

Photometric / Colorimetric / Electric Report

Fixture Model:

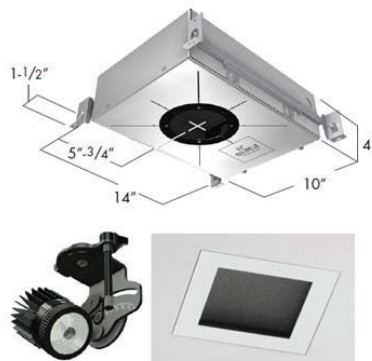
804S-J2S-TW-40-2700K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 95.0

Color temperature:

2748 K

CIE 1931:

x: 0.448
y: 0.395

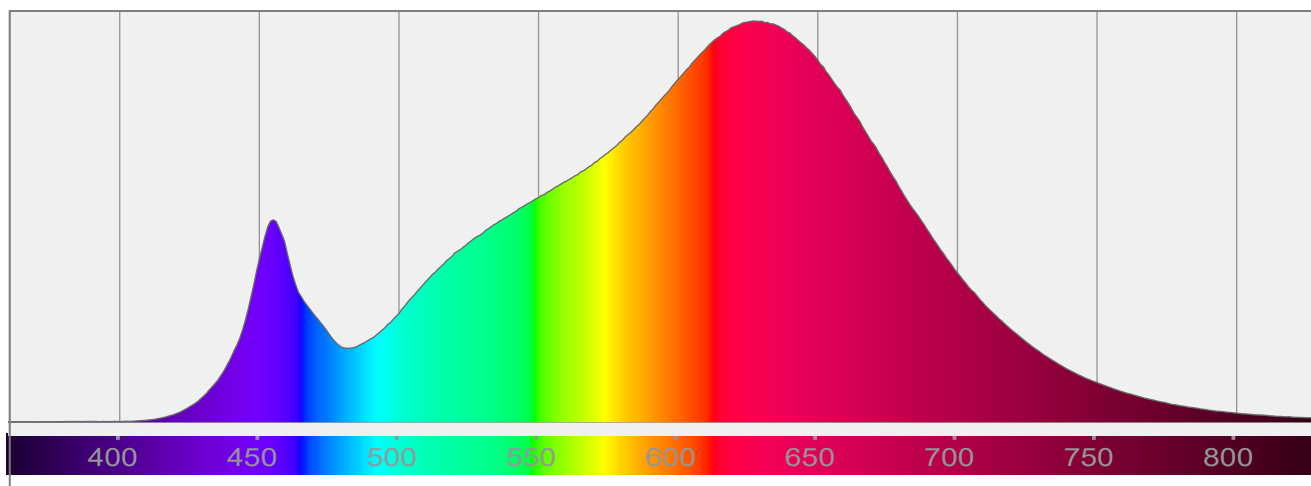
Output: 819 lm

Peak: 1607 cd

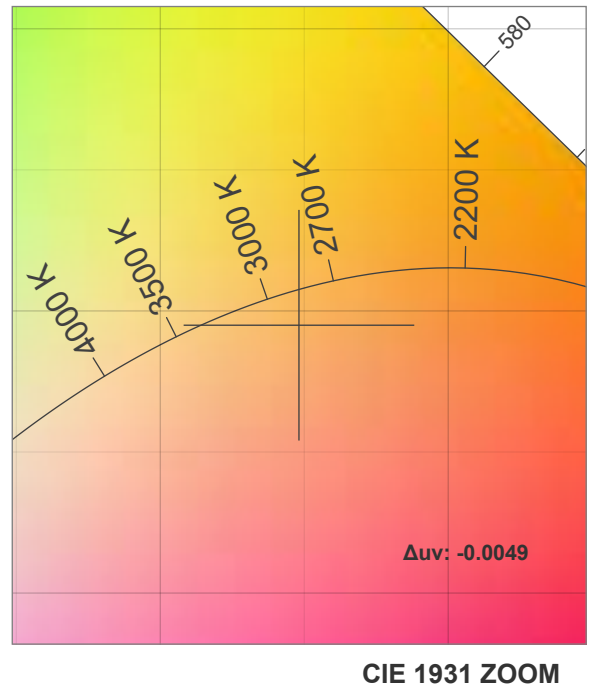
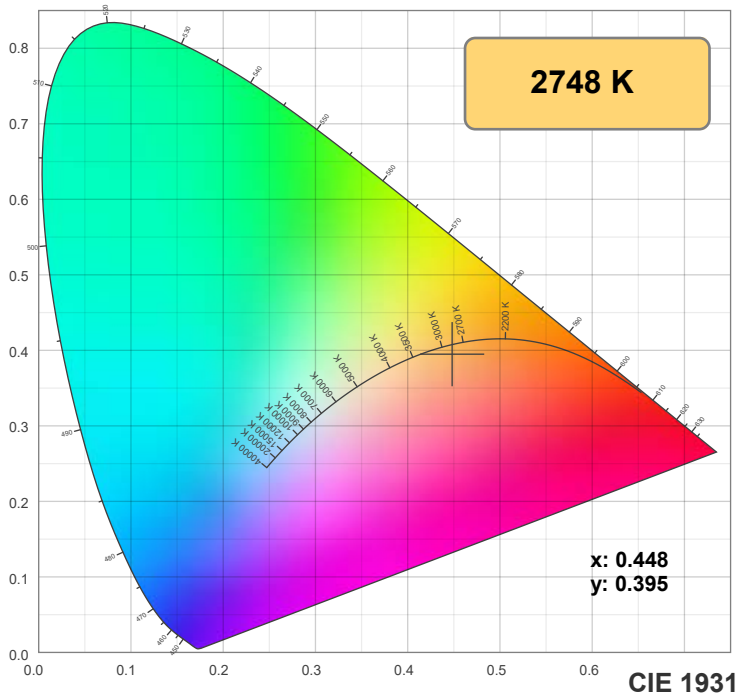
Power: 14.3 W

PF: 0.99

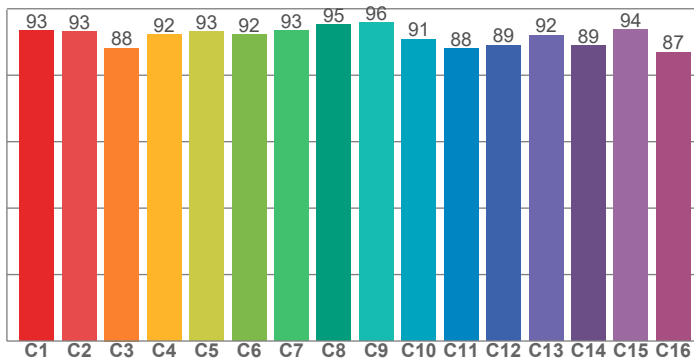
Spectra:



