

Photometric / Colorimetric / Electric Report

Fixture Model:

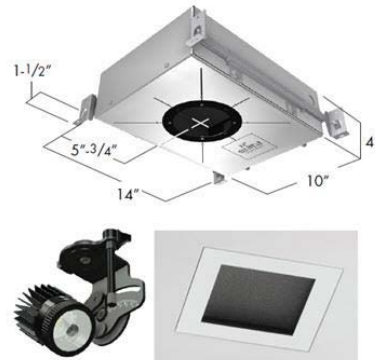
804S-J2S-TW-15T-2700K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

2728 K

CIE 1931:

**x: 0.450
y: 0.396**

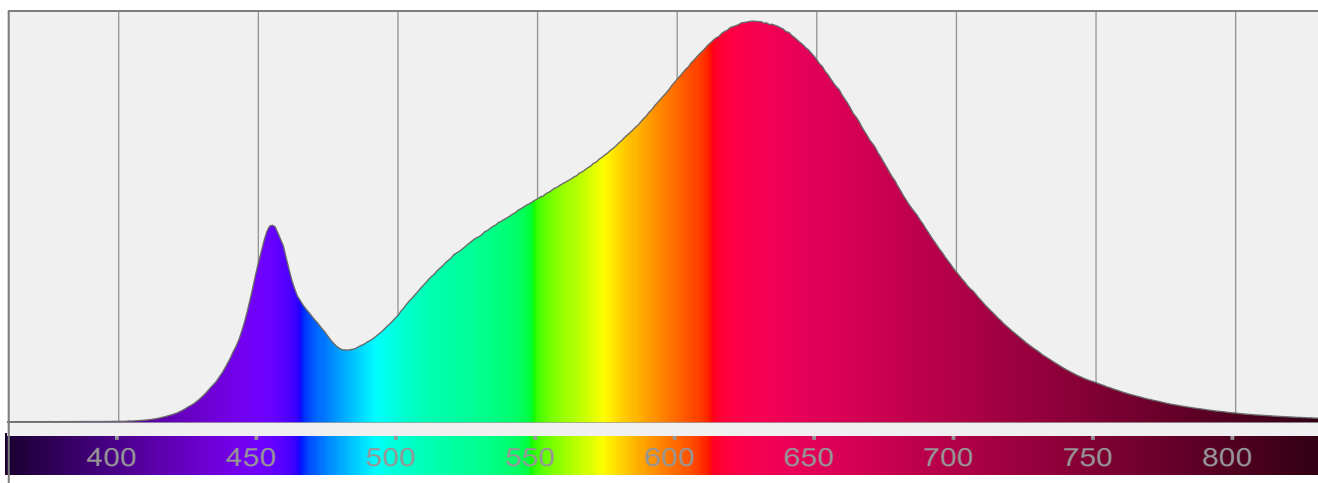
Output: 955 lm

Peak: 5287 cd

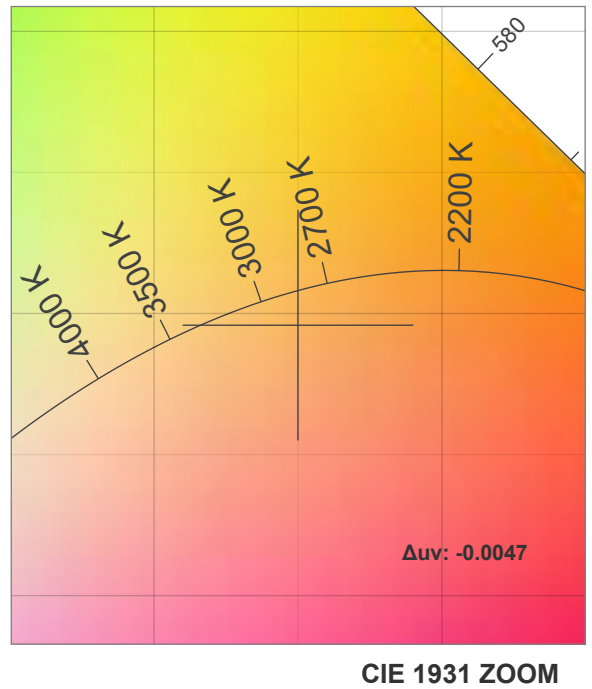
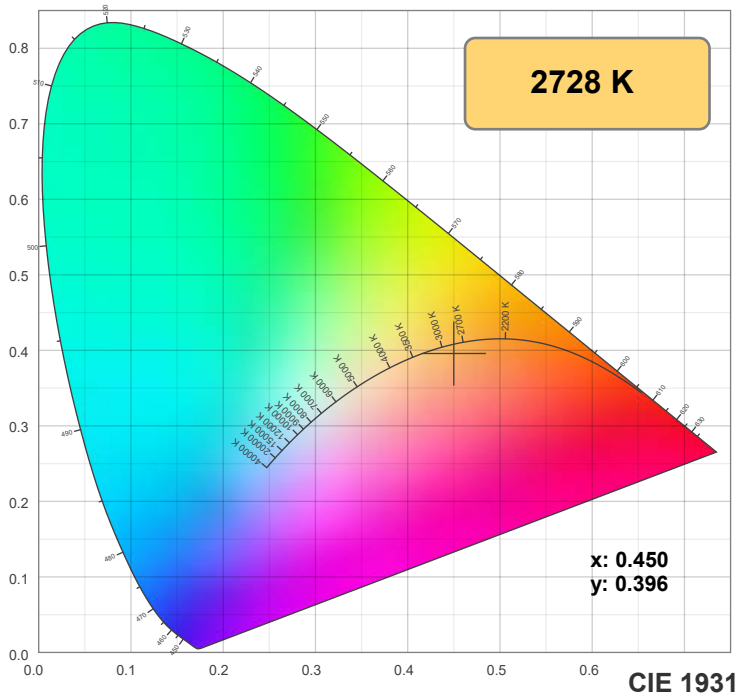
Power: 14.3 W

PF: 0.99

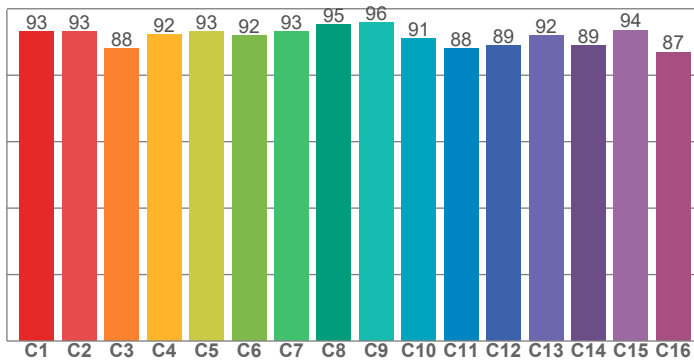
Spectra:



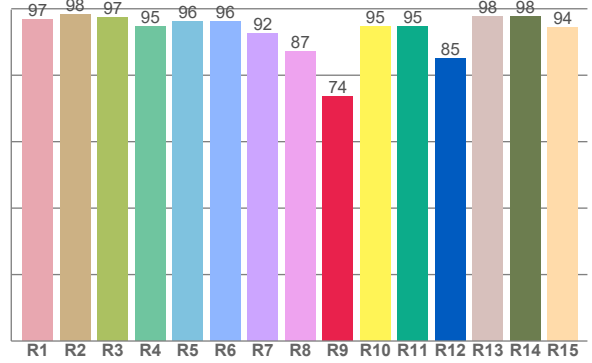
