

Photometric / Colorimetric / Electric Report

Fixture Model:

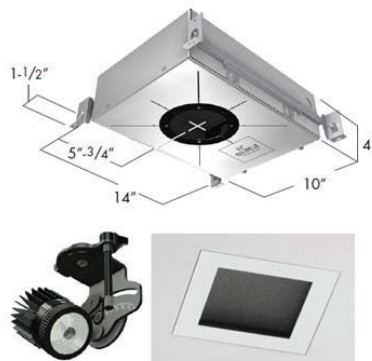
804S-J2S-TW-15T-4500K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 91.9

Color temperature:

4506 K

CIE 1931:

**x: 0.361
y: 0.366**

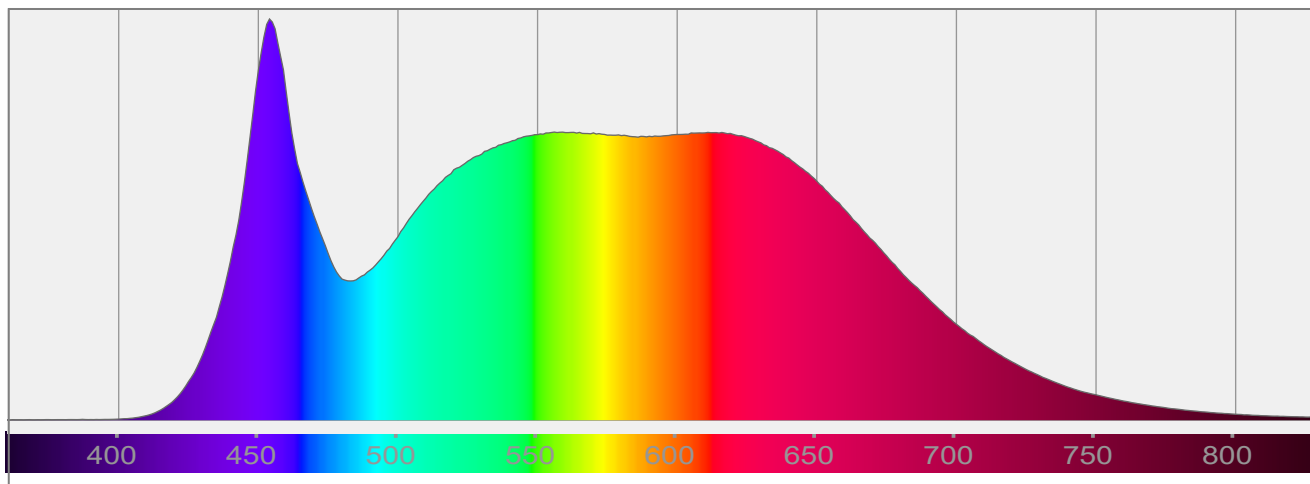
Output: 1107 lm

Peak: 6121 cd

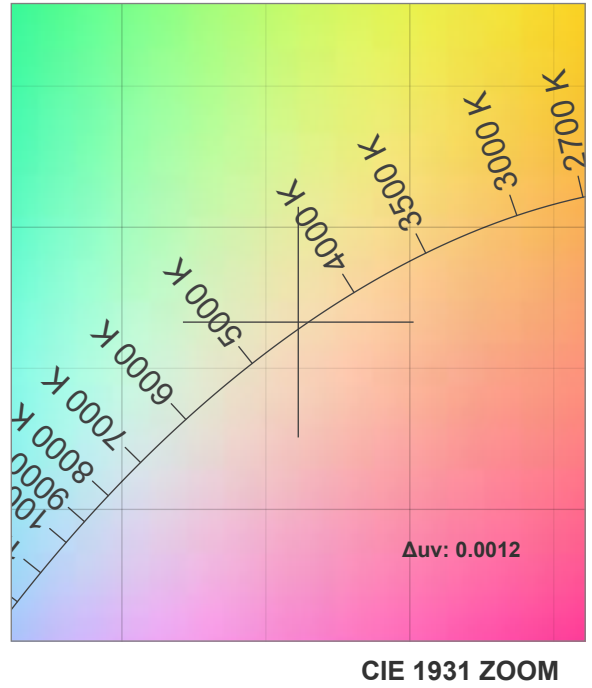
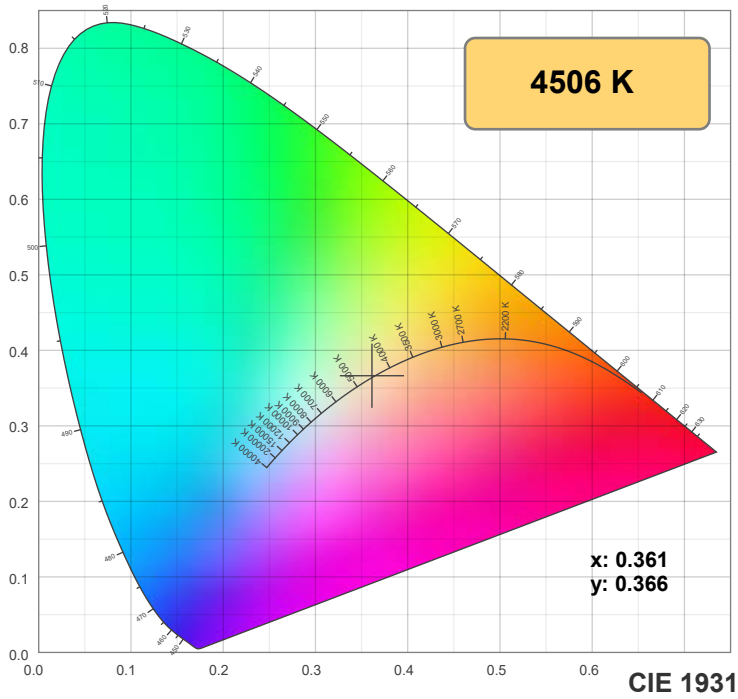
Power: 14.7 W

PF: 0.99

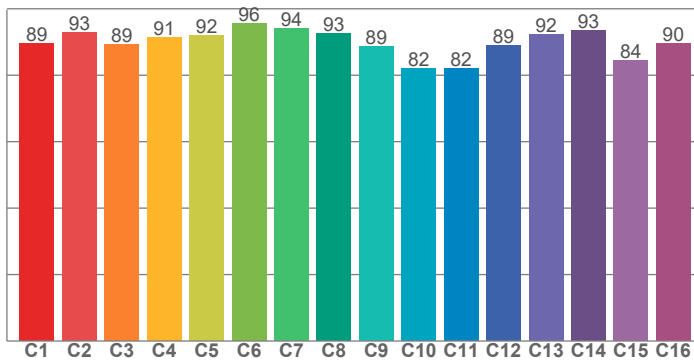
Spectra:



