

## Photometric / Colorimetric / Electric Report

Fixture Model:

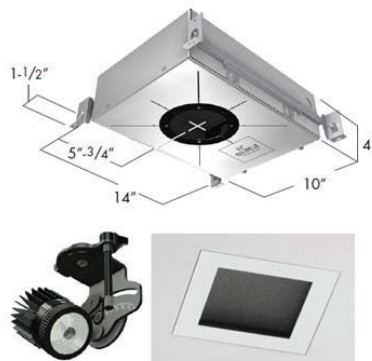
804S-J2S-TW-15T-4000K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 93.7

Color temperature:

4066 K

CIE 1931:

x: 0.377  
y: 0.372

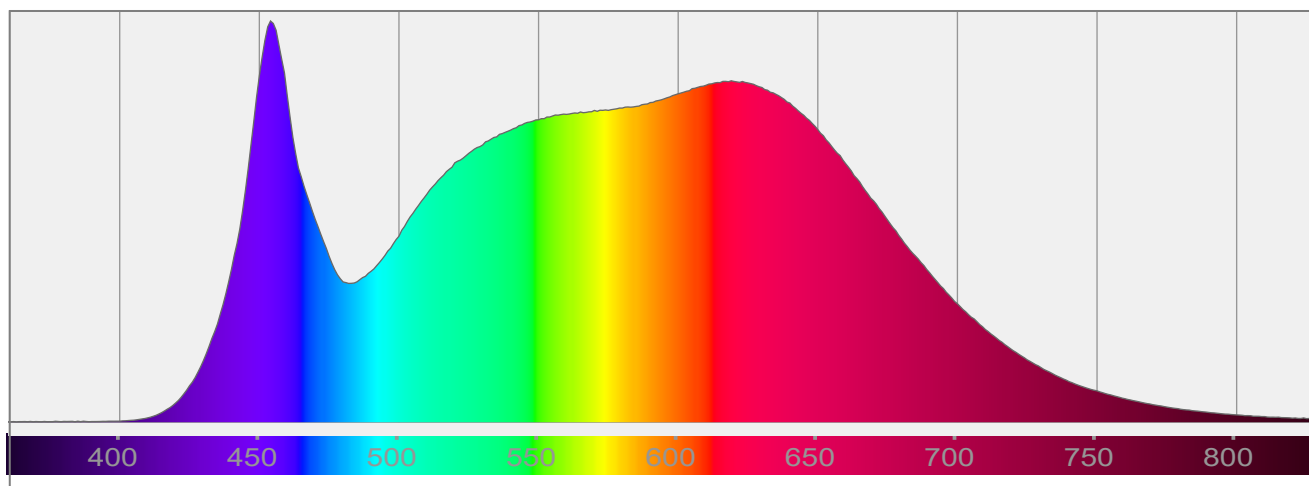
Output: 1108 lm

Peak: 6142 cd

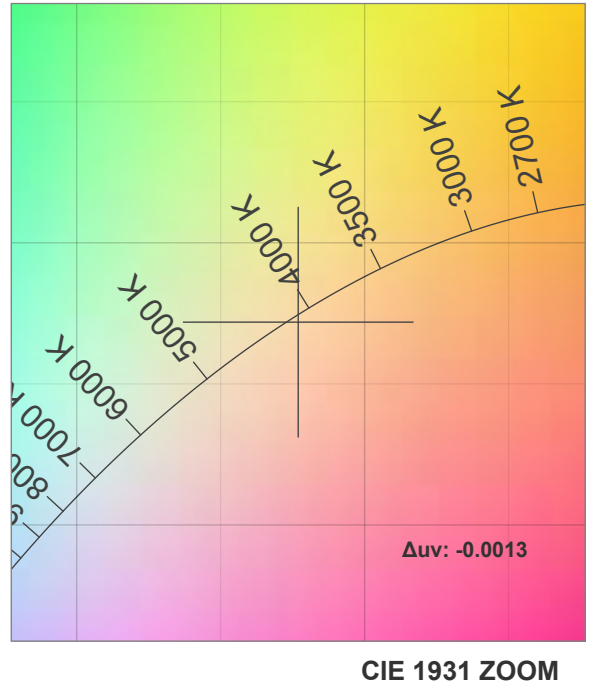
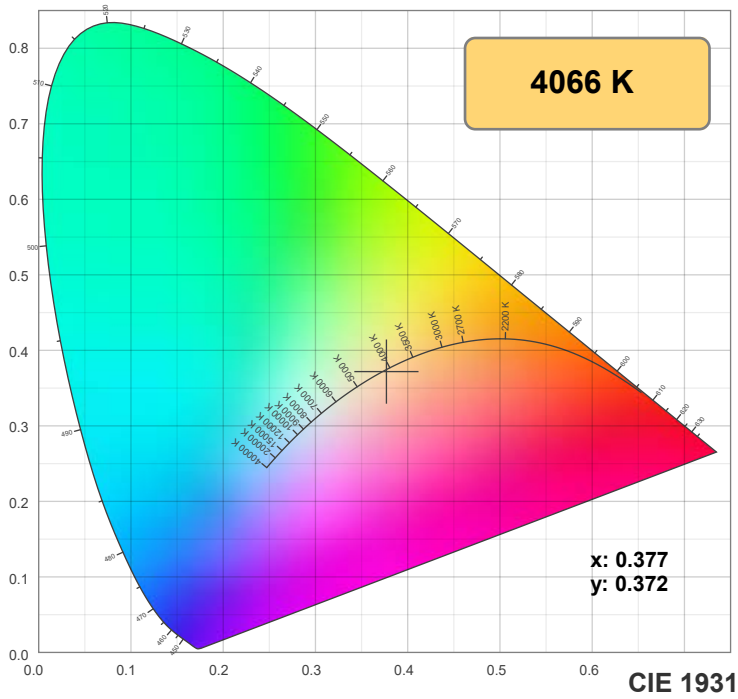
Power: 14.6 W

PF: 0.99

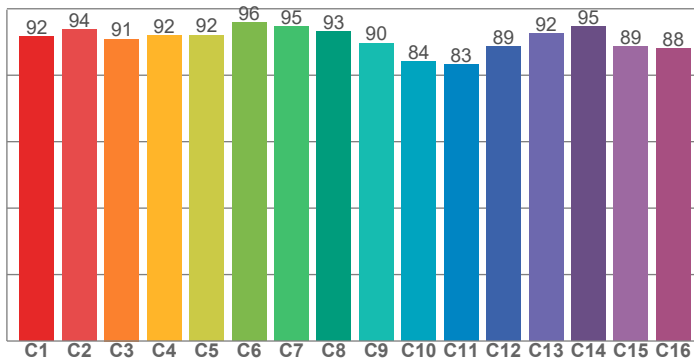
Spectra:



