

Photometric / Colorimetric / Electric Report

Fixture Model:

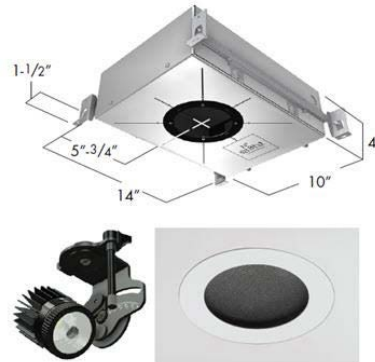
804S-J2S-TW-25-2200K-EL3-8-700-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

7/28/2020



Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 91.7

Color temperature:

2237 K

CIE 1931:

**x: 0.499
y: 0.411**

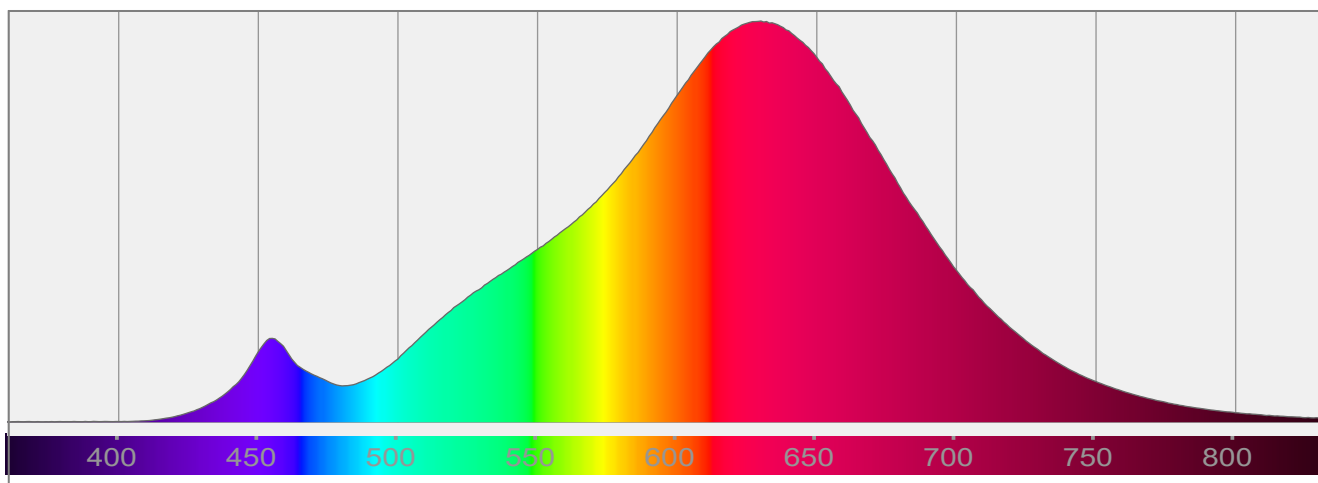
Output: 617 lm

