**Rg 97.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	93	-2%	3%
4	95	-3%	0%
5	96	-2%	2%
6	97	0%	1%
7	95	-3%	0%
8	97	0%	1%
9	95	-1%	3%
10	92	0%	5%
11	92	2%	6%
12	91	4%	-1%
13	92	2%	-6%
14	89	2%	-9%
15	92	-3%	-3%
16	86	-3%	-10%



## 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
5699lx	1425lx	633lx	356lx	228lx	158lx	116lx	89lx	70lx	57lx	47lx	40lx	34lx	29lx	25lx	22lx	20lx	18lx	16lx	14lx
529.4fc	132.4fc	58.8fc	33.1fc	21.2fc	14.7fc	10.8fc	8.3fc	6.5fc	5.3fc	4.4fc	3.7fc	3.1fc	2.7fc	2.4fc	2.1fc	1.8fc	1.6fc	1.5fc	1.3fc

### 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°
5699	5536	4977	4217	3391	2651	2048	1581	1228	957	747	578	444	340	266	210	164	125	92	62
100%	97%	87%	74%	59%	47%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	2%	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°
5699	5469	4934	4178	3383	2650	2060	1592	1236	957	737	571	437	333	256	201	159	127	97	69
100%	96%	87%	73%	59%	47%	36%	28%	22%	17%	13%	10%	8%	6%	4%	4%	3%	2%	2%	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°
5699	5554	4986	4205	3380	2653	2038	1571	1204	931	721	558	428	326	252	193	154	122	96	74
100%	97%	87%	74%	59%	47%	36%	28%	21%	16%	13%	10%	8%	6%	4%	3%	3%	2%	2%	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°
5699	5469	4934	4178	3383	2650	2060	1592	1236	957	737	571	437	333	256	201	159	127	97	69
100%	96%	87%	73%	59%	47%	36%	28%	22%	17%	13%	10%	8%	6%	4%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
18.8°	44°	65.9°	99.5%	98.9%