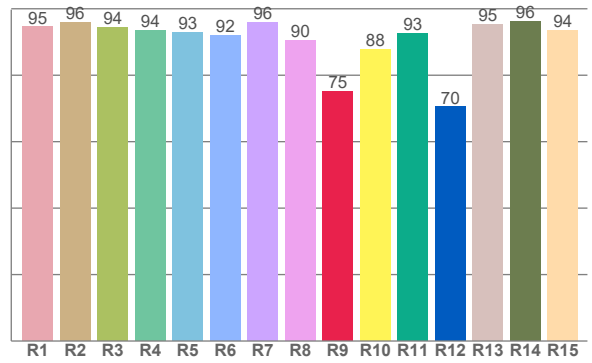
## Color Details



TM-30: 90.5



CRI: 93.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.5	95.9	94.3	93.5	92.8	92.0	95.9	90.3	75.1	87.9	92.6	70.5	95.2	96.3	93.6

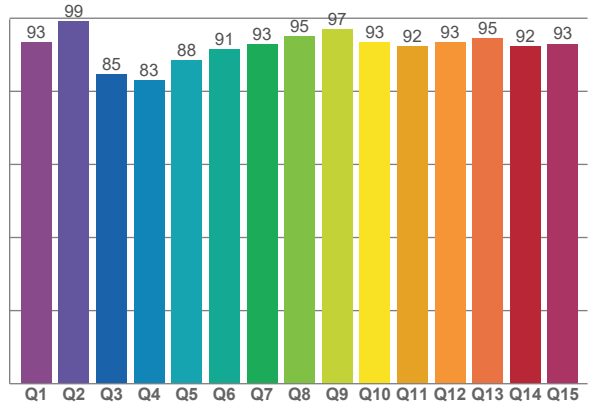
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.7	93.7	90.9	91.9	92.1	95.8	94.6	93.2	89.7	84.1	83.1	88.6	92.4	94.5	88.5	88.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.5	99.2	84.7	83.1	88.5	91.5	93.0	95.1	96.9	93.3	92.3	93.4	94.5	92.4	93.0

