

Photometric / Colorimetric / Electric Report

Fixture Model:

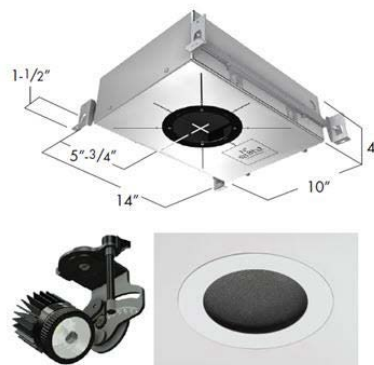
804S-J2S-TW-15T-4000K-EL3-8-700-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

7/28/2020



Light efficiency:

78 Lumen/Watt

Light quality:

CRI: 93.7

Color temperature:

4069 K

CIE 1931:

x: 0.377
y: 0.372

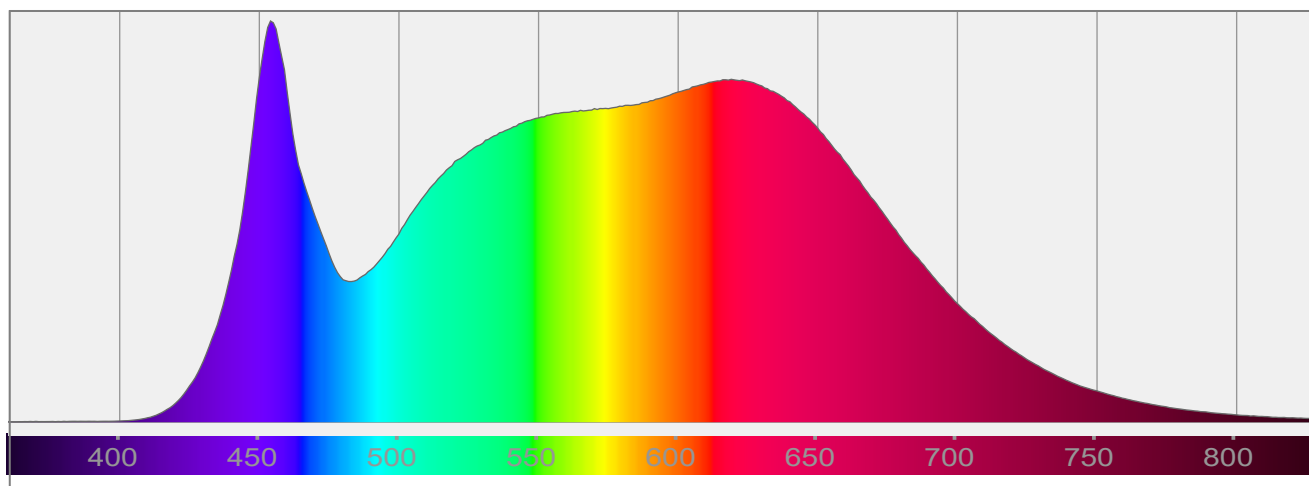
Output: 1133 lm

Peak: 7570 cd

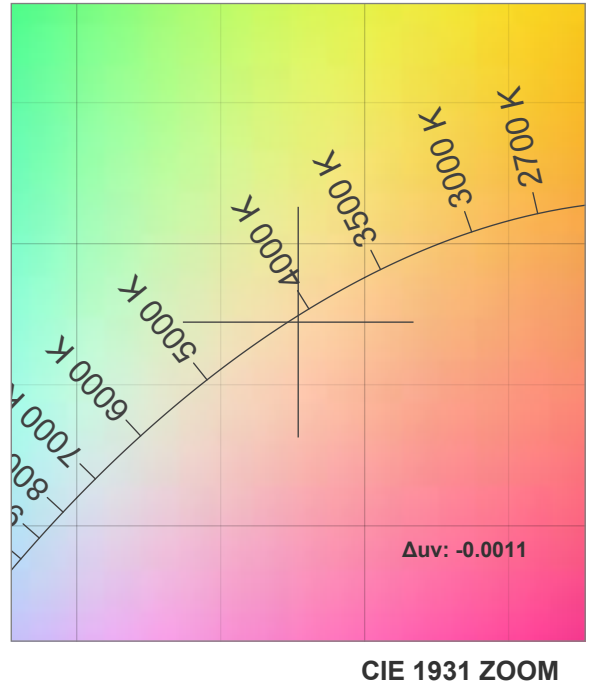
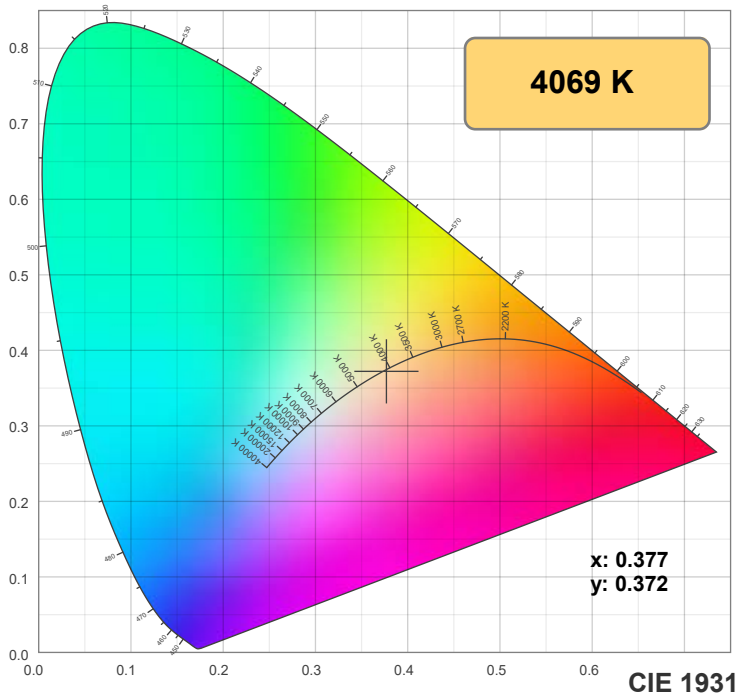
Power: 14.6 W

