

Photometric / Colorimetric / Electric Report

Fixture Model:

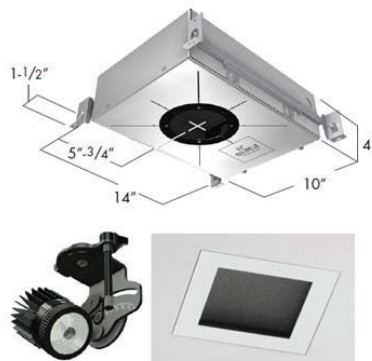
804S-J2S-TW-25-4700K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

1/18/2022



Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 91.9

Color temperature:

4807 K

CIE 1931:

x: 0.352
y: 0.361

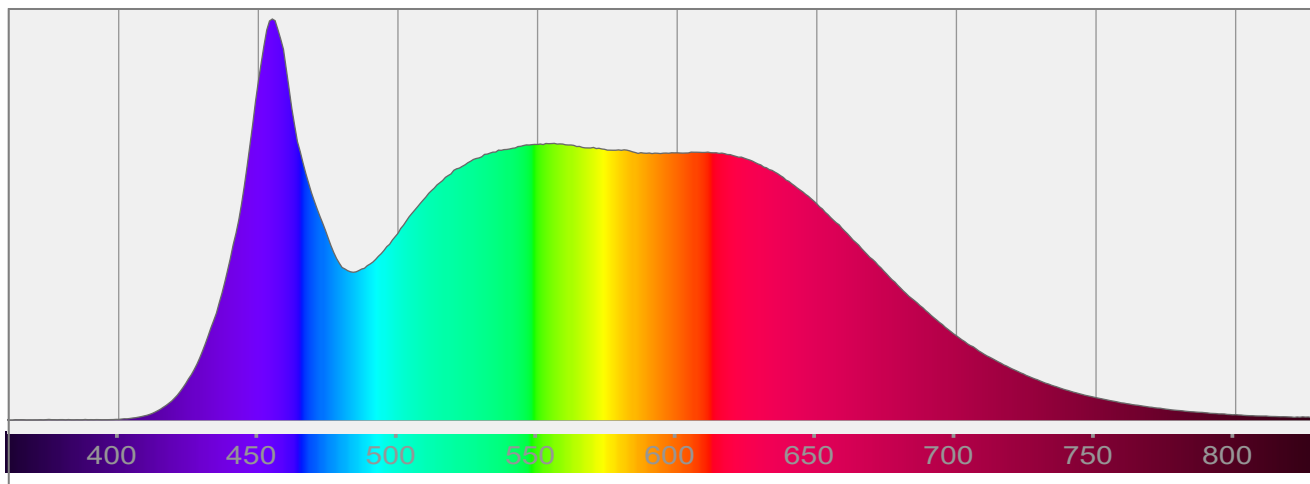
Output: 856 lm

Peak: 2720 cd

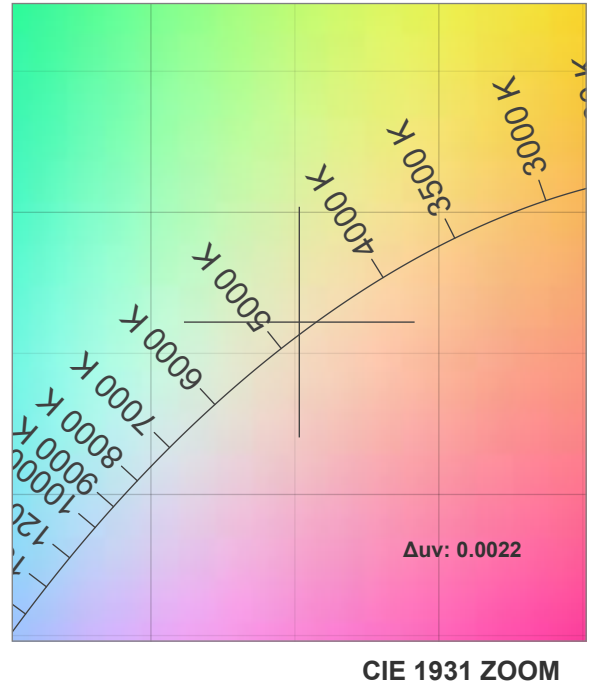
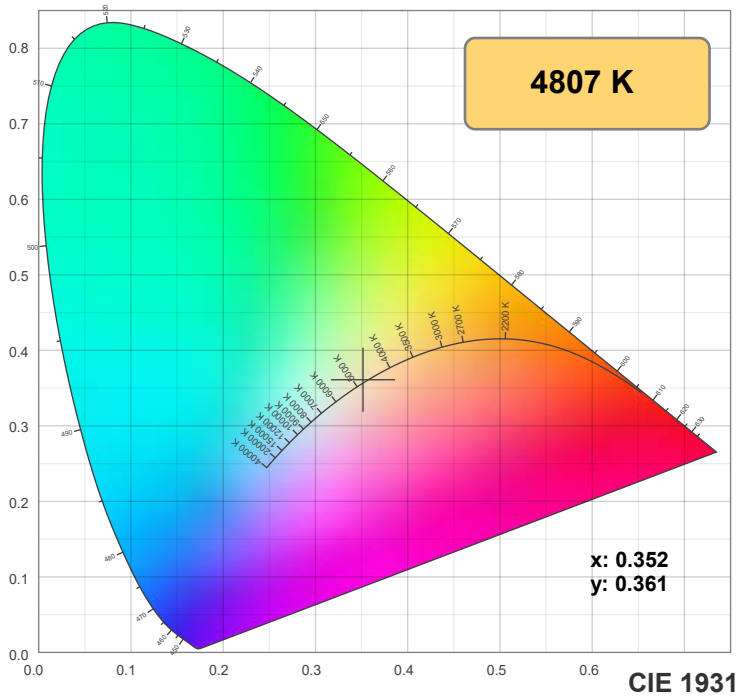