Peak: 1868 cd

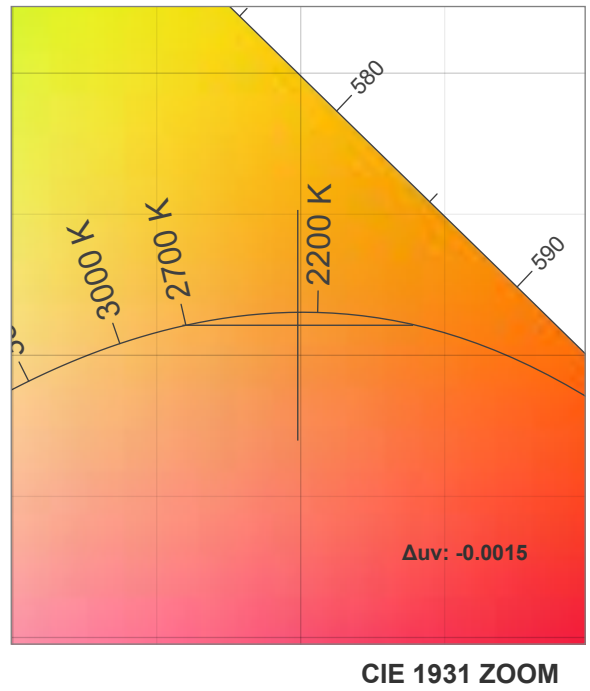
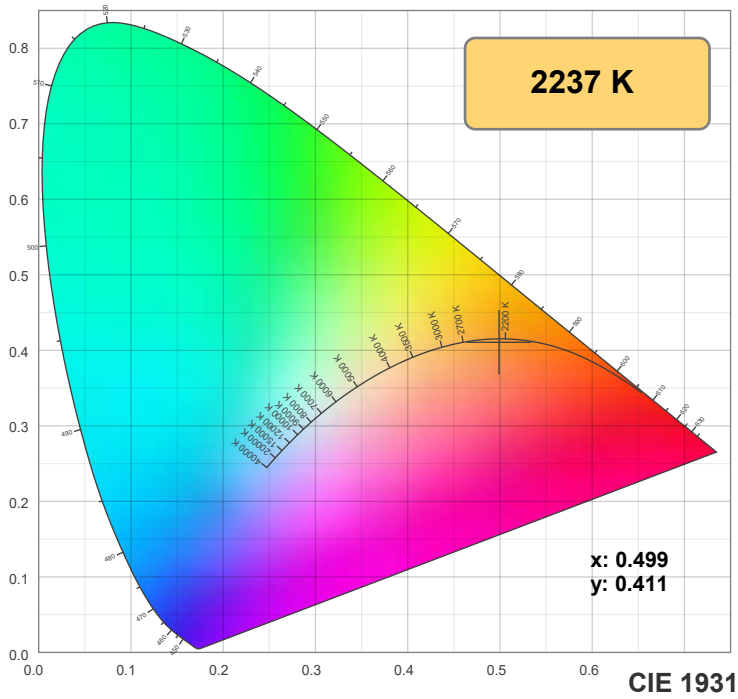
Power: 14.1 W

PF: 0.99

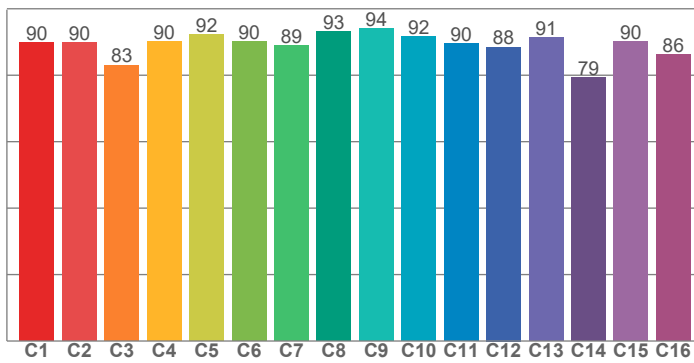
Spectra:



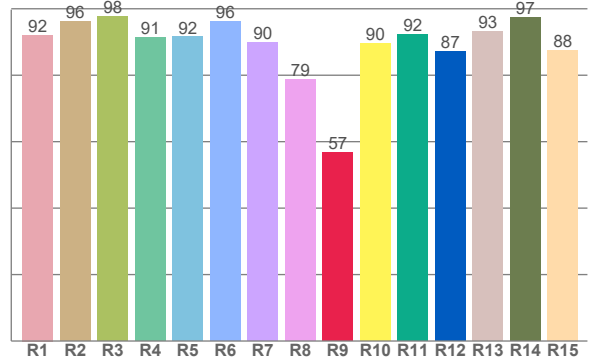
Color Details



TM-30: 89.6



CRI: 91.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.1	96.2	97.7	91.3	91.5	96.2	89.8	78.8	56.8	89.7	92.2	87.0	93.3	97.5	87.6