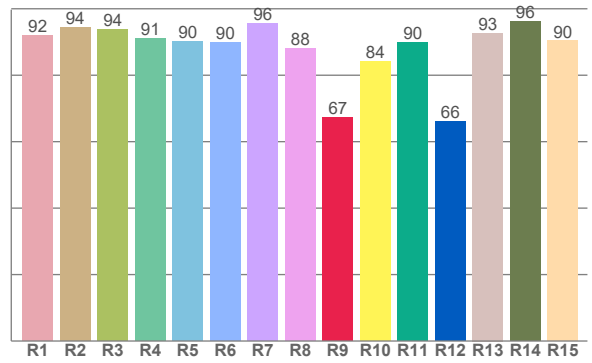
Color Details



TM-30: 89.7



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	94.3	93.9	91.2	90.2	89.9	95.6	87.9	67.3	84.3	90.0	66.0	92.7	96.3	90.3

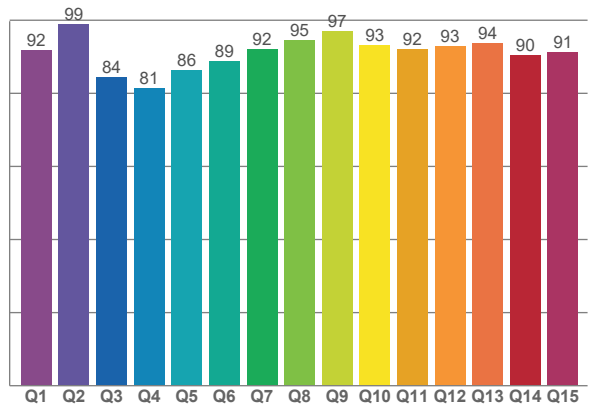
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.5	92.8	89.2	91.3	92.0	95.6	94.1	92.6	88.5	82.0	81.9	89.0	92.2	93.4	84.4	89.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	98.9	84.3	81.5	86.3	88.9	92.1	94.6	97.1	93.2	92.0	93.0	93.8	90.3	91.3