Power: 14.4 W

PF: 0.99

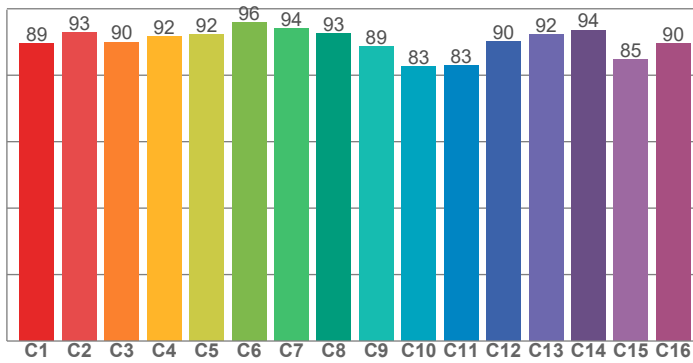
Spectra:



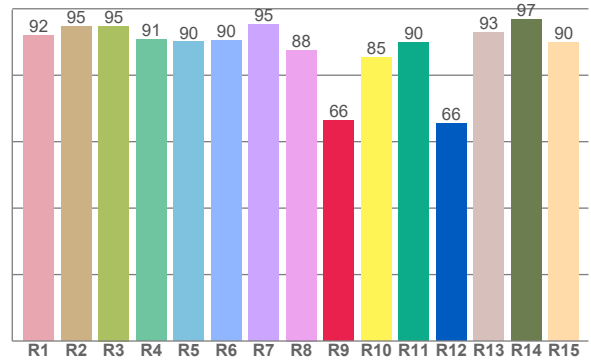
Color Details



TM-30: 90.0



CRI: 91.9 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.0	94.7	94.8	90.6	90.0	90.5	95.3	87.6	66.5	85.4	89.8	65.5	92.9	96.9	89.8

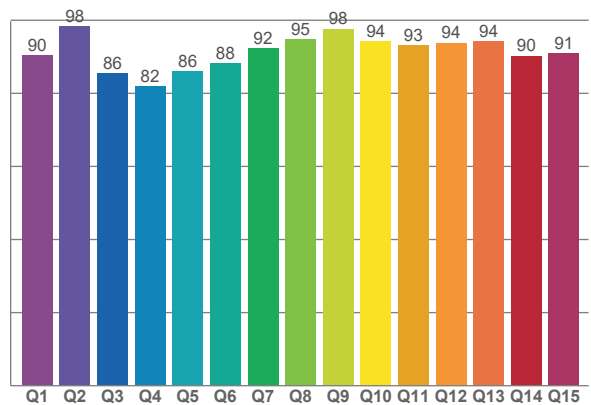
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.4	92.9	90.0	91.7	92.3	95.8	94.1	92.6	88.6	82.7	83.0	90.0	92.2	93.6	84.7	89.6

