

Photometric / Colorimetric / Electric Report

Fixture Model:

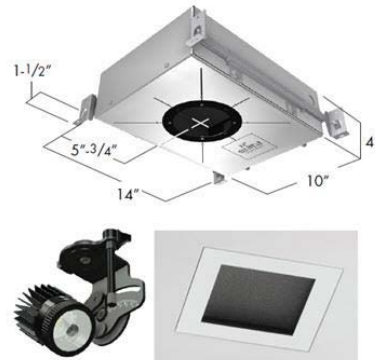
804S-J2S-TW-25-2700K-EL3-8-700-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/30/2020



Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 95.0

Color temperature:

2758 K

CIE 1931:

**x: 0.447
y: 0.395**

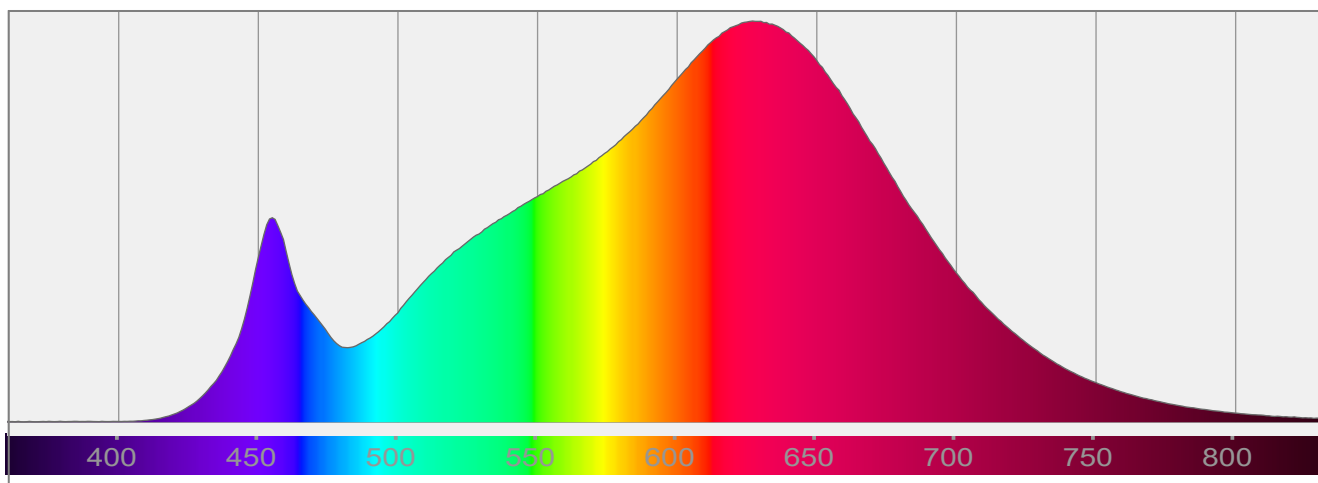