CQS: 90.2



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4506 K	91.9	67.3	89.7	98.5	90.2	0.361	0.366	0.217	0.329	0.0012

TM-30 Details

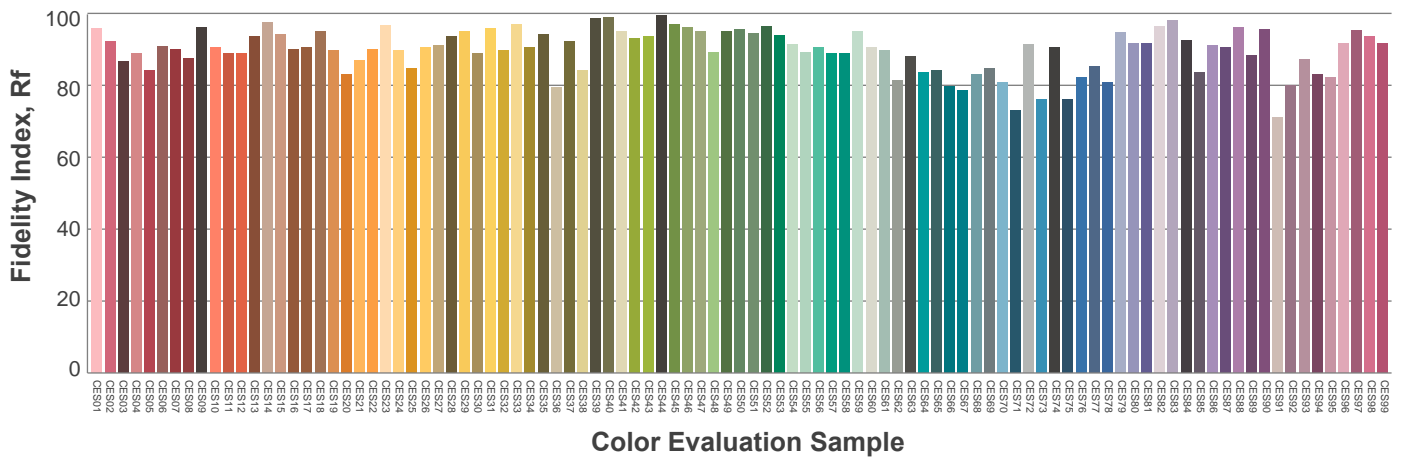
