

Photometric / Colorimetric / Electric Report

Fixture Model:

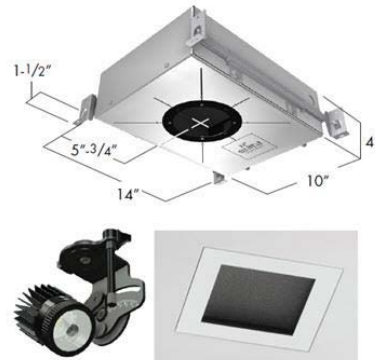
804S-J2S-TW-25-3500K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 95.3

Color temperature:

3599 K

CIE 1931:

**x: 0.397
y: 0.378**

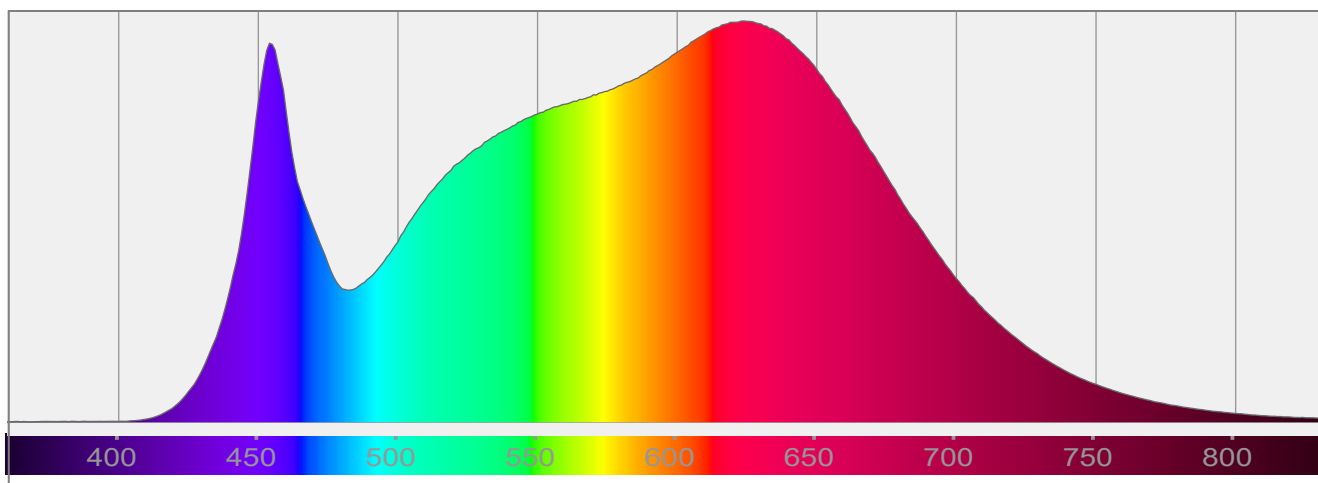
Output: 867 lm

Peak: 2622 cd

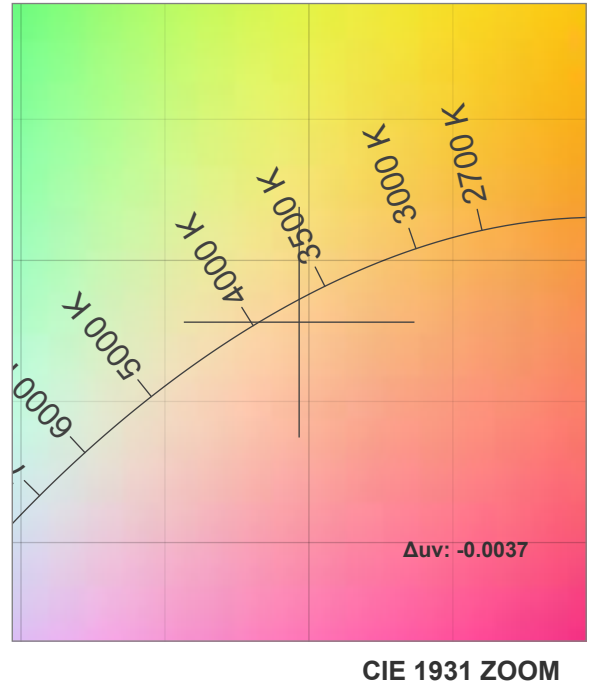
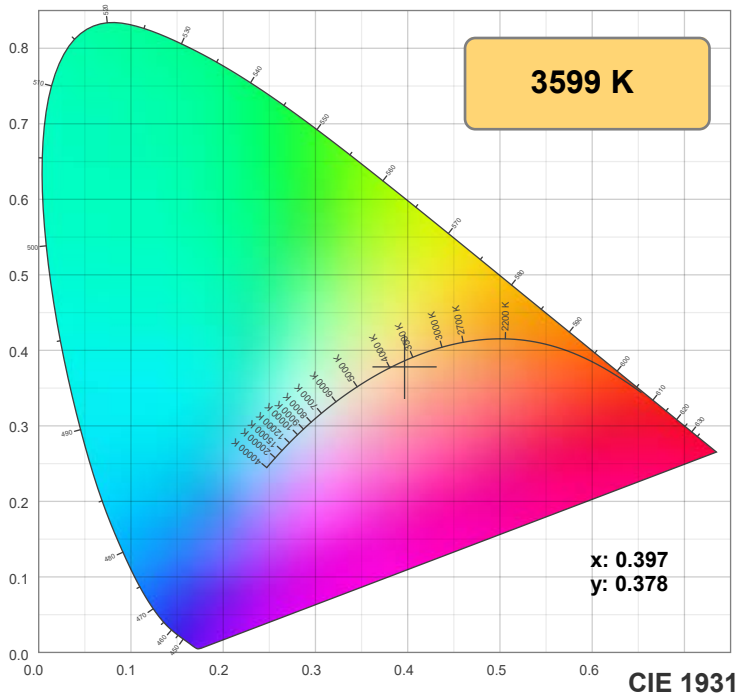
Power: 14.5 W

PF: 0.99