CQS: 91.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
4066 K	93.7	75.1	90.5	99.1	91.3	0.377	0.372	0.225	0.333	-0.0013

# TM-30 Details

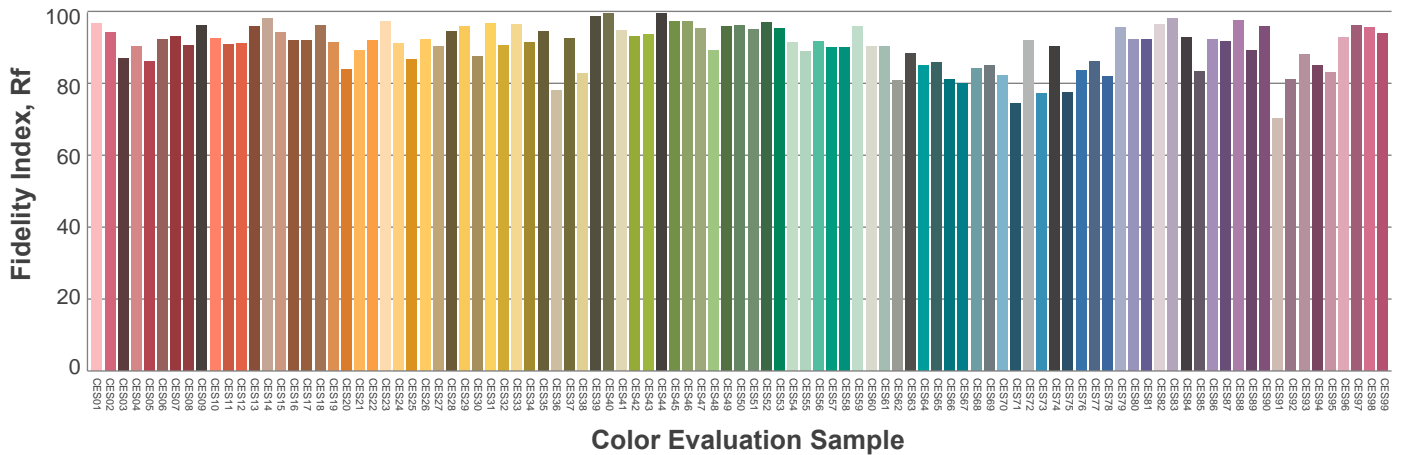