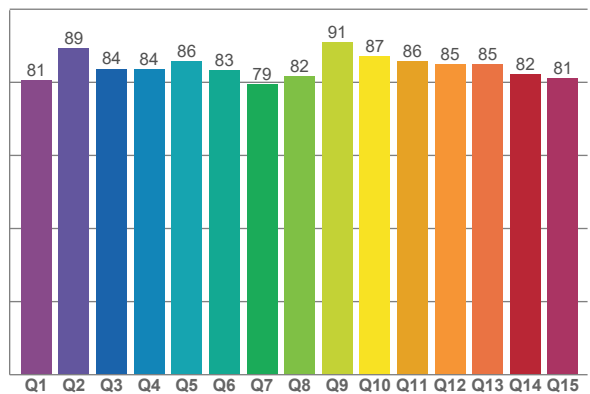
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	89.7	83.0	90.1	92.2	90.1	89.0	93.1	93.9	91.6	89.6	88.5	91.2	79.3	90.3	86.2

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.6	89.4	83.7	83.5	85.8	83.2	79.4	81.8	90.9	87.1	85.9	84.8	85.0	82.3	81.2

CQS: 83.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2237 K	91.7	56.8	89.6	102.5	83.8	0.499	0.411	0.288	0.356	-0.0015

TM-30 Details

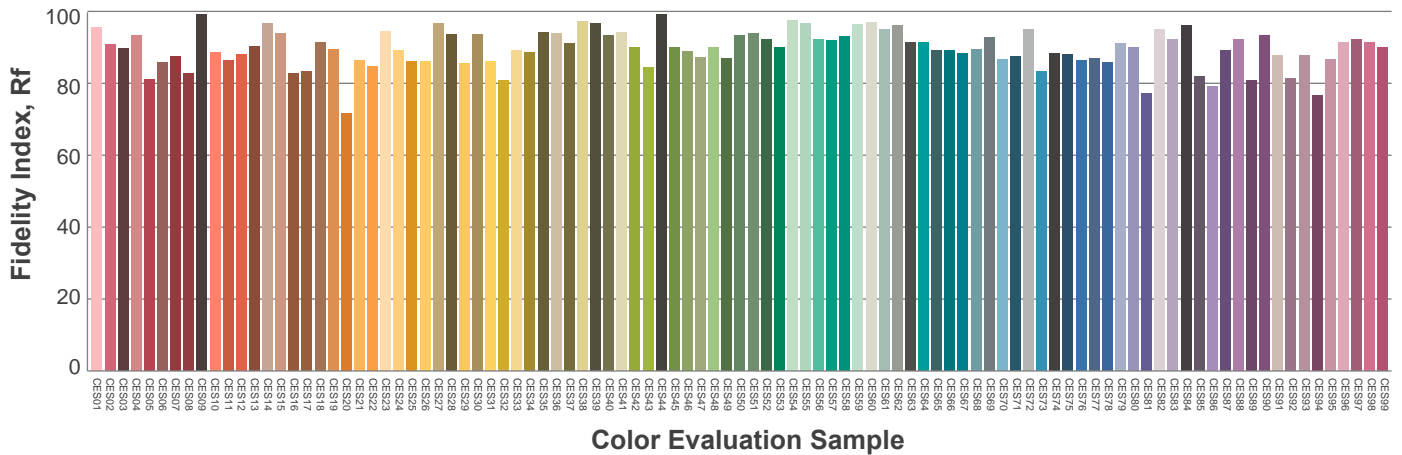
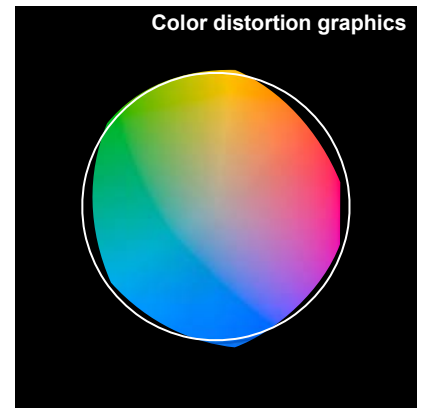
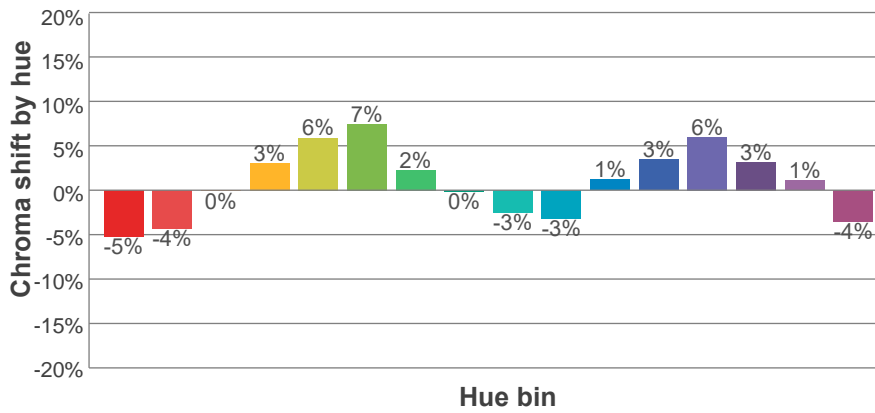
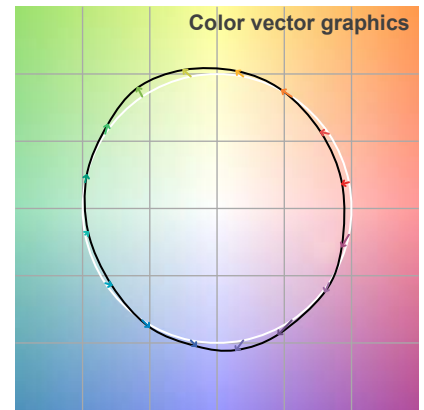
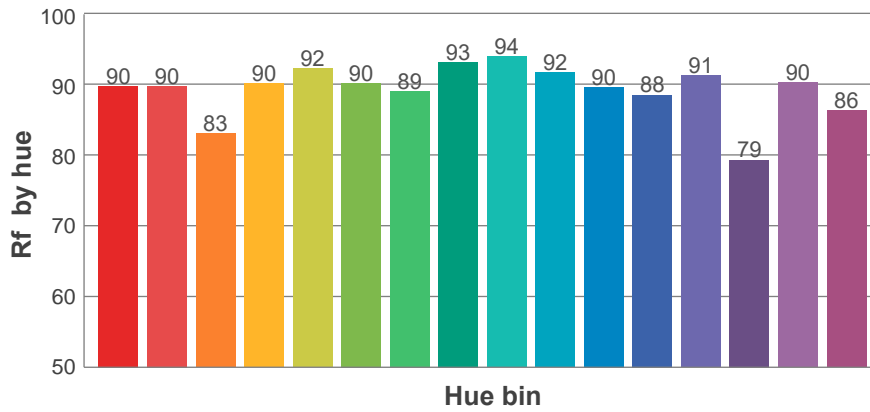
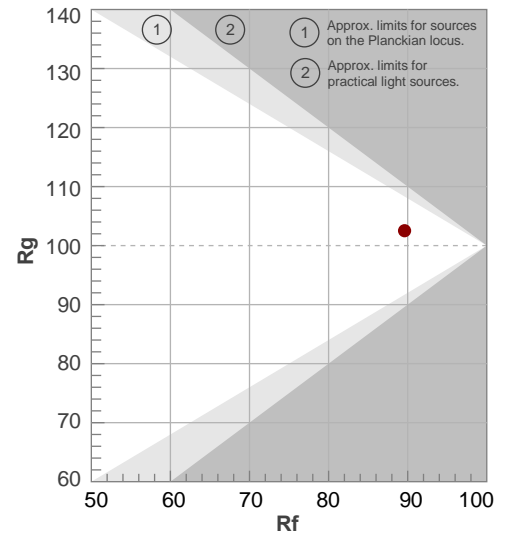
Rf 89.6