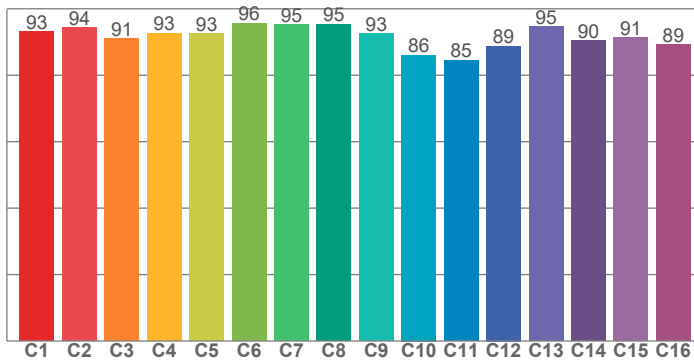
Spectra:



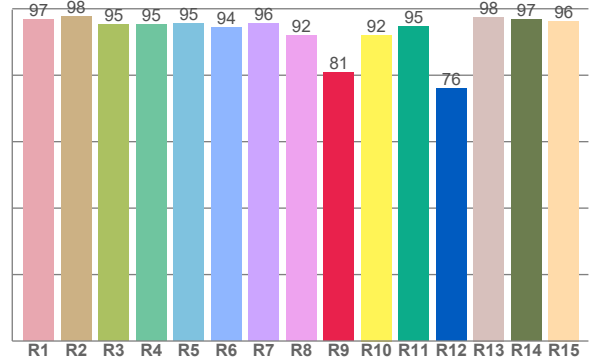
Color Details



TM-30: 91.6



CRI: 95.3 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.9	97.6	95.4	95.3	95.5	94.3	95.6	91.9	80.9	92.1	94.6	76.0	97.5	96.7	96.3

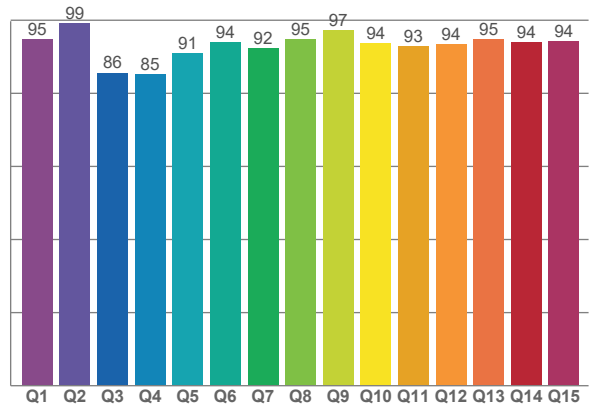
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	94.4	91.1	92.7	92.6	95.7	95.2	95.4	92.6	86.1	84.6	88.8	94.6	90.4	91.2	89.3