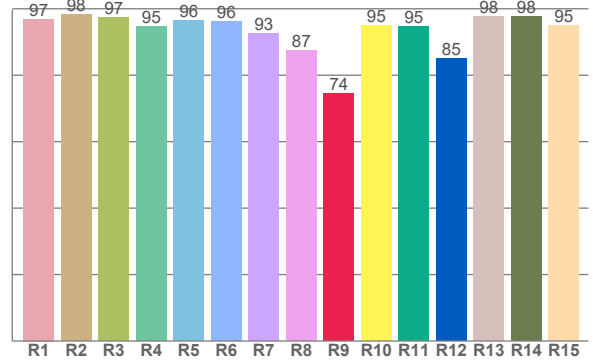
Color Details



TM-30: 91.6



CRI: 95.0 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.9	98.4	97.3	94.7	96.5	96.1	92.5	87.5	74.4	95.0	94.8	85.0	97.8	97.7	94.9

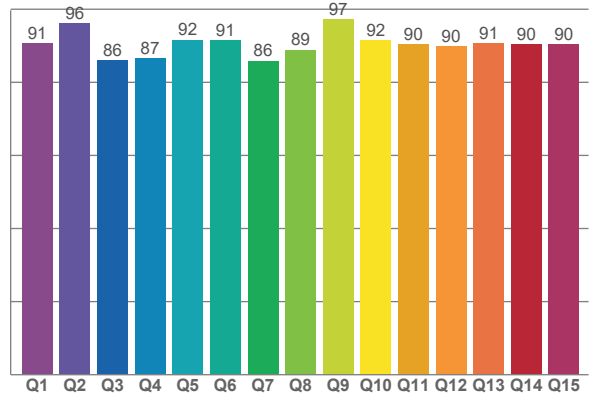
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	93.2	88.2	92.3	93.2	92.3	93.5	95.4	95.9	90.9	88.0	89.1	92.1	89.0	93.8	87.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.7	96.2	86.1	86.5	91.6	91.5	85.9	88.9	97.2	91.6	90.3	89.8	90.6	90.4	90.4