Color Details



TM-30: 91.5



CRI: 94.8 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.7	98.3	97.3	94.5	96.2	96.1	92.5	87.1	73.5	94.6	94.6	85.1	97.6	97.7	94.5

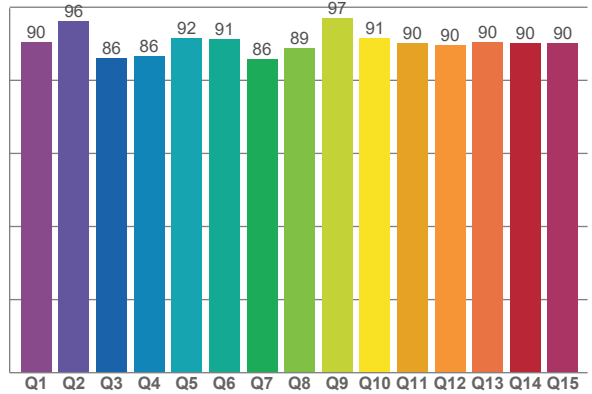
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.3	93.0	88.0	92.2	93.1	92.0	93.1	95.2	95.9	90.9	88.0	89.0	92.0	88.9	93.6	87.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.4	96.1	86.1	86.5	91.5	91.2	85.7	88.7	97.1	91.5	90.2	89.7	90.5	90.2	90.1