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.8	99.3	85.6	85.2	90.9	93.9	92.4	94.9	97.2	93.6	92.8	93.5	94.8	93.9	94.2

CQS: 92.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3599 K	95.3	80.9	91.6	100.5	92.3	0.397	0.378	0.235	0.336	-0.0037

TM-30 Details

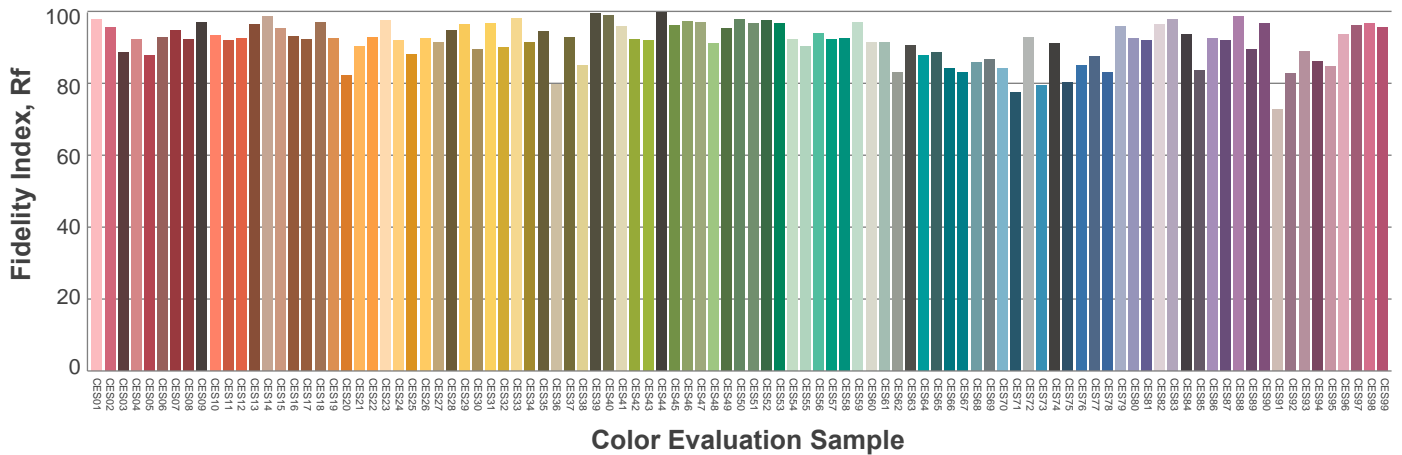
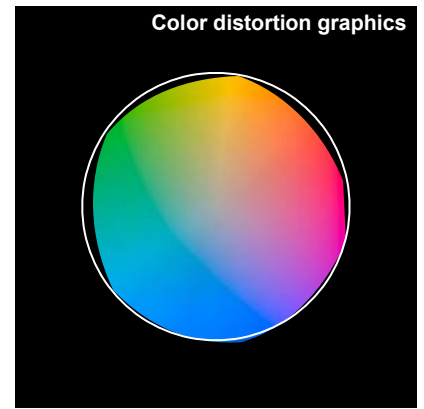
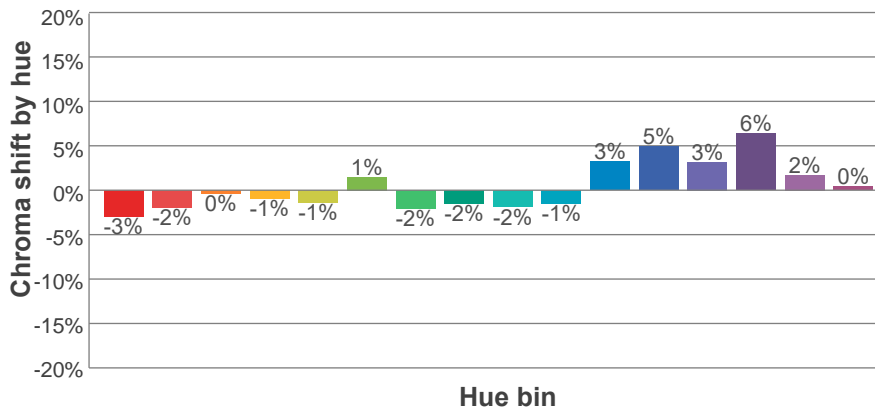
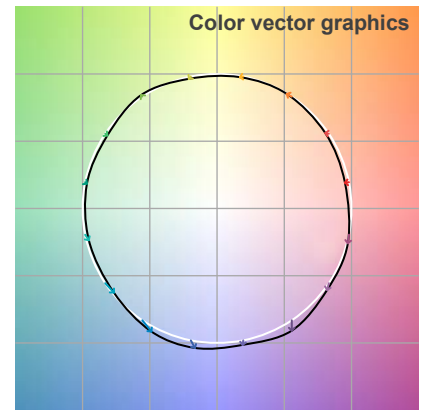
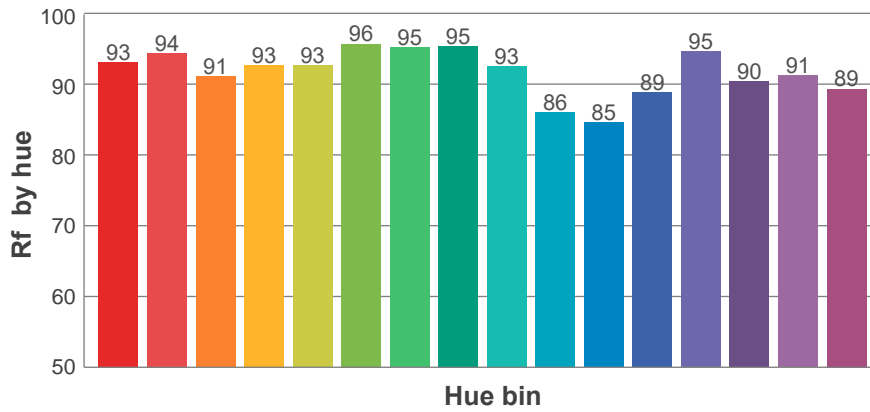
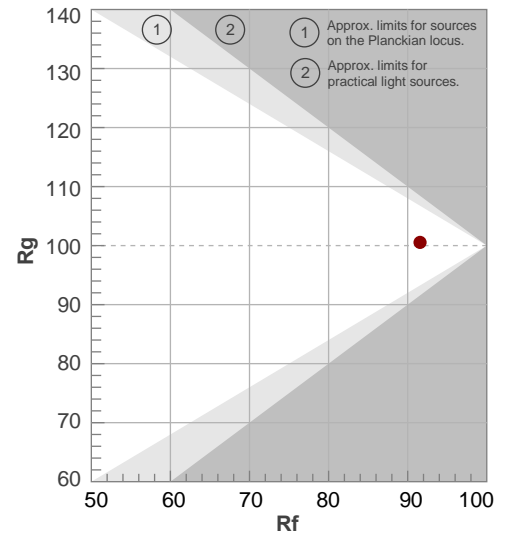
Rf 91.6

