

Photometric / Colorimetric / Electric Report

Fixture Model:

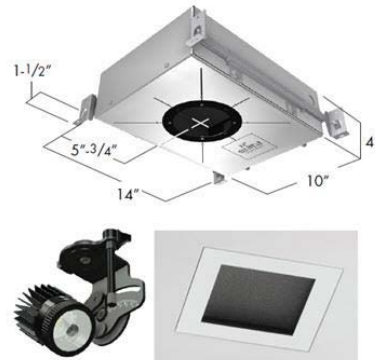
804S-J2S-TW-25-3000K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 95.6

Color temperature:

3030 K

CIE 1931:

**x: 0.428
y: 0.389**

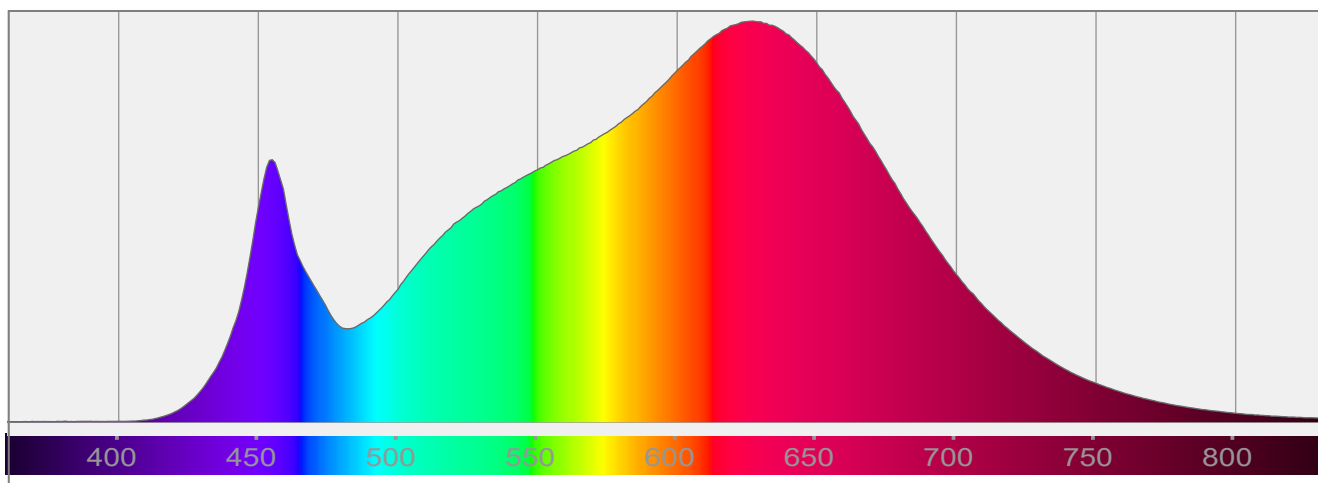
Output: 803 lm

Peak: 2423 cd

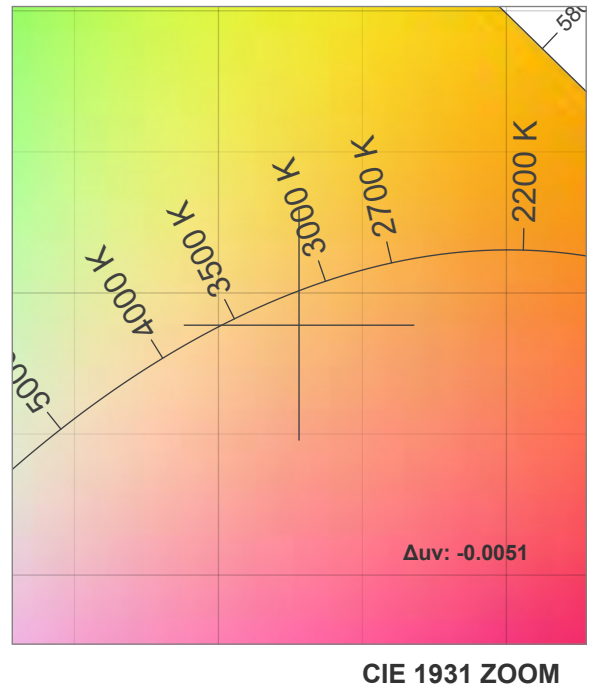
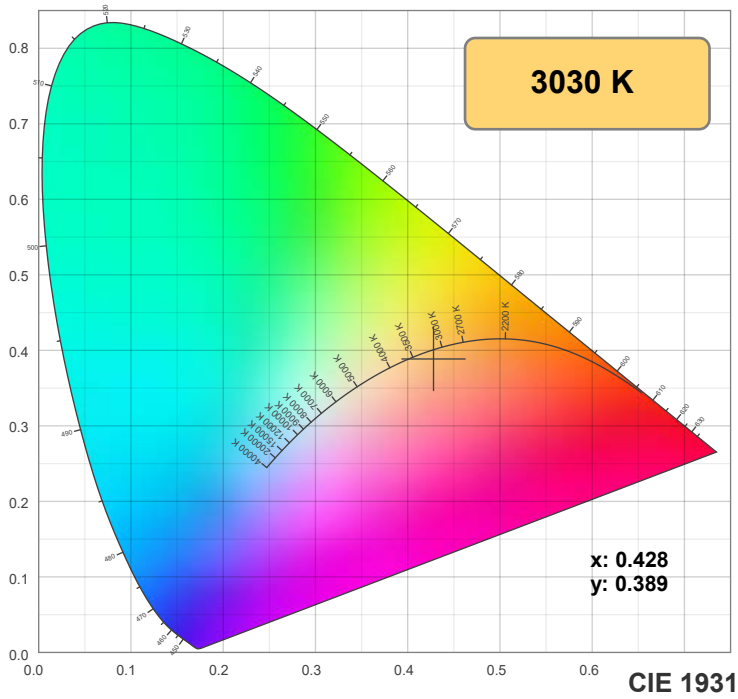
Power: 14.3 W

PF: 0.99