CQS: 89.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2728 K	94.8	73.5	91.5	102.5	89.7	0.450	0.396	0.263	0.347	-0.0047

TM-30 Details

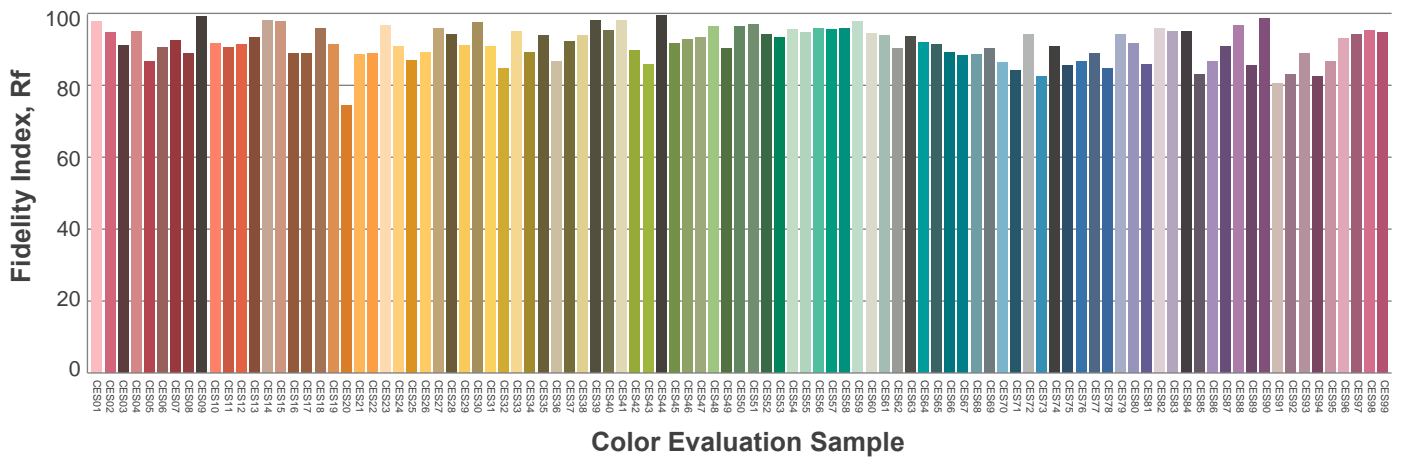