Output: 751 lm

Peak: 2267 cd

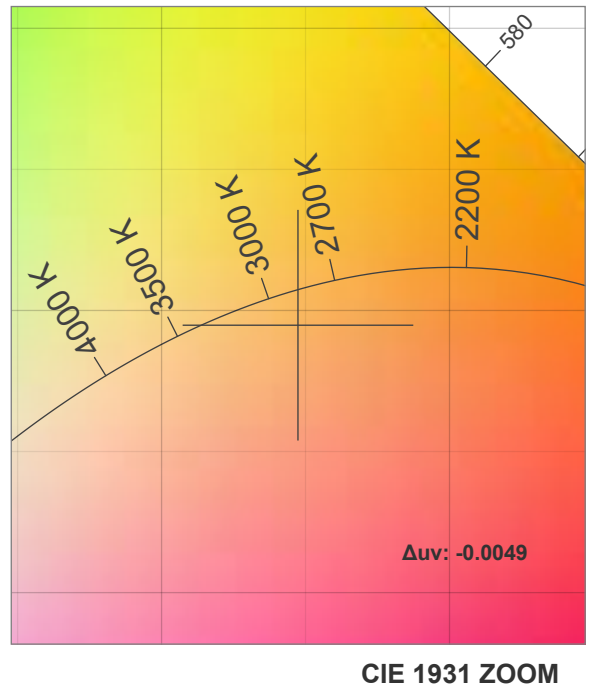
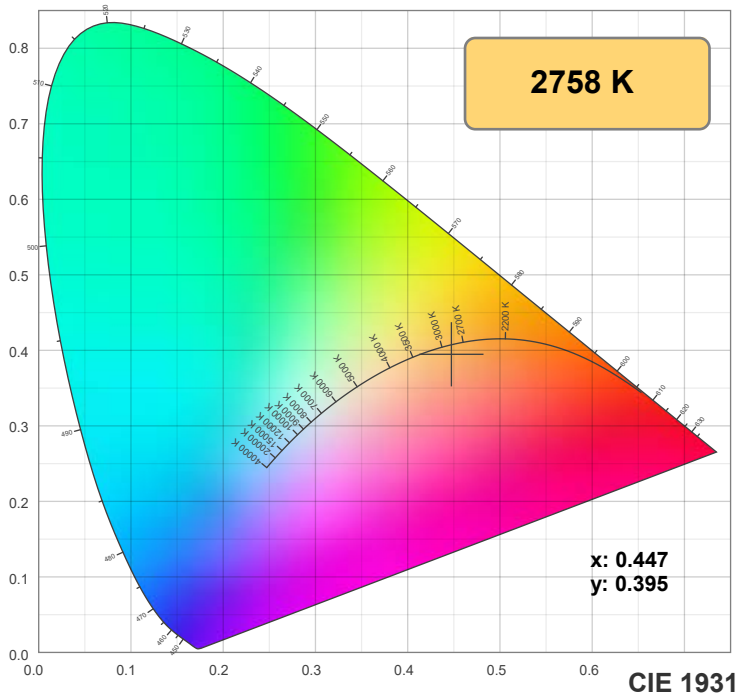
Power: 14.3 W

PF: 0.99

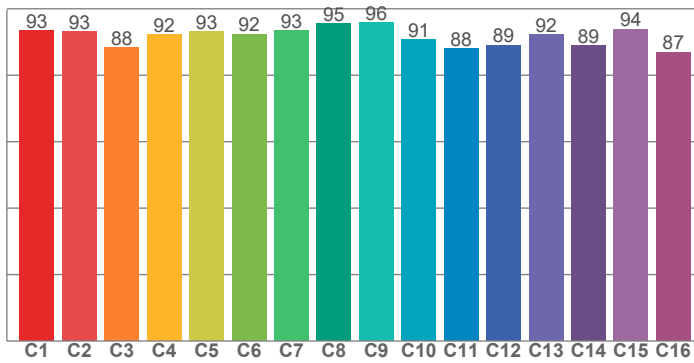
Spectra:



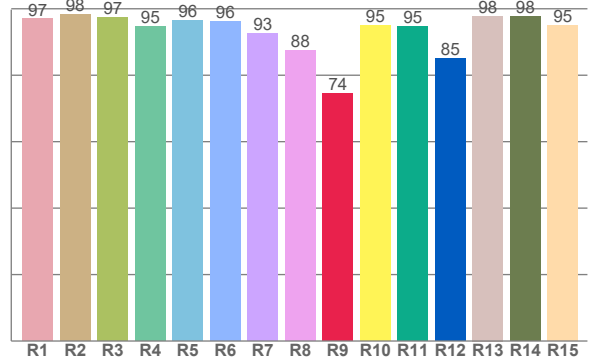
Color Details



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	92.6	87.5	74.5	95.0	94.8	85.0	97.8	97.7	94.9