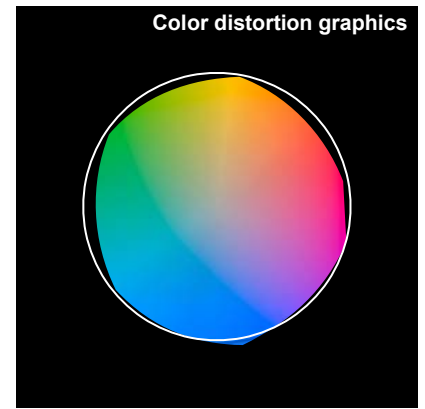
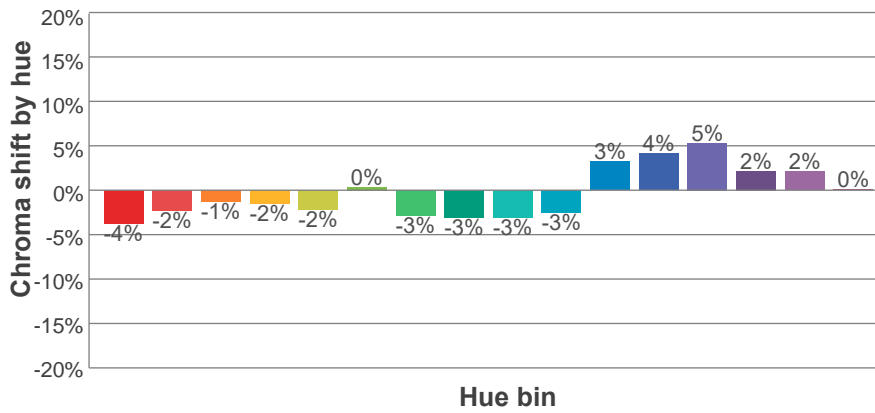
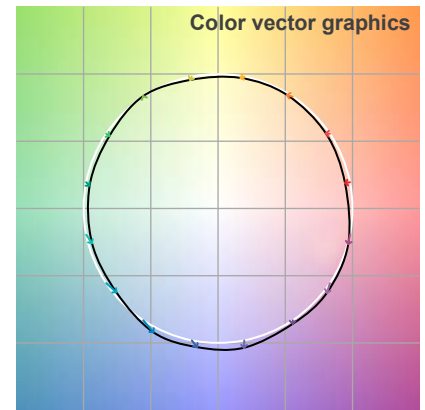
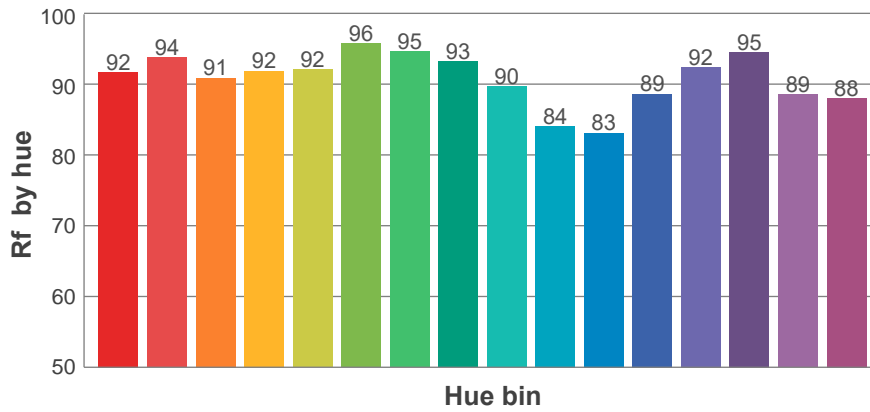
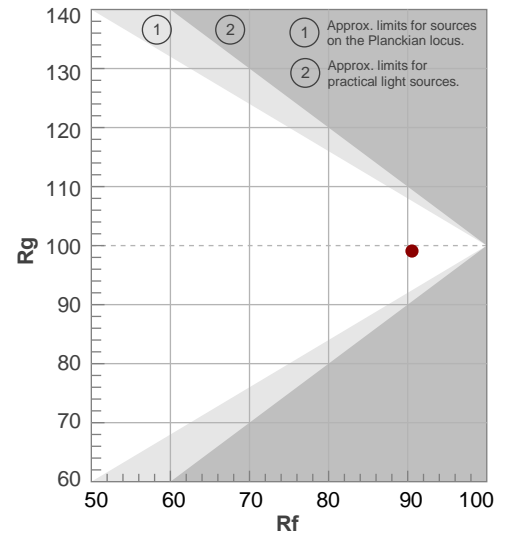
**Rf 90.5**