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.5	98.4	85.6	81.9	86.0	88.2	92.3	94.8	97.7	94.3	93.0	93.8	94.3	90.3	91.0

CQS: 90.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4807 K	91.9	66.5	90.0	98.2	90.4	0.352	0.361	0.212	0.327	0.0022

TM-30 Details

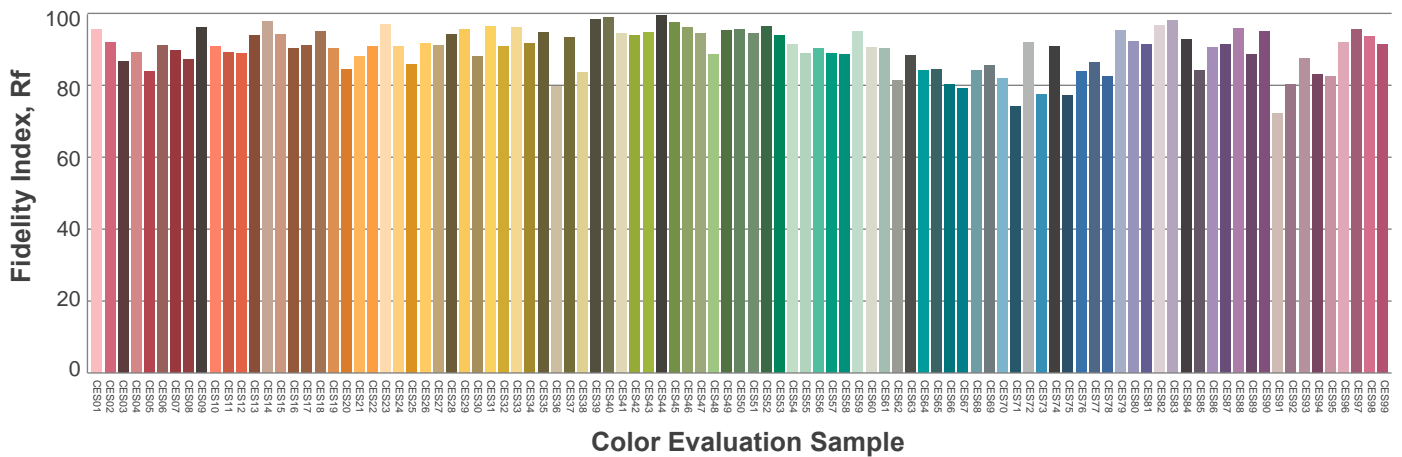
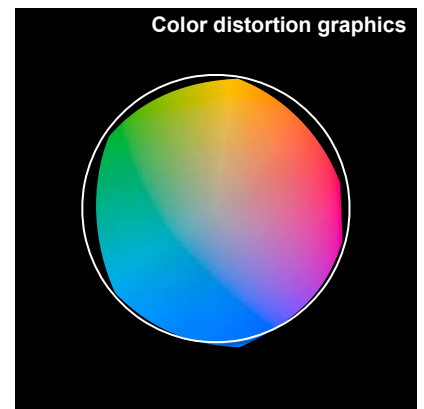
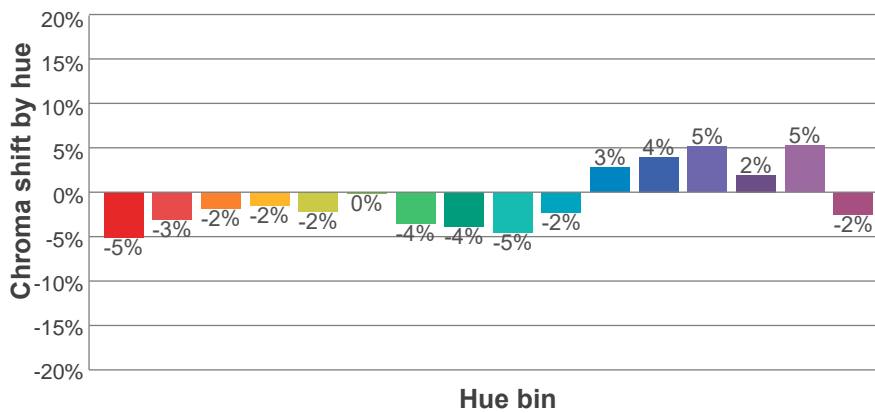
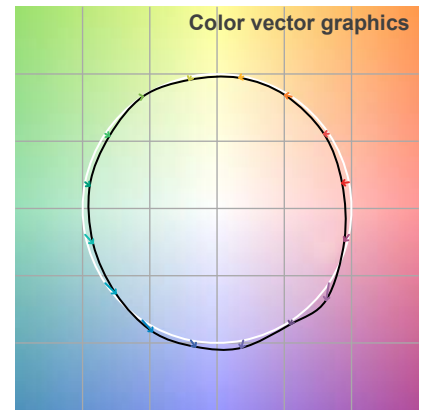
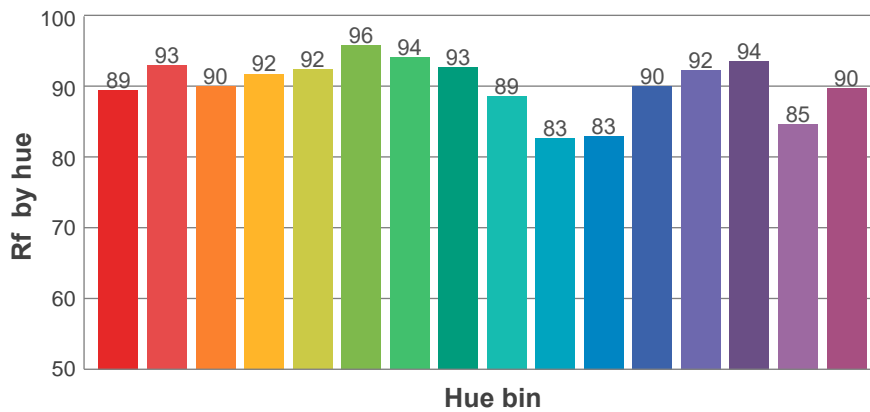
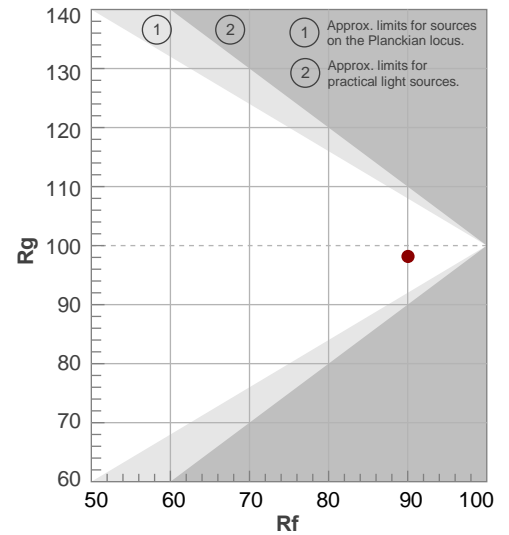
Rf 90.0