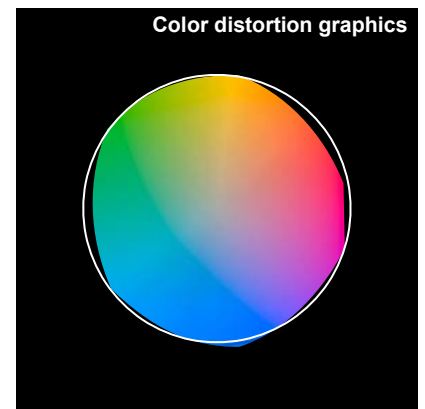
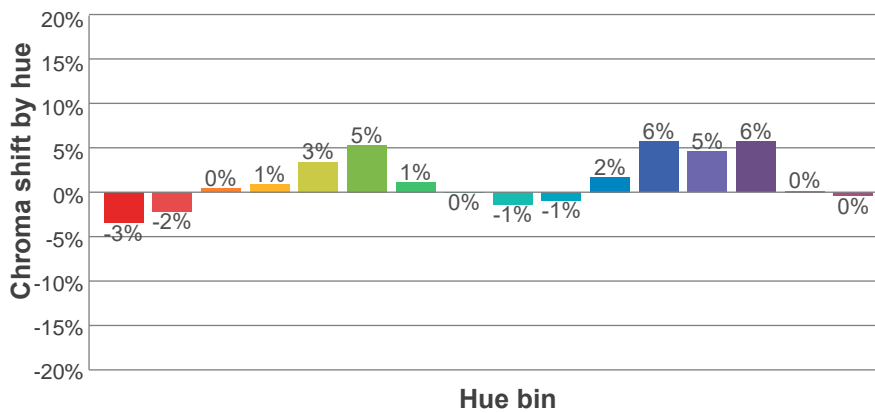
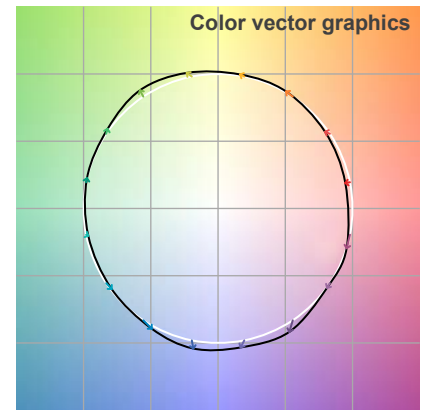
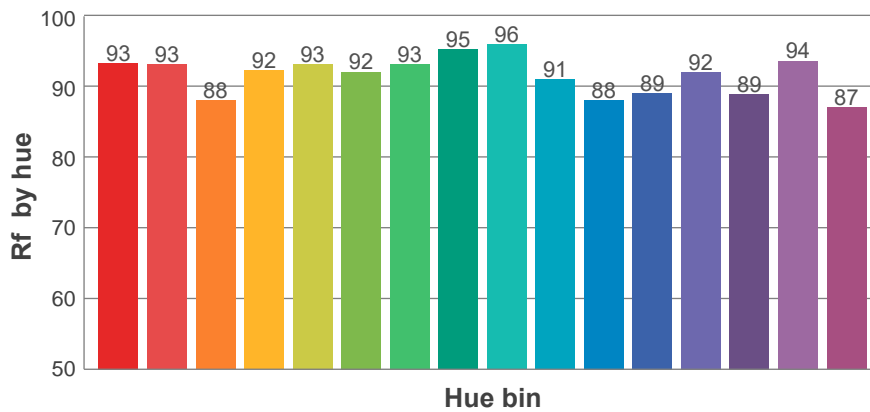
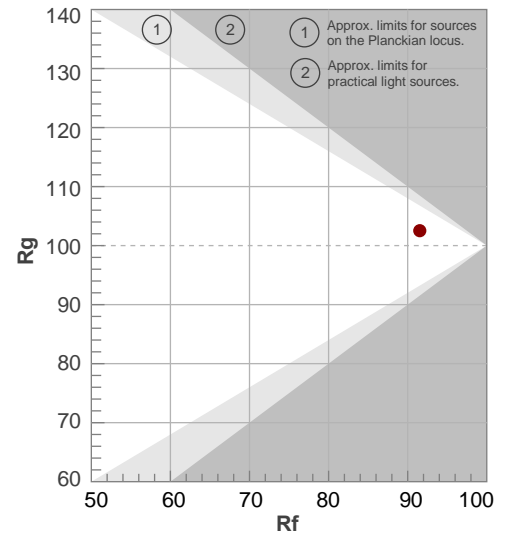
Rf 91.5