CQS: 89.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2748 K	95.0	74.4	91.6	102.5	89.9	0.448	0.395	0.262	0.346	-0.0049

TM-30 Details

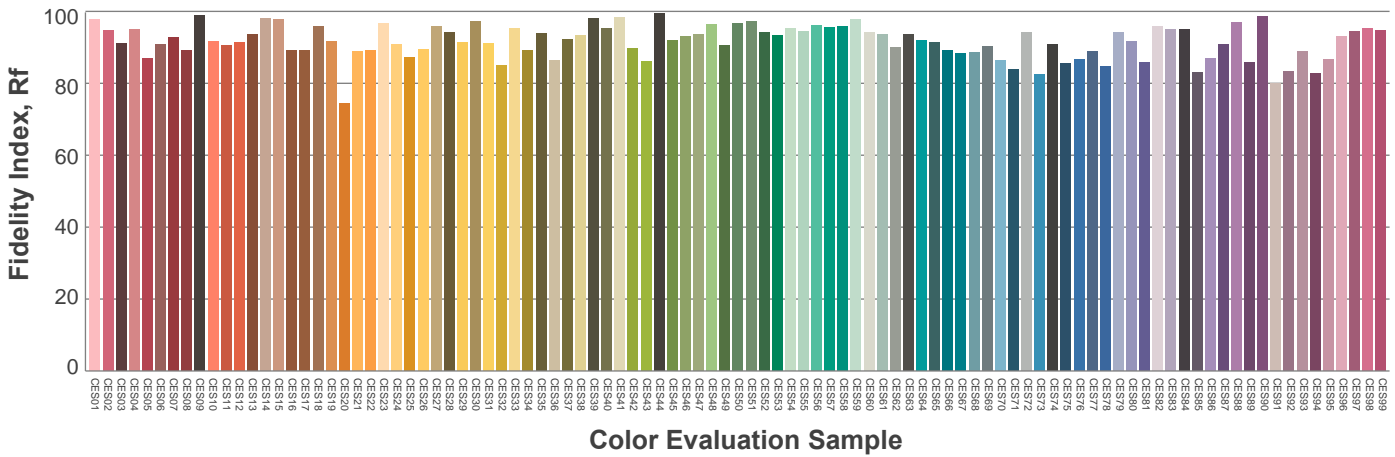