Fidelity index Rf

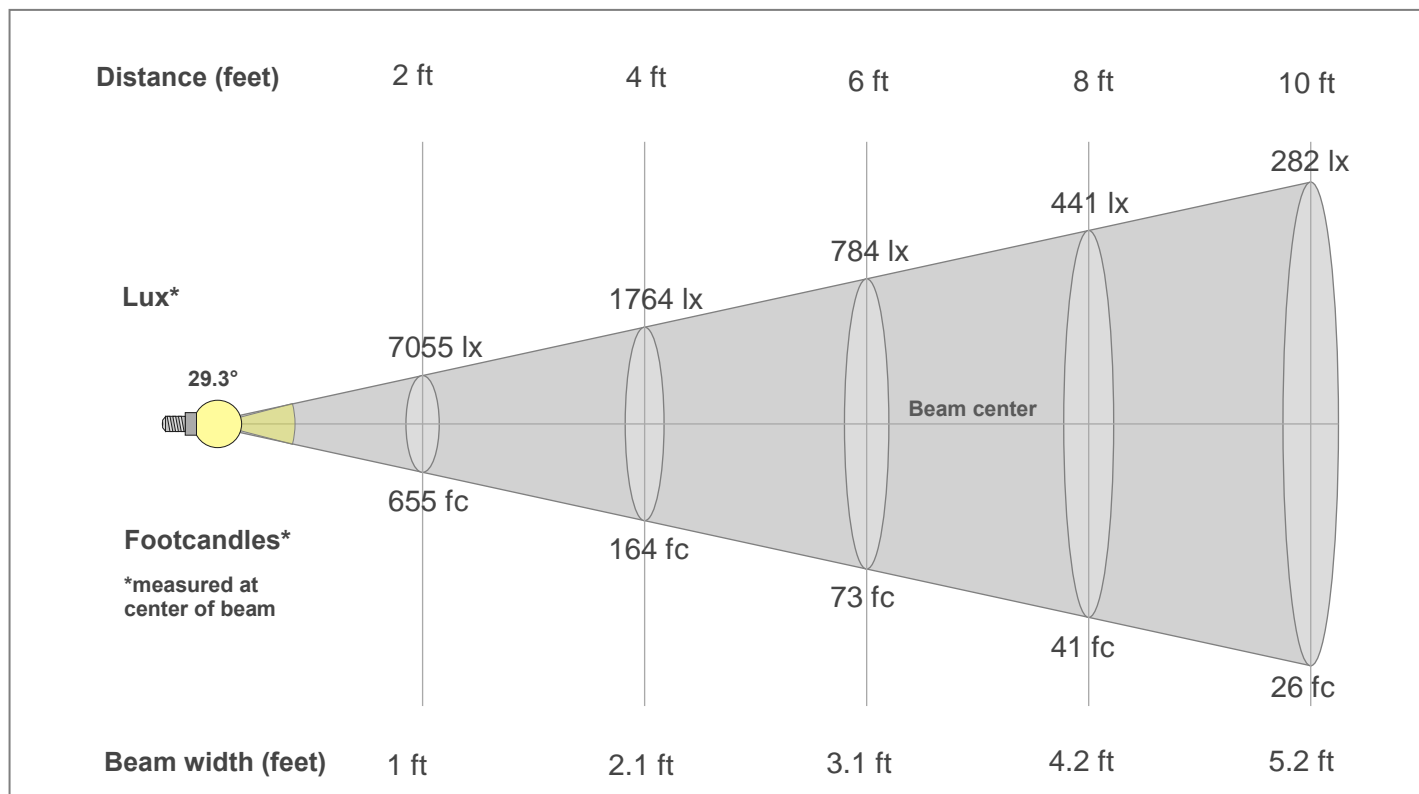
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	94	-2%	2%
3	91	0%	4%
4	93	-1%	2%
5	93	-1%	2%
6	96	1%	0%
7	95	-2%	0%
8	95	-2%	1%
9	93	-2%	5%
10	86	-1%	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
2622lx	655lx	291lx	164lx	105lx	73lx	54lx	41lx	32lx	26lx	22lx	18lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	7lx
243.6fc	60.9fc	27.1fc	15.2fc	9.7fc	6.8fc	5fc	3.8fc	3fc	2.4fc	2fc	1.7fc	1.4fc	1.2fc	1.1fc	1fc	0.8fc	0.8fc	0.7fc	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°
2622	2590	2482	2323	2117	1887	1637	1390	1152	939	752	594	465	362	287	229	185	150	121	93
100%	99%	95%	89%	81%	72%	62%	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°
2622	2590	2482	2323	2117	1887	1637	1390	1152	939	752	594	465	362	287	229	185	150	121	93
100%	99%	95%	89%	81%	72%	62%	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°
2622	2590	2482	2323	2117	1887	1637	1390	1152	939	752	594	465	362	287	229	185	150	121	93
100%	99%	95%	89%	81%	72%	62%	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°
2622	2590	2482	2323	2117	1887	1637	1390	1152	939	752	594	465	362	287	229	185	150	121	93
100%	99%	95%	89%	81%	72%	62%	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°	57.6°	80.4°	99.7%	98.7%