

Photometric / Colorimetric / Electric Report

Fixture Model:

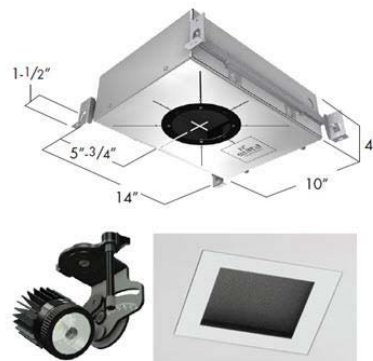
804S-J2S-TW-15T-2200K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 91.6

Color temperature:

2230 K

CIE 1931:

**x: 0.500
y: 0.411**

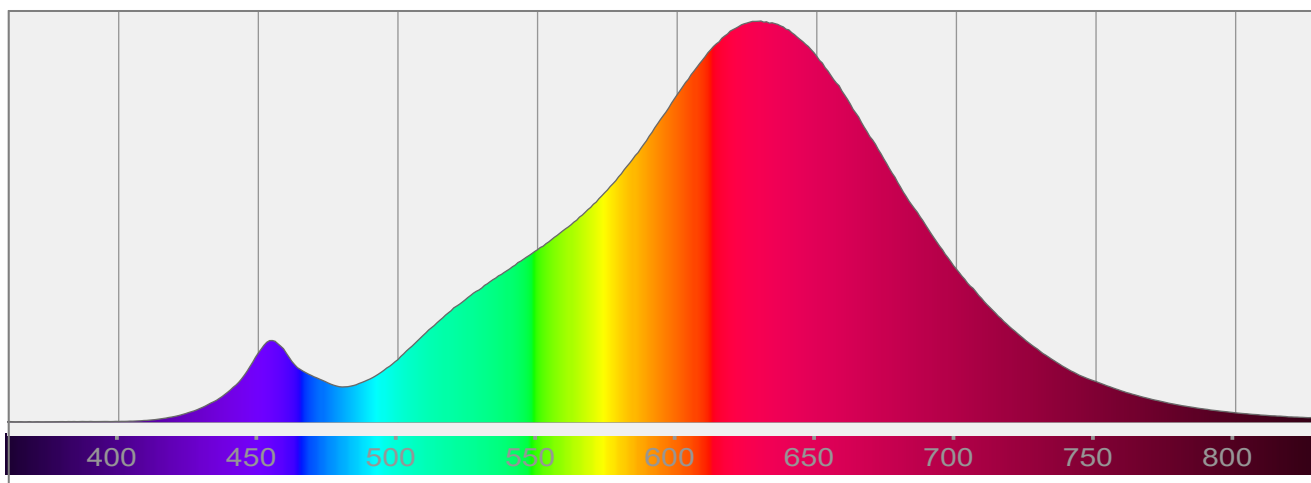
Output: 803 lm

Peak: 4447 cd

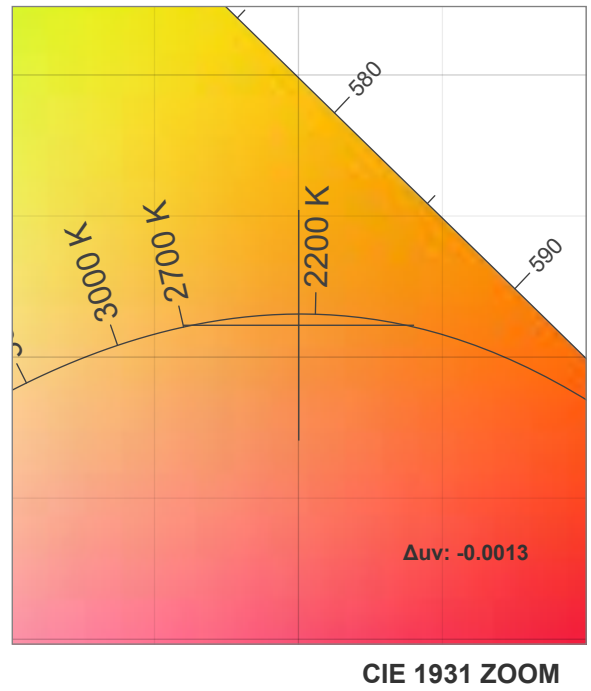
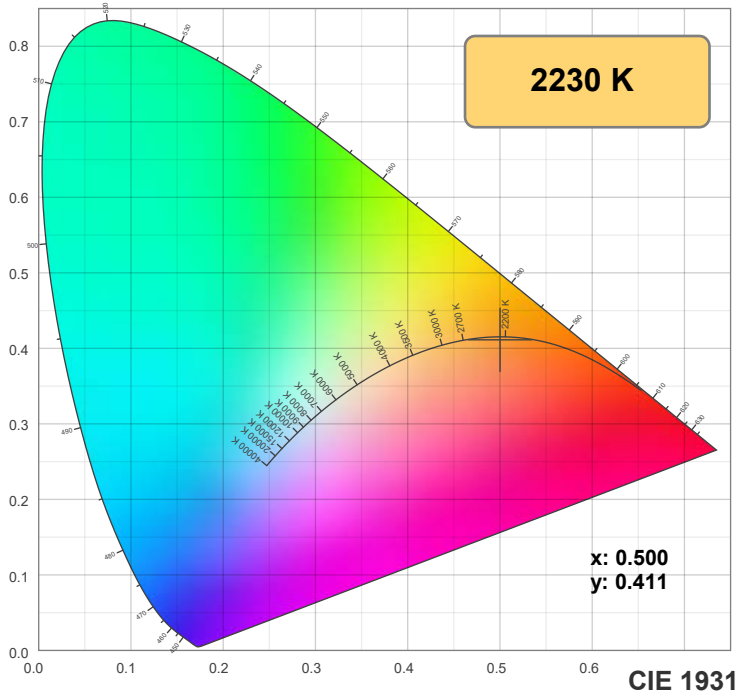
Power: 14.2 W

PF: 0.99