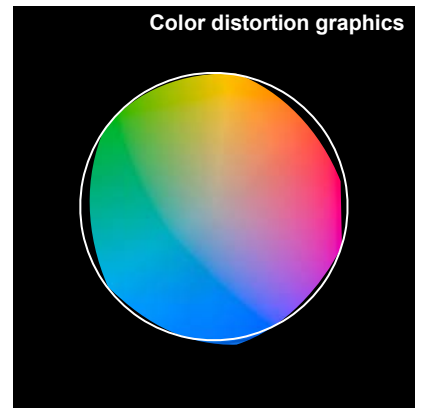
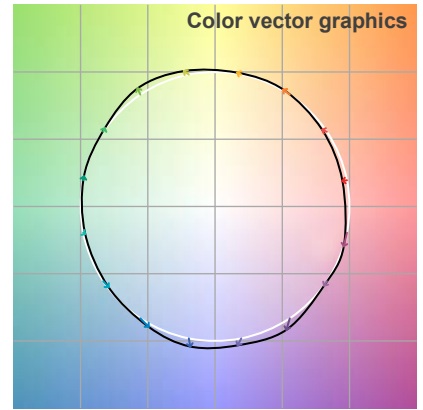
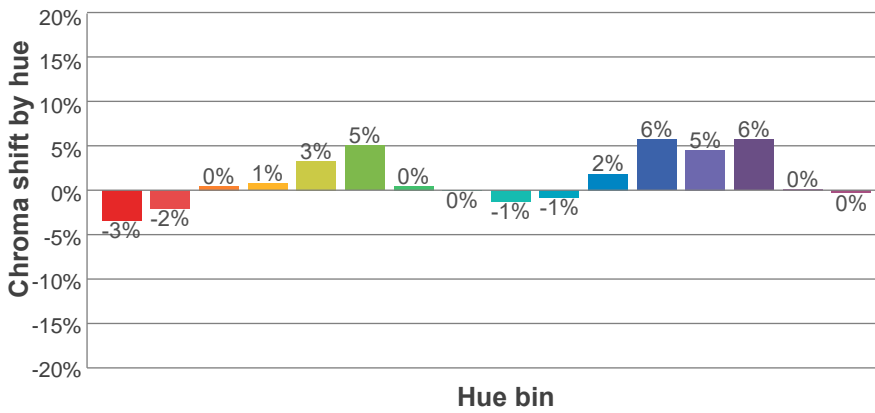
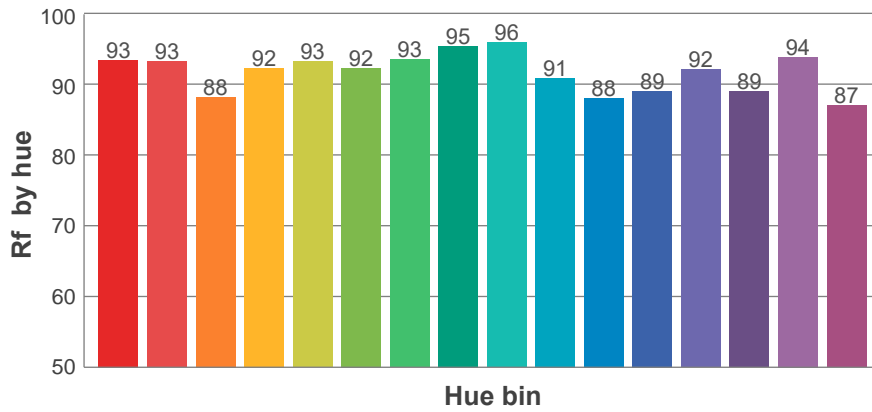
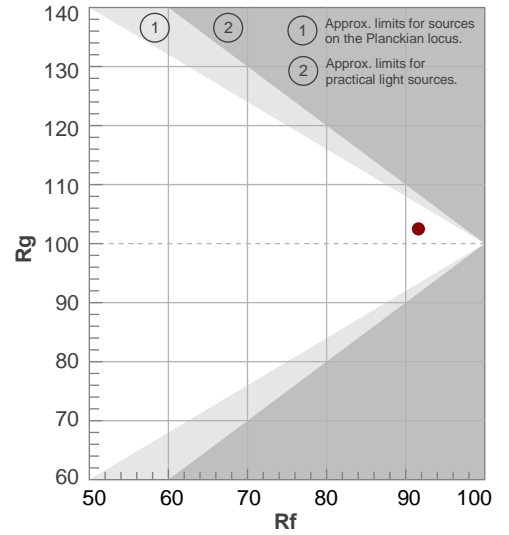
Rf 91.6