Fidelity index Rf

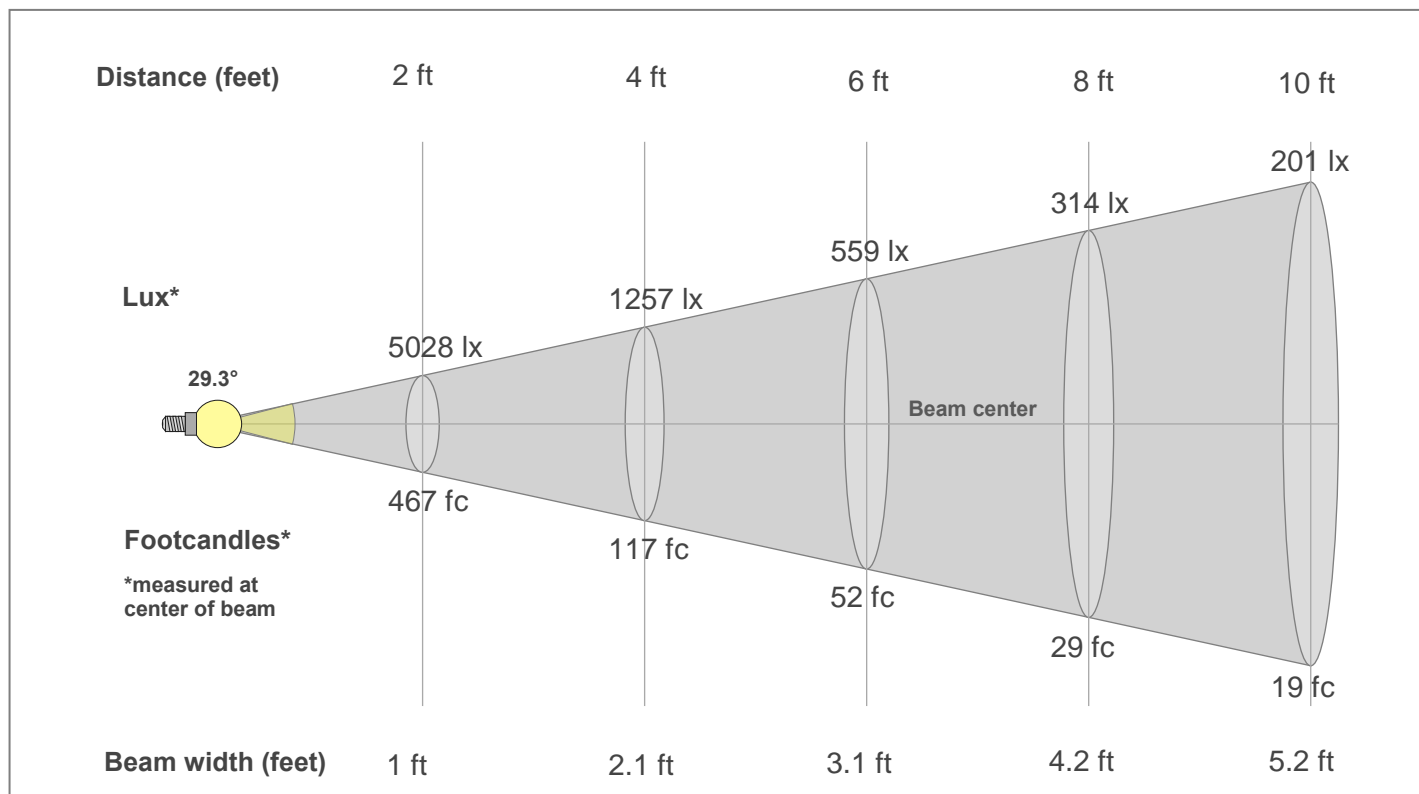
Rg 102.5

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%	-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
1868lx	467lx	208lx	117lx	75lx	52lx	38lx	29lx	23lx	19lx	15lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	5lx
173.6fc	43.4fc	19.3fc	10.8fc	6.9fc	4.8fc	3.5fc	2.7fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	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°
1868	1841	1767	1653	1509	1346	1169	991	820	668	533	417	331	260	206	166	134	108	86	66
100%	99%	95%	88%	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°
1868	1841	1767	1653	1509	1346	1169	991	820	668	533	417	331	260	206	166	134	108	86	66
100%	99%	95%	88%	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°
1868	1841	1767	1653	1509	1346	1169	991	820	668	533	417	331	260	206	166	134	108	86	66
100%	99%	95%	88%	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°
1868	1841	1767	1653	1509	1346	1169	991	820	668	533	417	331	260	206	166	134	108	86	66
100%	99%	95%	88%	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°	57.8°	80.1°	99.6%	98.7%