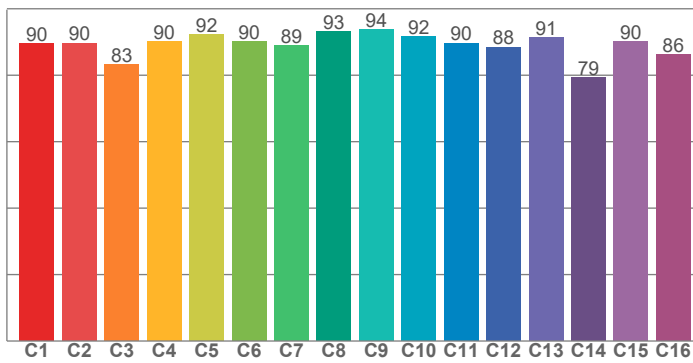
Spectra:



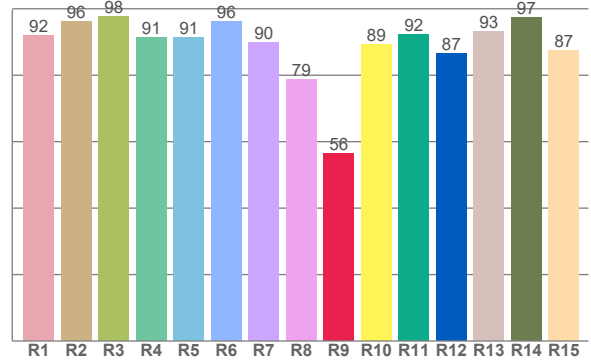
Color Details



TM-30: 89.6



CRI: 91.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.9	96.1	97.6	91.3	91.3	96.1	89.9	78.6	56.4	89.3	92.1	86.7	93.1	97.4	87.3

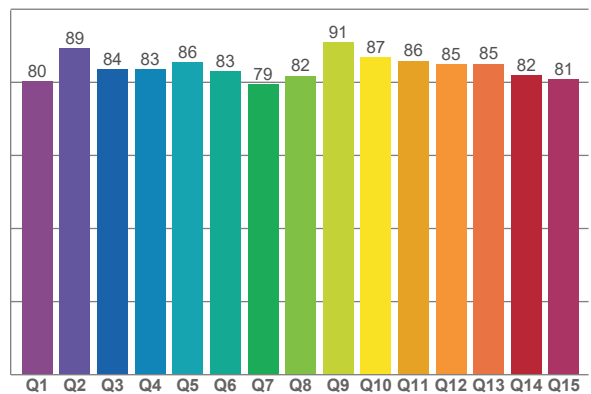
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.6	89.7	83.1	90.0	92.1	90.2	88.9	93.1	93.8	91.6	89.7	88.5	91.3	79.4	90.2	86.3