PF: 0.99

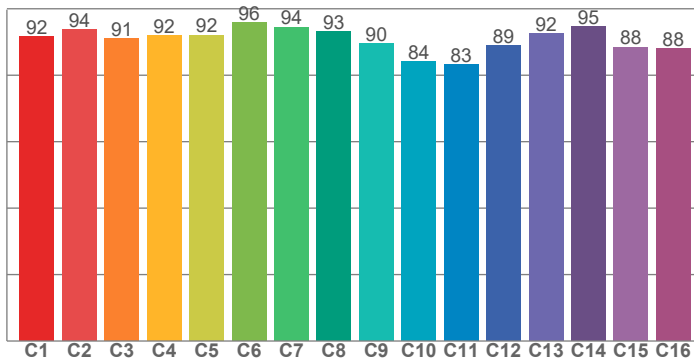
Spectra:



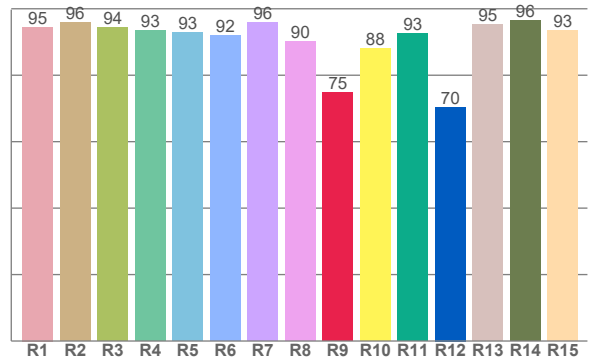
Color Details



TM-30: 90.5



CRI: 93.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.5	95.9	94.5	93.5	92.8	92.1	95.9	90.3	74.9	88.0	92.5	70.4	95.2	96.4	93.5

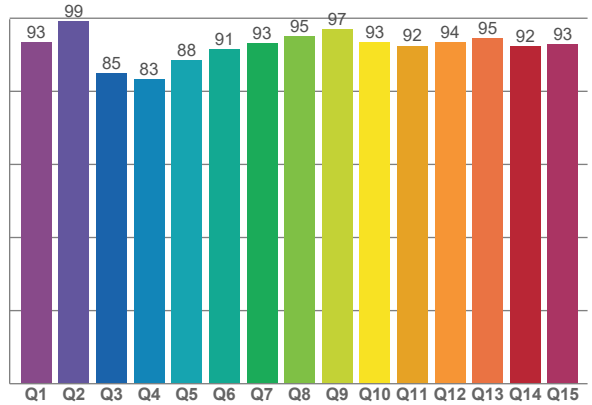
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.7	93.7	91.0	91.9	92.1	95.8	94.5	93.1	89.5	84.0	83.2	88.9	92.4	94.5	88.5	88.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.3	99.1	84.9	83.2	88.4	91.4	93.1	95.1	97.0	93.5	92.5	93.5	94.6	92.4	93.0

CQS: 91.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4069 K	93.7	74.9	90.5	99.0	91.4	0.377	0.372	0.225	0.333	-0.0011