Fidelity index Rf

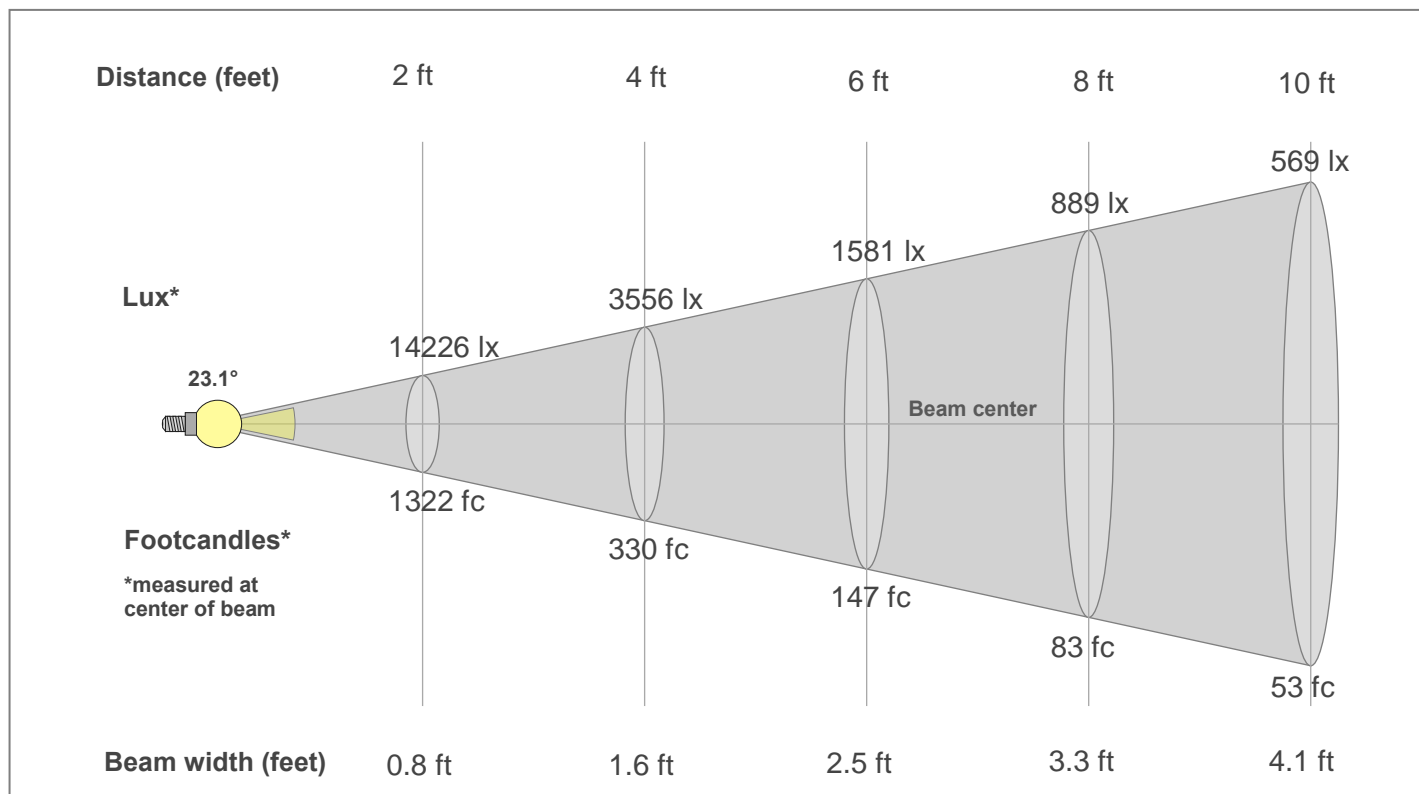
Rg 102.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		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	1%	-4%
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
5287lx	1322lx	587lx	330lx	211lx	147lx	108lx	83lx	65lx	53lx	44lx	37lx	31lx	27lx	23lx	21lx	18lx	16lx	15lx	13lx
491.1fc	122.8fc	54.6fc	30.7fc	19.6fc	13.6fc	10fc	7.7fc	6.1fc	4.9fc	4.1fc	3.4fc	2.9fc	2.5fc	2.2fc	1.9fc	1.7fc	1.5fc	1.4fc	1.2fc

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°
5287	5258	5184	5069	4915	4720	4483	4212	3908	3571	3214	2849	2486	2134	1803	1498	1224	987	788	627
100%	99%	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°
5287	5258	5184	5069	4915	4720	4483	4212	3908	3571	3214	2849	2486	2134	1803	1498	1224	987	788	627
100%	99%	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°
5287	5258	5184	5069	4915	4720	4483	4212	3908	3571	3214	2849	2486	2134	1803	1498	1224	987	788	627
100%	99%	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°
5287	5258	5184	5069	4915	4720	4483	4212	3908	3571	3214	2849	2486	2134	1803	1498	1224	987	788	627
100%	99%	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°
23.1°	39.5°	53.8°	99.8%	99.4%