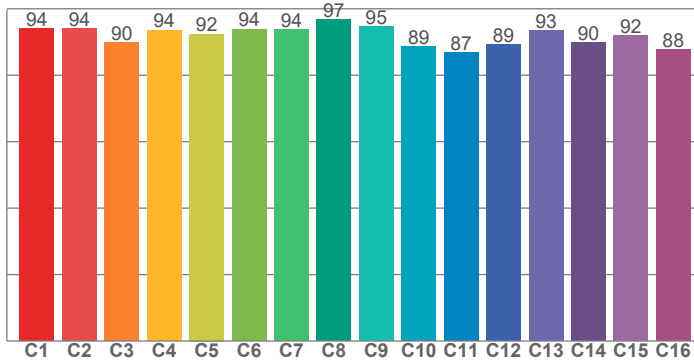
Spectra:



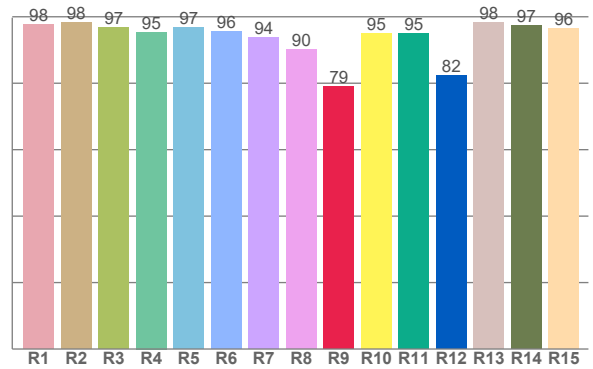
Color Details



TM-30: 92.0



CRI: 95.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.6	98.4	96.8	95.4	96.9	95.7	93.9	90.1	79.1	94.9	95.0	82.2	98.3	97.4	96.5

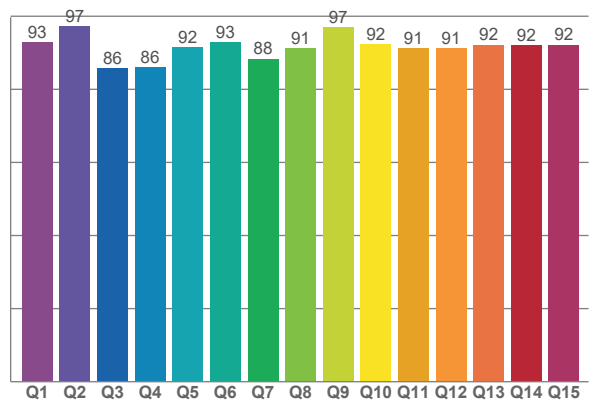
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.0	94.1	89.8	93.6	92.4	93.9	93.7	96.8	94.6	88.5	86.9	89.2	93.4	89.9	92.0	87.6