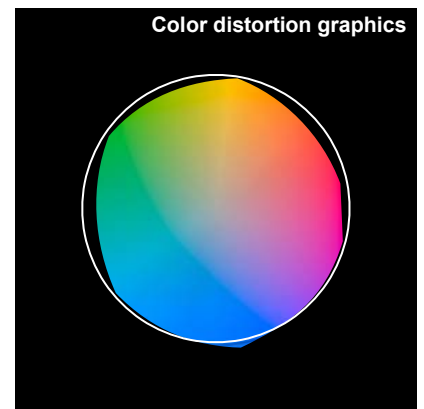
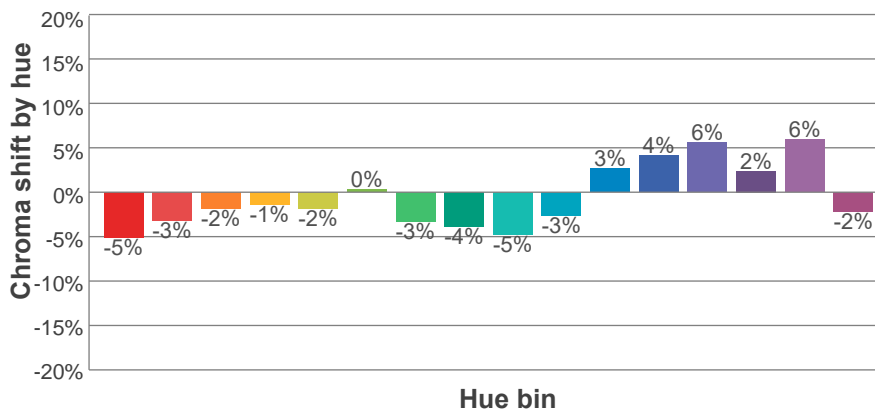
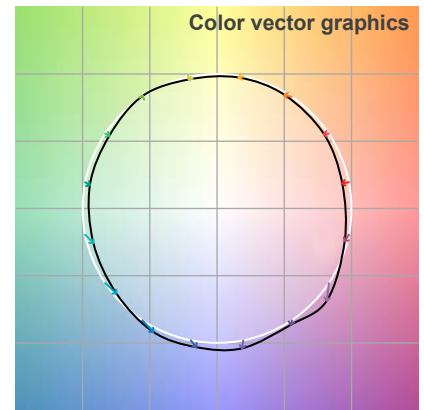
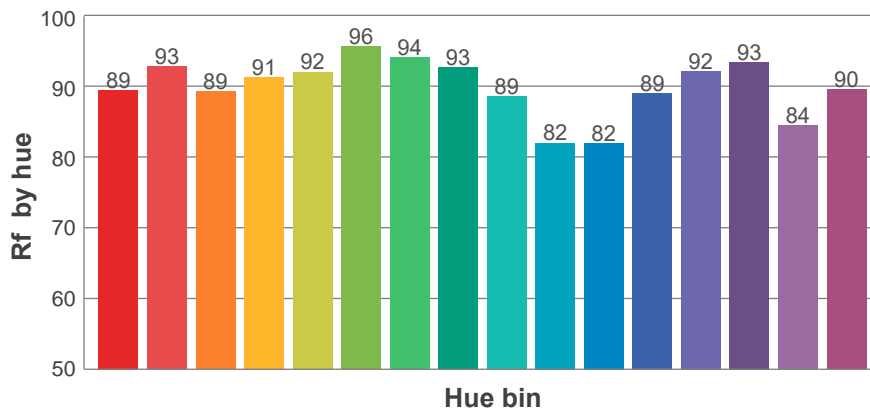
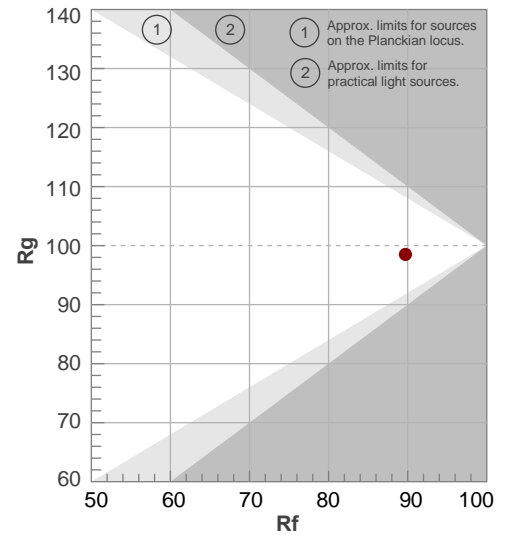
Rf 89.7