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.4	89.3	83.6	83.5	85.5	82.9	79.4	81.8	90.9	87.0	85.9	84.9	85.1	82.0	80.9

CQS: 83.6



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2230 K	91.6	56.4	89.6	102.4	83.6	0.500	0.411	0.288	0.356	-0.0013

TM-30 Details

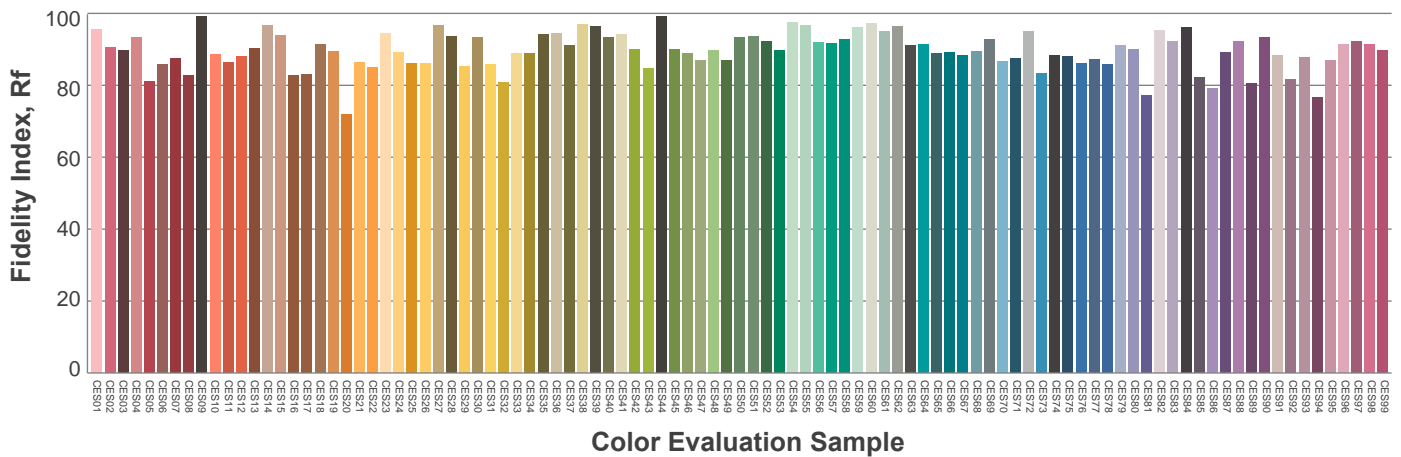
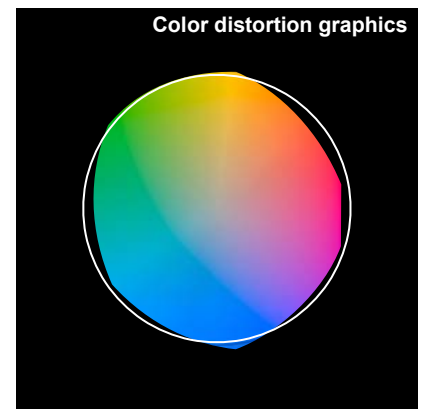
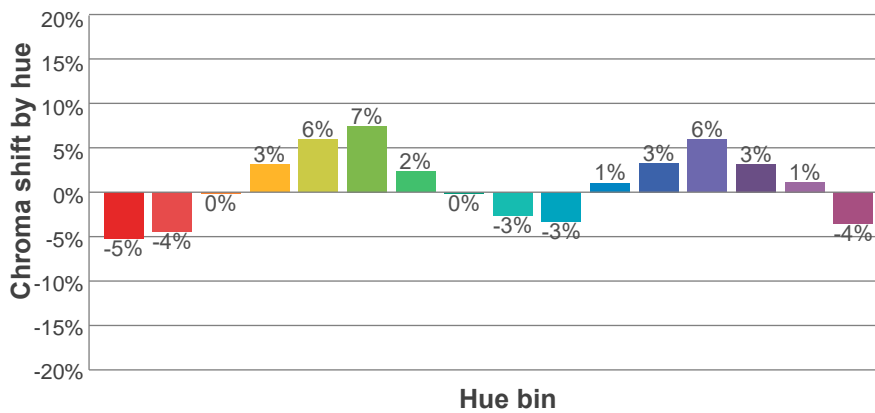
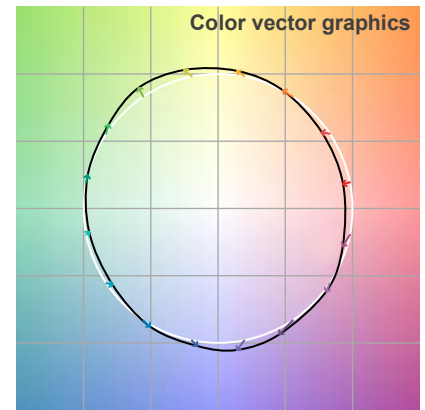
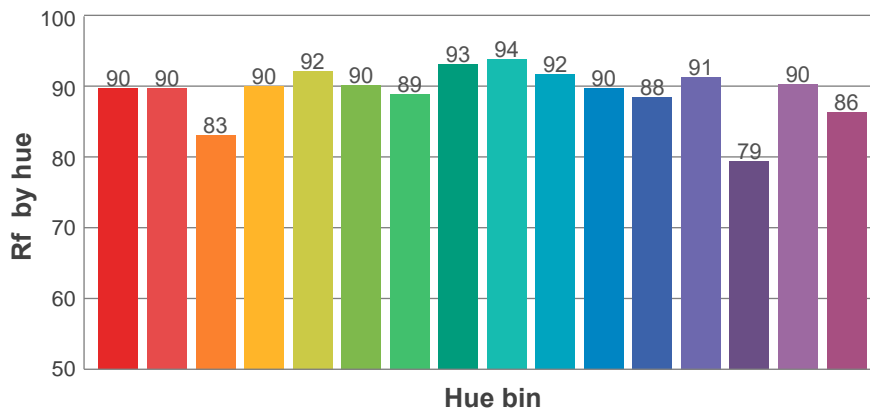
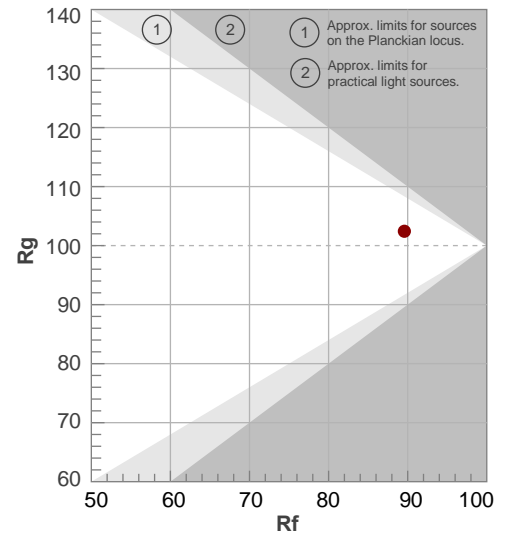
Rf 89.6