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	97.4	85.8	86.1	91.6	93.0	88.4	91.3	97.1	92.2	91.2	91.2	92.2	92.0	92.2

CQS: 91.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3030 K	95.6	79.1	92.0	102.0	91.0	0.428	0.389	0.251	0.343	-0.0051

TM-30 Details

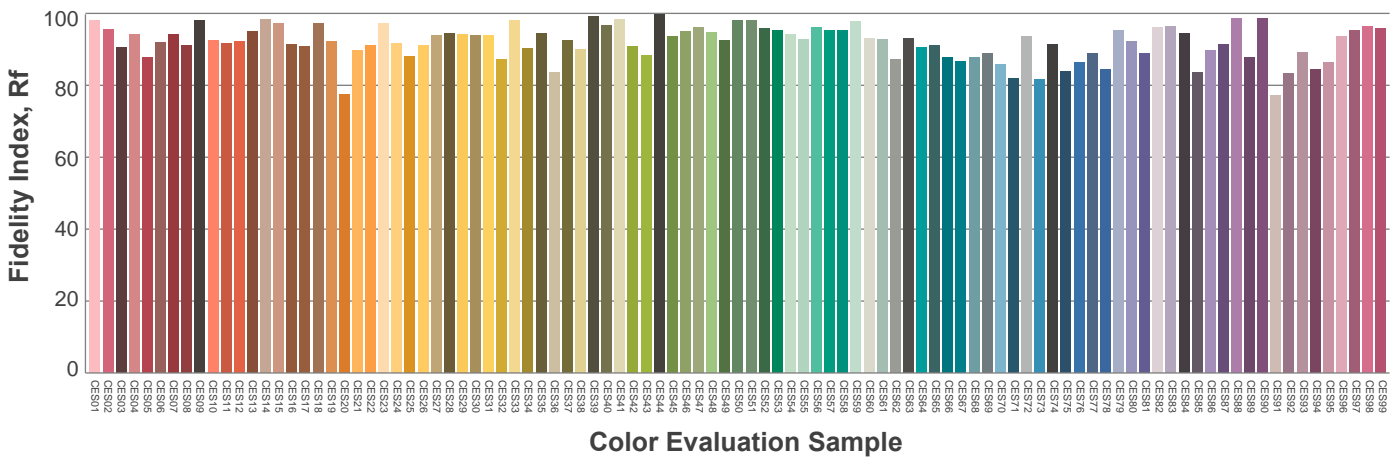
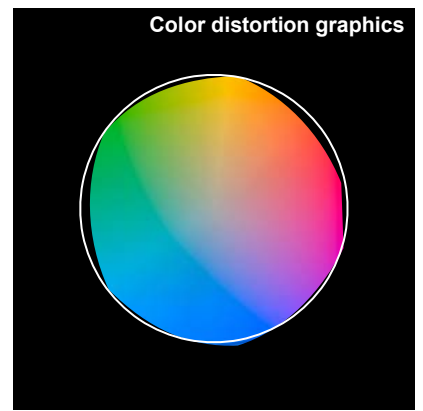
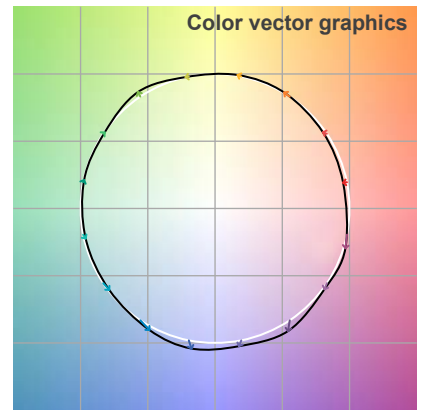
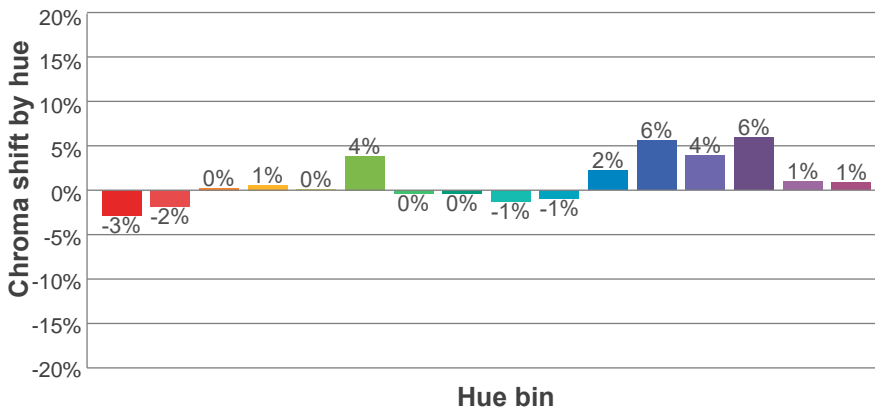
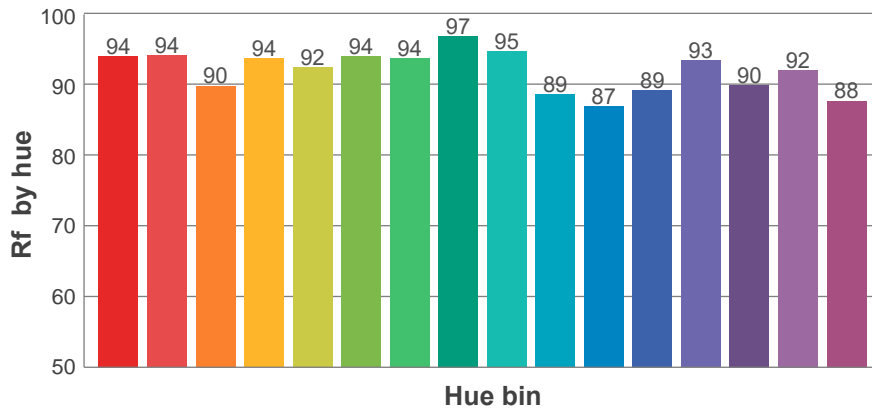
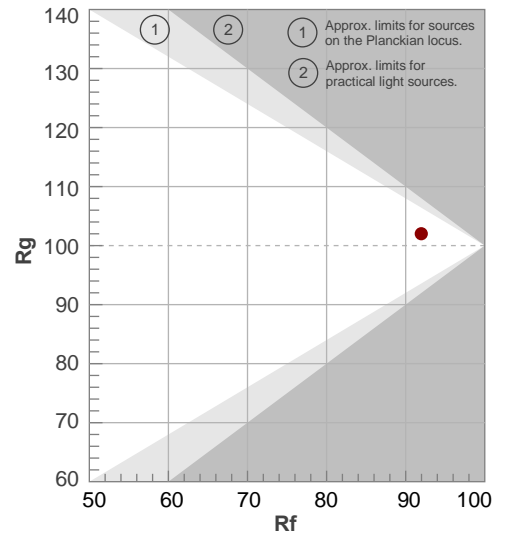
Rf 92.0