Fidelity index Rf

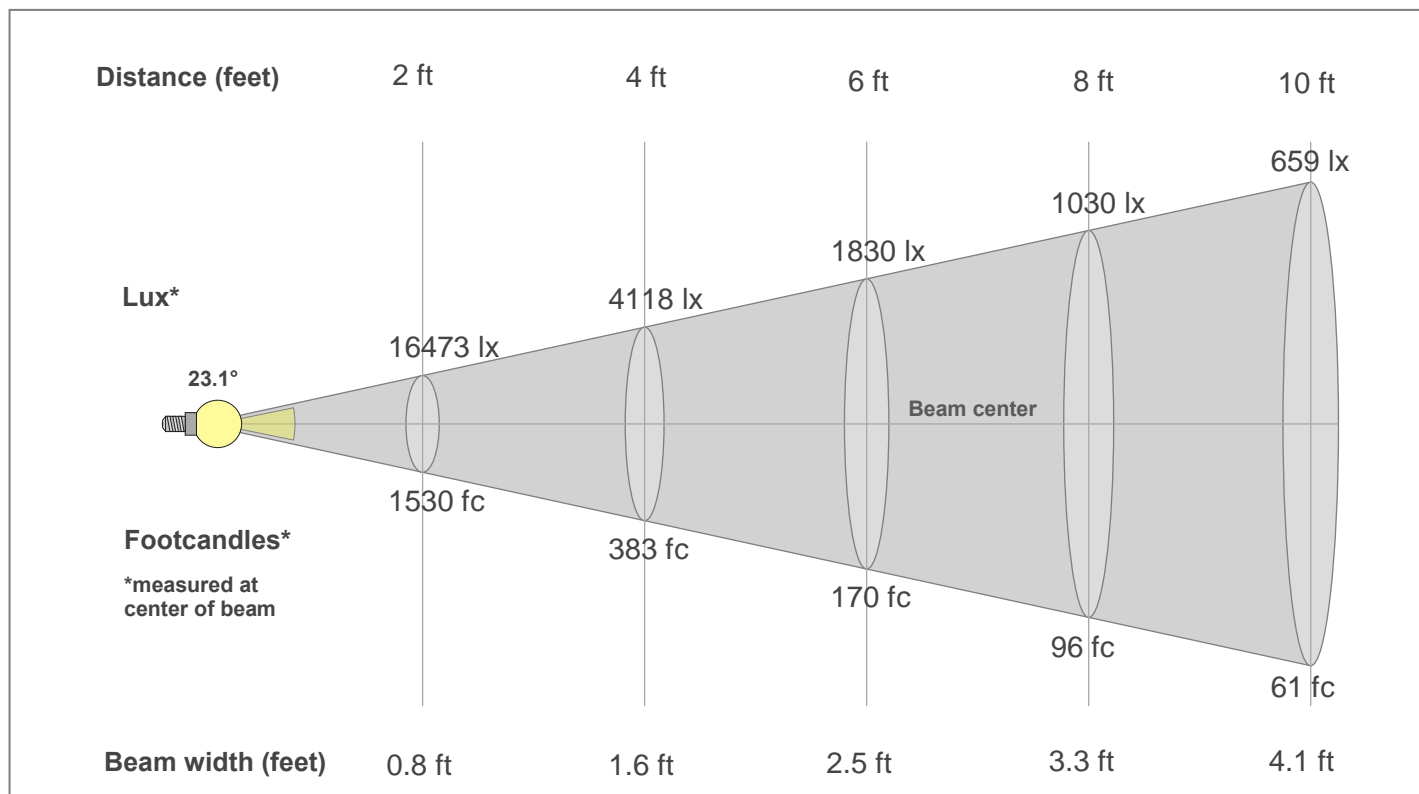
Rg 98.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-5%	0%
2	93	-3%	2%
3	89	-2%	5%
4	91	-1%	3%
5	92	-2%	2%
6	96	0%	0%
7	94	-3%	-1%
8	93	-4%	1%
9	89	-5%	7%
10	82	-3%	11%
11	82	3%	11%
12	89	4%	5%
13	92	6%	-2%
14	93	2%	-2%
15	84	6%	-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
6121lx	1530lx	680lx	383lx	245lx	170lx	125lx	96lx	76lx	61lx	51lx	43lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
568.7fc	142.2fc	63.2fc	35.5fc	22.7fc	15.8fc	11.6fc	8.9fc	7fc	5.7fc	4.7fc	3.9fc	3.4fc	2.9fc	2.5fc	2.2fc	2fc	1.8fc	1.6fc	1.4fc

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°
6121	6106	6022	5887	5710	5486	5213	4890	4529	4131	3717	3297	2873	2464	2080	1727	1409	1137	910	724
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	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°
6121	6106	6022	5887	5710	5486	5213	4890	4529	4131	3717	3297	2873	2464	2080	1727	1409	1137	910	724
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	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°
6121	6106	6022	5887	5710	5486	5213	4890	4529	4131	3717	3297	2873	2464	2080	1727	1409	1137	910	724
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	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°
6121	6106	6022	5887	5710	5486	5213	4890	4529	4131	3717	3297	2873	2464	2080	1727	1409	1137	910	724
100%	100%	98%	96%	93%	90%	85%	80%	74%	67%	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°
23.1°	39.4°	54°	99.8%	99.3%