Fidelity index Rf

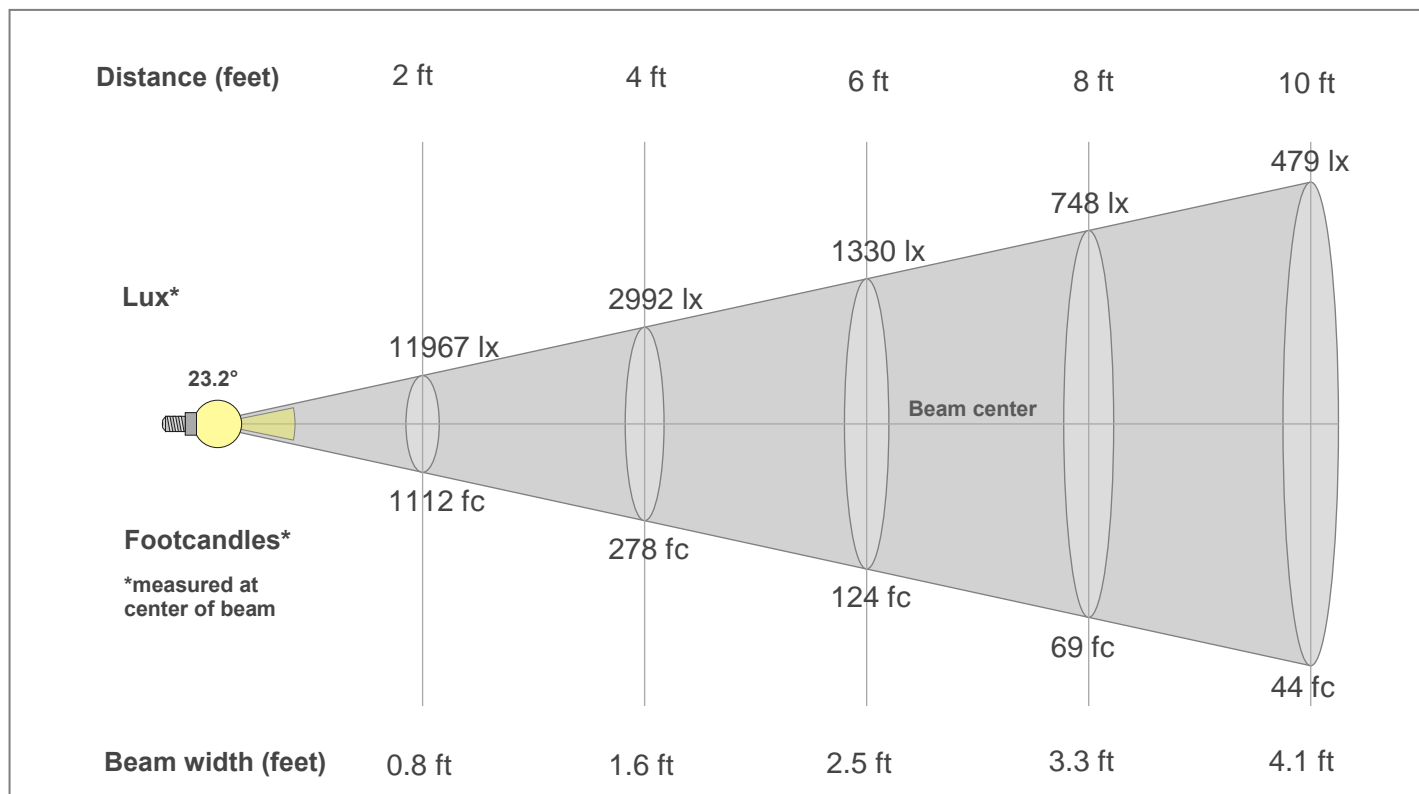
Rg 102.4

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	90	-4%	4%
3	83	0%	9%
4	90	3%	6%
5	92	6%	4%
6	90	7%	-1%
7	89	2%	-7%
8	93	0%	-5%
9	94	-3%	-2%
10	92	-3%	4%
11	90	1%	7%
12	88	3%	5%
13	91	6%	-7%
14	79	3%	-14%
15	90	1%	-7%
16	86	-4%	-9%



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
4447lx	1112lx	494lx	278lx	178lx	124lx	91lx	69lx	55lx	44lx	37lx	31lx	26lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx
413.1fc	103.3fc	45.9fc	25.8fc	16.5fc	11.5fc	8.4fc	6.5fc	5.1fc	4.1fc	3.4fc	2.9fc	2.4fc	2.1fc	1.8fc	1.6fc	1.4fc	1.3fc	1.1fc	1fc

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°
4447	4429	4375	4276	4140	3975	3781	3551	3293	3012	2712	2400	2096	1800	1519	1257	1030	833	665	527
100%	100%	98%	96%	93%	89%	85%	80%	74%	68%	61%	54%	47%	40%	34%	28%	23%	19%	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°
4447	4429	4375	4276	4140	3975	3781	3551	3293	3012	2712	2400	2096	1800	1519	1257	1030	833	665	527
100%	100%	98%	96%	93%	89%	85%	80%	74%	68%	61%	54%	47%	40%	34%	28%	23%	19%	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°
4447	4429	4375	4276	4140	3975	3781	3551	3293	3012	2712	2400	2096	1800	1519	1257	1030	833	665	527
100%	100%	98%	96%	93%	89%	85%	80%	74%	68%	61%	54%	47%	40%	34%	28%	23%	19%	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°
4447	4429	4375	4276	4140	3975	3781	3551	3293	3012	2712	2400	2096	1800	1519	1257	1030	833	665	527
100%	100%	98%	96%	93%	89%	85%	80%	74%	68%	61%	54%	47%	40%	34%	28%	23%	19%	15%	12%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.2°	39.5°	53.6°	99.8%	99.4%