Fidelity index R_f

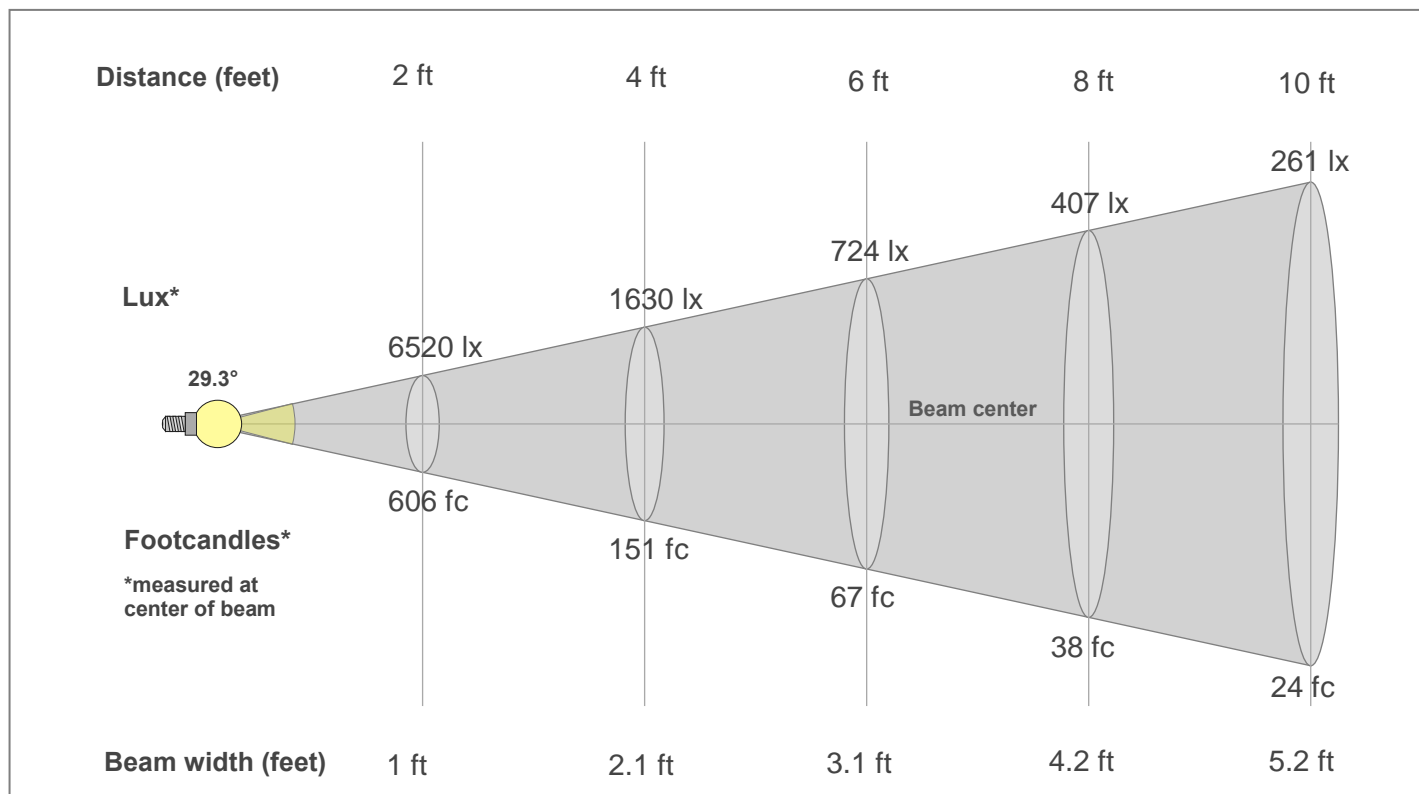
Rg 102.0

Gamut index Rg

		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-3%	0%
2	94	-2%	2%
3	90	0%	5%
4	94	1%	3%
5	92	0%	2%
6	94	4%	0%
7	94	0%	-1%
8	97	0%	-2%
9	95	-1%	3%
10	89	-1%	7%
11	87	2%	10%
12	89	6%	3%
13	93	4%	-2%
14	90	6%	-6%
15	92	1%	-5%
16	88	1%	-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
2423lx	606lx	269lx	151lx	97lx	67lx	49lx	38lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
225.1fc	56.3fc	25fc	14.1fc	9fc	6.3fc	4.6fc	3.5fc	2.8fc	2.3fc	1.9fc	1.6fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

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°
2423	2395	2295	2146	1958	1744	1515	1286	1066	867	692	547	429	335	266	213	172	140	113	87
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2423	2395	2295	2146	1958	1744	1515	1286	1066	867	692	547	429	335	266	213	172	140	113	87
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2423	2395	2295	2146	1958	1744	1515	1286	1066	867	692	547	429	335	266	213	172	140	113	87
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2423	2395	2295	2146	1958	1744	1515	1286	1066	867	692	547	429	335	266	213	172	140	113	87
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.3°	57.7°	80.6°	99.7%	98.7%