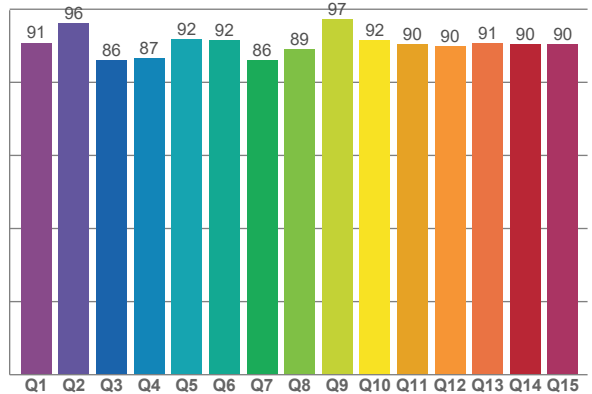
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	93.2	88.3	92.3	93.2	92.4	93.5	95.4	95.8	90.8	88.0	89.1	92.1	89.0	93.9	87.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.8	96.3	86.1	86.5	91.7	91.5	86.0	89.0	97.2	91.6	90.4	89.9	90.7	90.5	90.5

CQS: 90.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2758 K	95.0	74.5	91.6	102.5	90.0	0.447	0.395	0.262	0.346	-0.0049

TM-30 Details

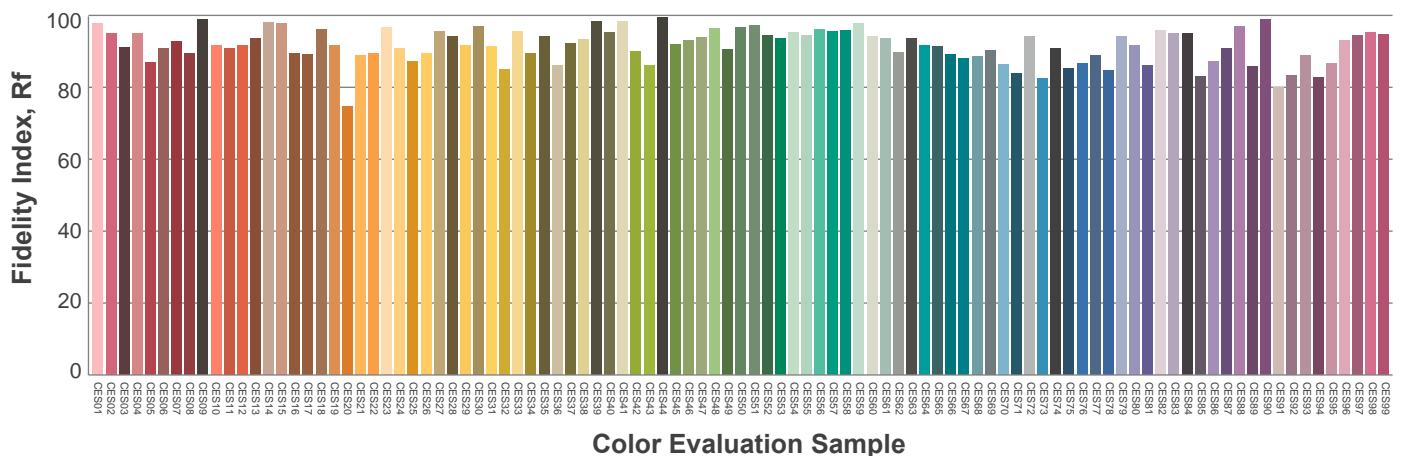
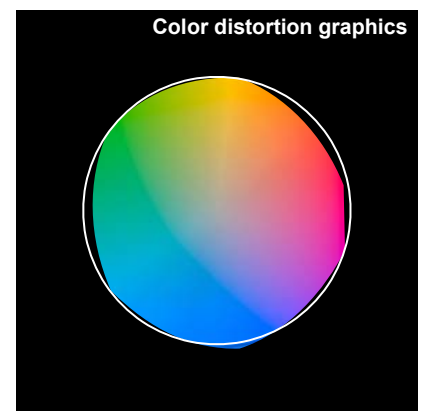
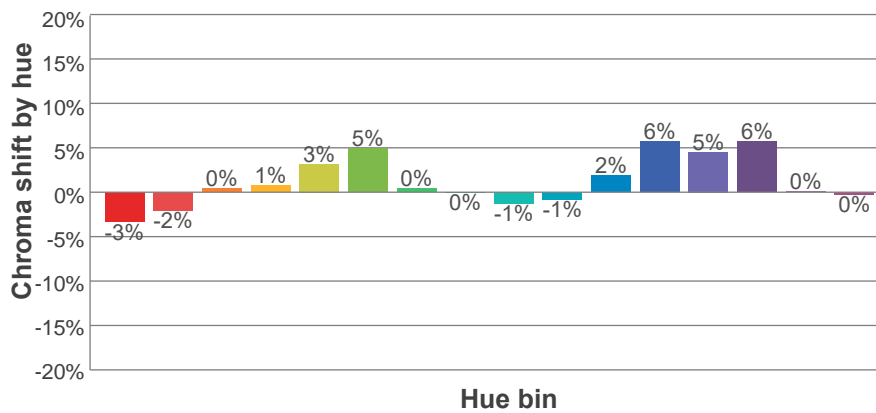
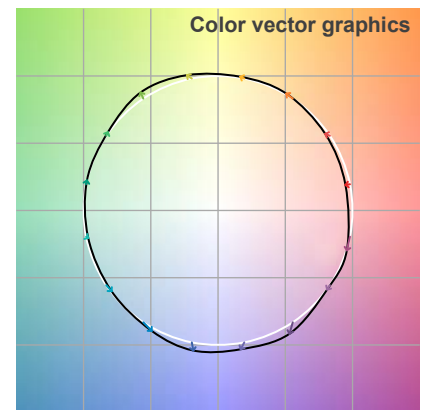
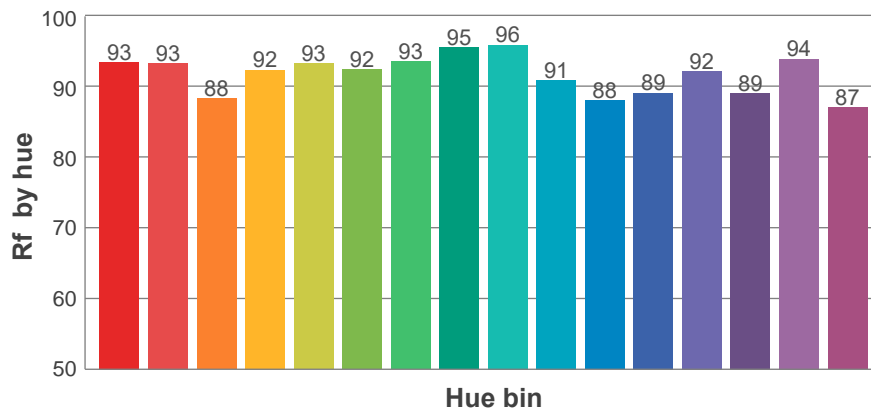
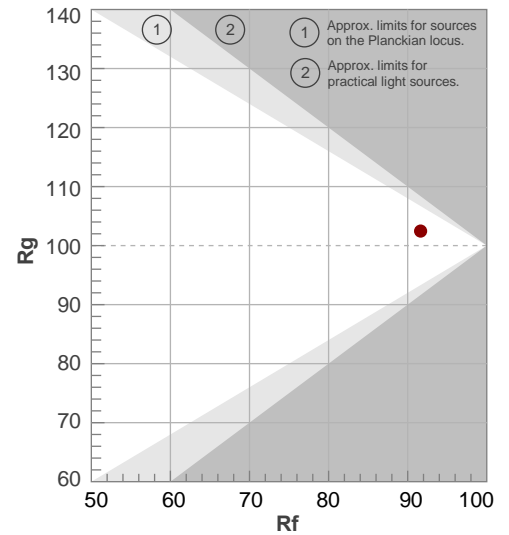
Rf 91.6