Fidelity index Rf

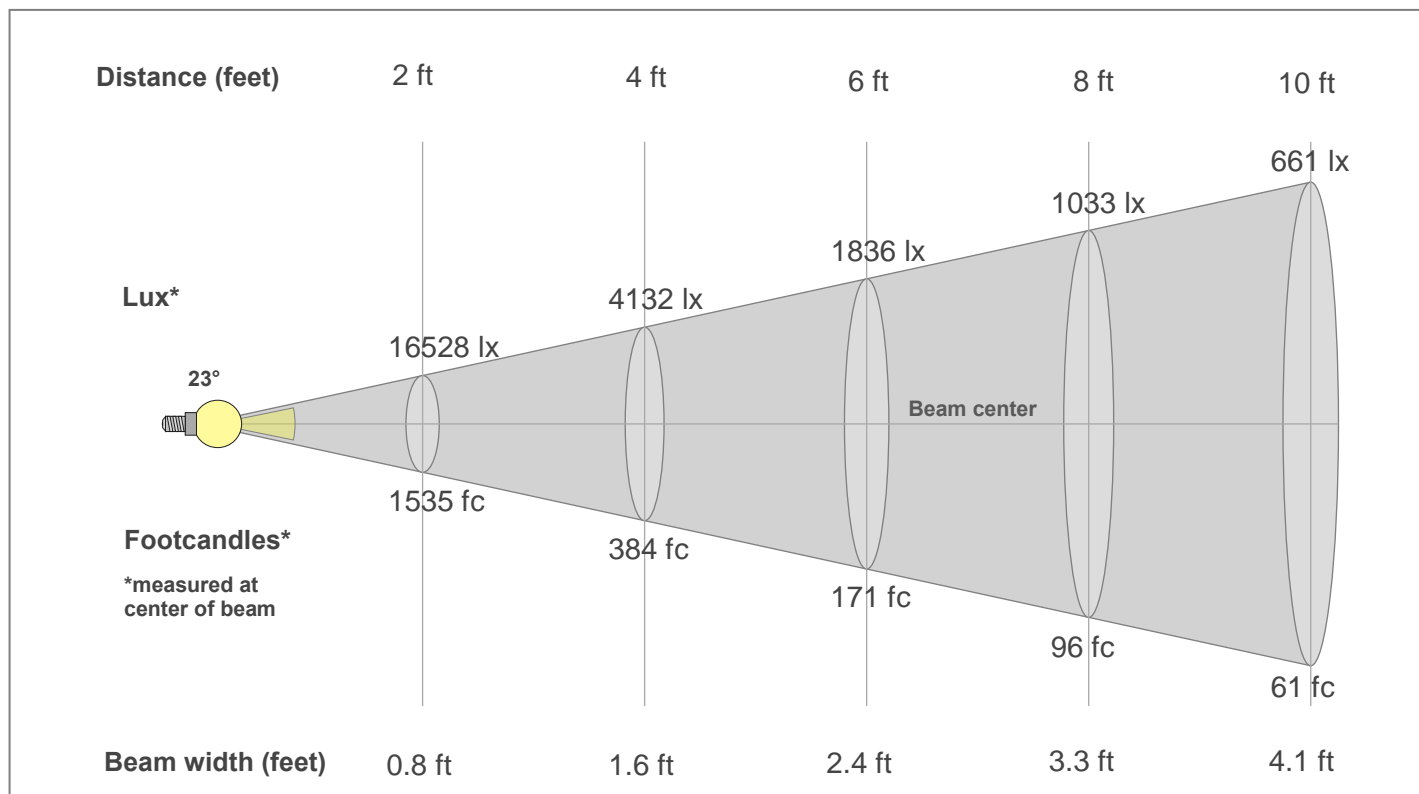
**Rg 99.1**

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%	-1%
14	95	2%	-1%
15	89	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
6142lx	1535lx	682lx	384lx	246lx	171lx	125lx	96lx	76lx	61lx	51lx	43lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
570.6fc	142.6fc	63.4fc	35.7fc	22.8fc	15.8fc	11.6fc	8.9fc	7fc	5.7fc	4.7fc	4fc	3.4fc	2.9fc	2.5fc	2.2fc	2fc	1.8fc	1.6fc	1.4fc

### 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°
6142	6129	6046	5911	5728	5500	5225	4901	4536	4143	3724	3293	2872	2463	2076	1718	1402	1129	903	720
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	61%	54%	47%	40%	34%	28%	23%	18%	15%	12%

### 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°
6142	6129	6046	5911	5728	5500	5225	4901	4536	4143	3724	3293	2872	2463	2076	1718	1402	1129	903	720
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	61%	54%	47%	40%	34%	28%	23%	18%	15%	12%

### 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°
6142	6129	6046	5911	5728	5500	5225	4901	4536	4143	3724	3293	2872	2463	2076	1718	1402	1129	903	720
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	61%	54%	47%	40%	34%	28%	23%	18%	15%	12%

### 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°
6142	6129	6046	5911	5728	5500	5225	4901	4536	4143	3724	3293	2872	2463	2076	1718	1402	1129	903	720
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	61%	54%	47%	40%	34%	28%	23%	18%	15%	12%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23°	39.4°	53.9°	99.7%	99.2%