Fidelity index Rf

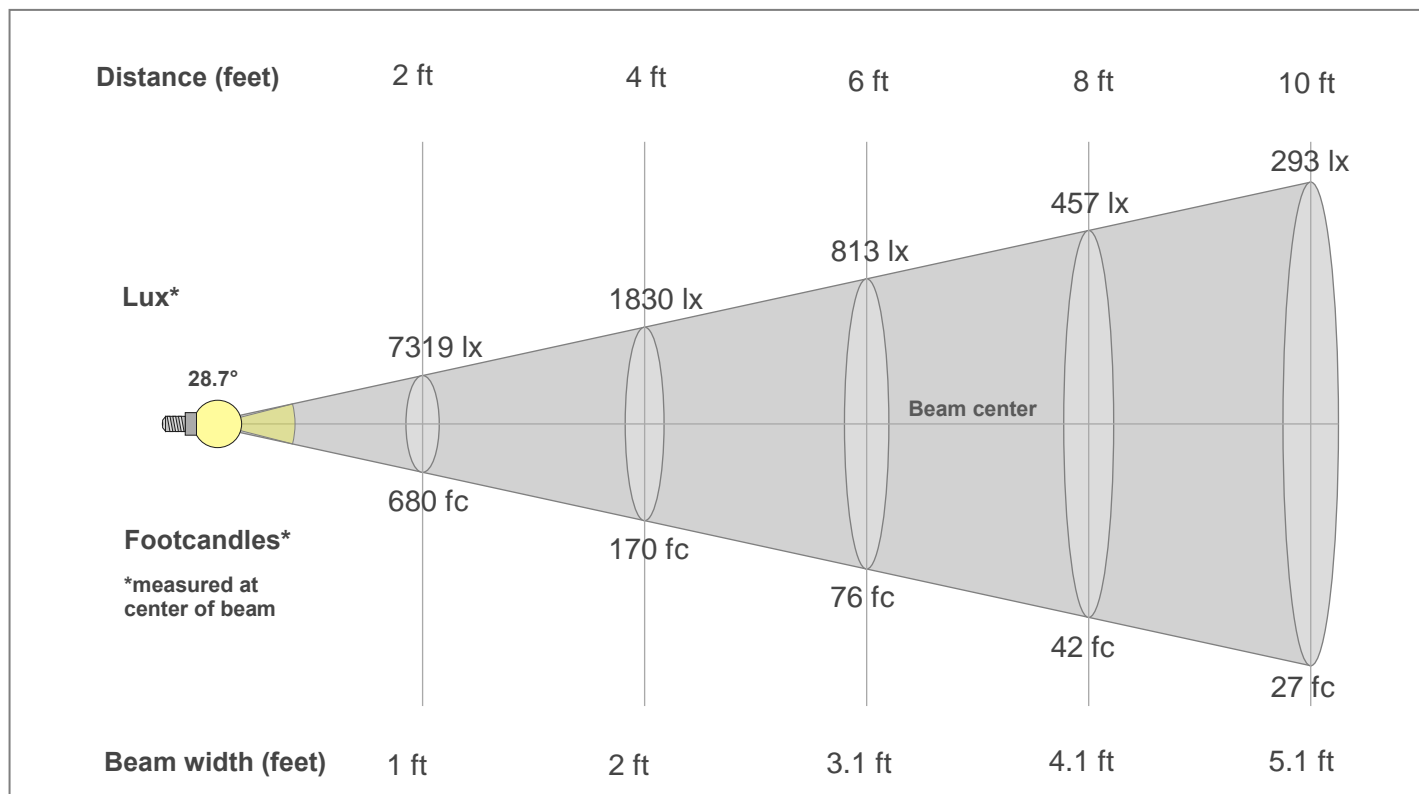
Rg 98.2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-5%	0%
2	93	-3%	2%
3	90	-2%	5%
4	92	-2%	3%
5	92	-2%	2%
6	96	0%	0%
7	94	-4%	0%
8	93	-4%	2%
9	89	-5%	7%
10	83	-2%	11%
11	83	3%	11%
12	90	4%	4%
13	92	5%	-3%
14	94	2%	-3%
15	85	5%	-12%
16	90	-2%	-5%



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
2720lx	680lx	302lx	170lx	109lx	76lx	56lx	42lx	34lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx	7lx
252.7fc	63.2fc	28.1fc	15.8fc	10.1fc	7fc	5.2fc	3.9fc	3.1fc	2.5fc	2.1fc	1.8fc	1.5fc	1.3fc	1.1fc	1fc	0.9fc	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°
2720	2683	2566	2391	2172	1928	1669	1408	1156	929	733	568	442	344	271	217	176	144	115	86
100%	99%	94%	88%	80%	71%	61%	52%	43%	34%	27%	21%	16%	13%	10%	8%	6%	5%	4%	3%

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°
2720	2683	2566	2391	2172	1928	1669	1408	1156	929	733	568	442	344	271	217	176	144	115	86
100%	99%	94%	88%	80%	71%	61%	52%	43%	34%	27%	21%	16%	13%	10%	8%	6%	5%	4%	3%

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°
2720	2683	2566	2391	2172	1928	1669	1408	1156	929	733	568	442	344	271	217	176	144	115	86
100%	99%	94%	88%	80%	71%	61%	52%	43%	34%	27%	21%	16%	13%	10%	8%	6%	5%	4%	3%

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°
2720	2683	2566	2391	2172	1928	1669	1408	1156	929	733	568	442	344	271	217	176	144	115	86
100%	99%	94%	88%	80%	71%	61%	52%	43%	34%	27%	21%	16%	13%	10%	8%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
28.7°	56°	78.5°	99.6%	98.9%