Fidelity index Rf

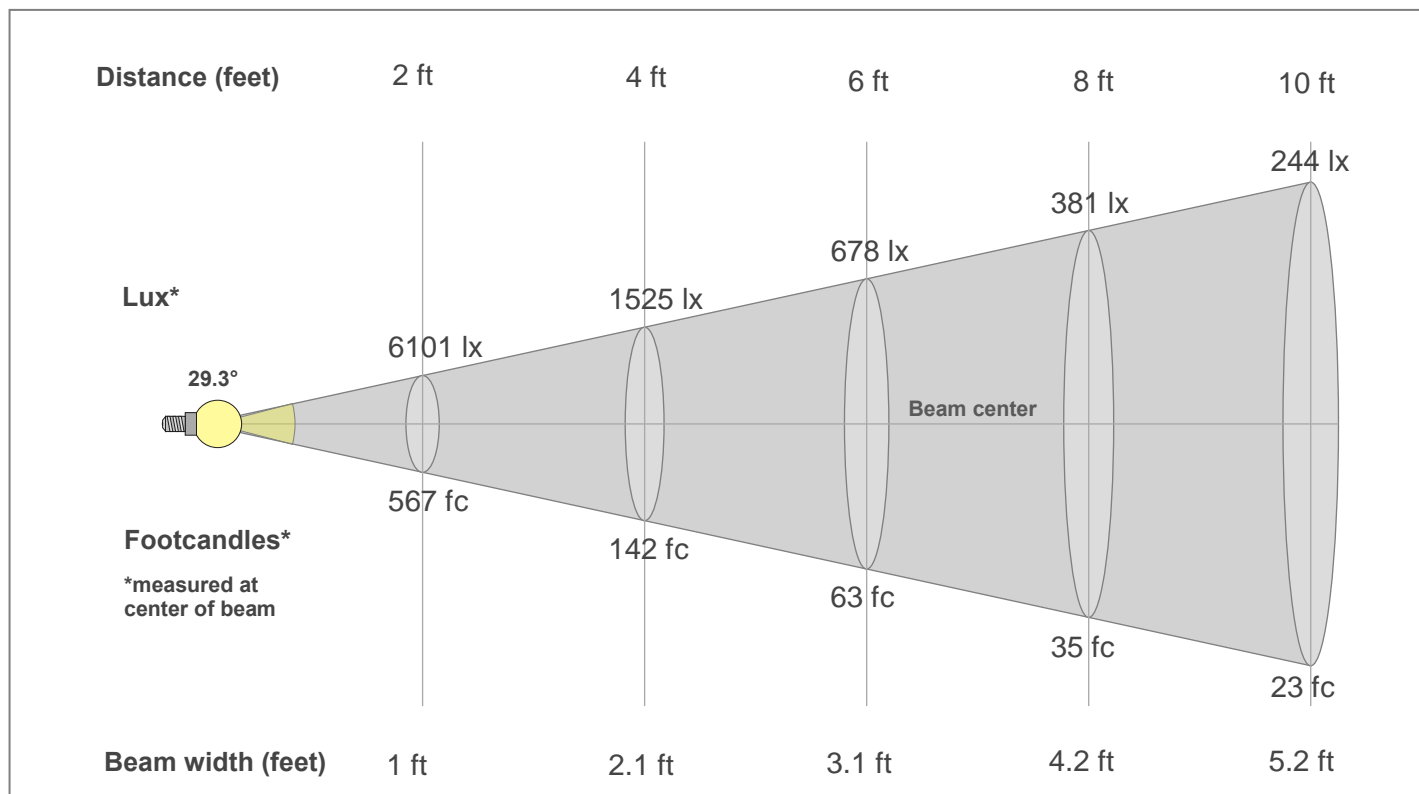
Rg 102.5

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	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
2267lx	567lx	252lx	142lx	91lx	63lx	46lx	35lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
210.6fc	52.7fc	23.4fc	13.2fc	8.4fc	5.9fc	4.3fc	3.3fc	2.6fc	2.1fc	1.7fc	1.5fc	1.2fc	1.1fc	0.9fc	0.8fc	0.7fc	0.7fc	0.6fc	0.5fc

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°
2267	2239	2146	2008	1832	1632	1417	1202	996	811	648	510	401	315	250	200	162	132	106	83
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	22%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2267	2239	2146	2008	1832	1632	1417	1202	996	811	648	510	401	315	250	200	162	132	106	83
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	22%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2267	2239	2146	2008	1832	1632	1417	1202	996	811	648	510	401	315	250	200	162	132	106	83
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	22%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2267	2239	2146	2008	1832	1632	1417	1202	996	811	648	510	401	315	250	200	162	132	106	83
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	22%	18%	14%	11%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.3°	57.7°	80.7°	99.8%	98.8%