Fidelity index R_f

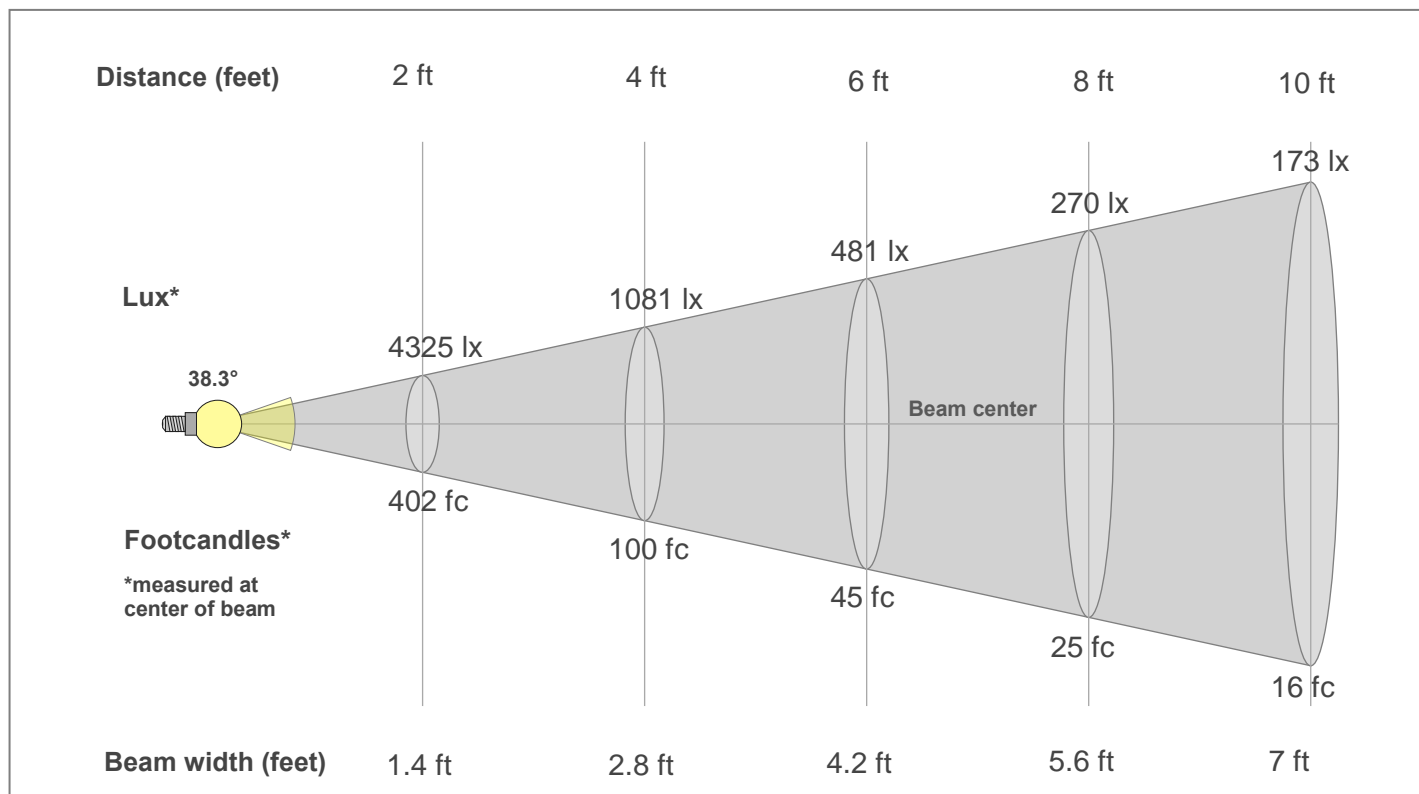
Rg 102.5

Gamut index Rg

		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-3%	0%
2	93	-2%	3%
3	88	0%	6%
4	92	1%	3%
5	93	3%	3%
6	92	5%	-1%
7	93	0%	-3%
8	95	0%	-3%
9	96	-1%	1%
10	91	-1%	6%
11	88	2%	9%
12	89	6%	2%
13	92	5%	-4%
14	89	6%	-7%
15	94	0%	-4%
16	87	0%	-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
1607lx	402lx	179lx	100lx	64lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
149.3fc	37.3fc	16.6fc	9.3fc	6fc	4.1fc	3fc	2.3fc	1.8fc	1.5fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc	0.4fc

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°
1607	1595	1560	1504	1428	1336	1231	1117	996	875	755	642	540	450	373	308	252	203	161	126
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	47%	40%	34%	28%	23%	19%	16%	13%	10%	8%

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°
1607	1595	1560	1504	1428	1336	1231	1117	996	875	755	642	540	450	373	308	252	203	161	126
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	47%	40%	34%	28%	23%	19%	16%	13%	10%	8%

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°
1607	1595	1560	1504	1428	1336	1231	1117	996	875	755	642	540	450	373	308	252	203	161	126
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	47%	40%	34%	28%	23%	19%	16%	13%	10%	8%

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°
1607	1595	1560	1504	1428	1336	1231	1117	996	875	755	642	540	450	373	308	252	203	161	126
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	47%	40%	34%	28%	23%	19%	16%	13%	10%	8%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
38.3°	72°	91.5°	99.8%	97.3%