TM-30 Details

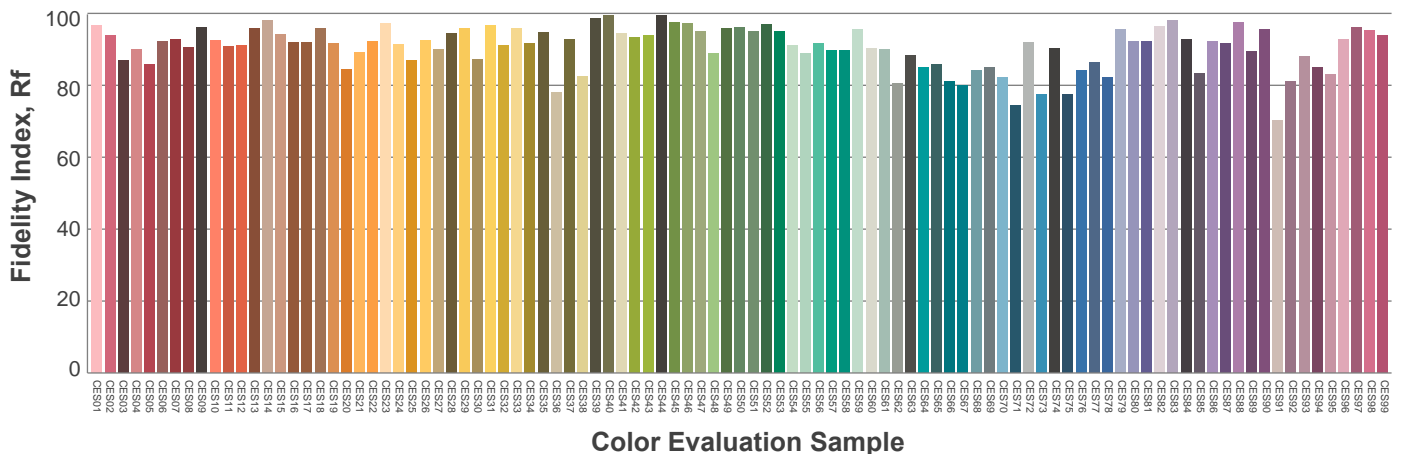
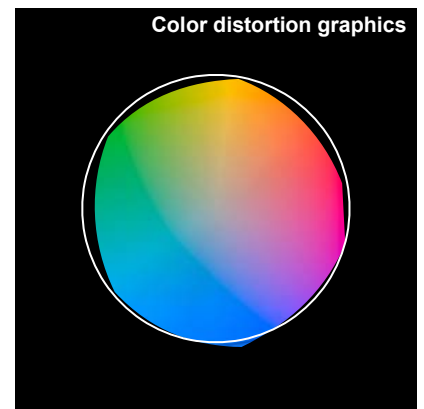
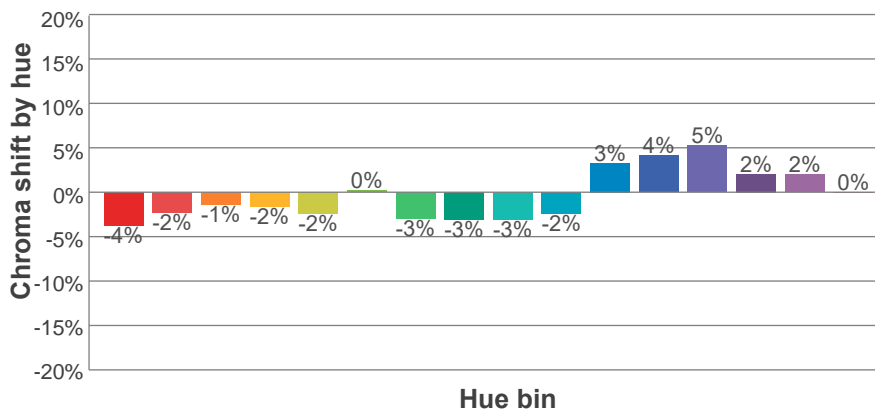
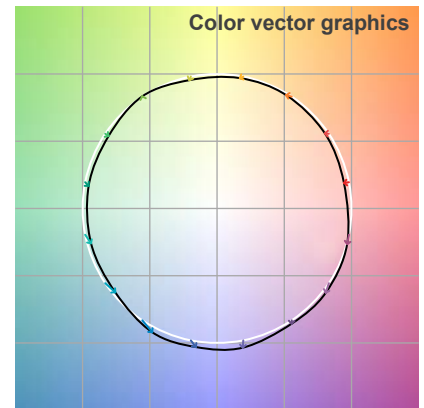
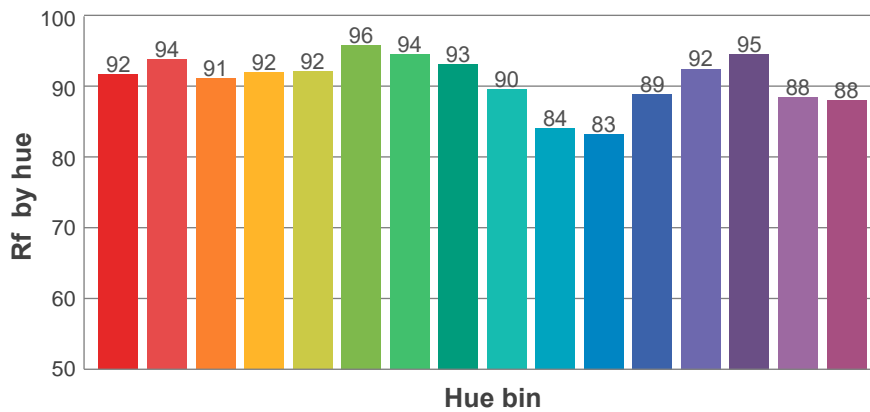
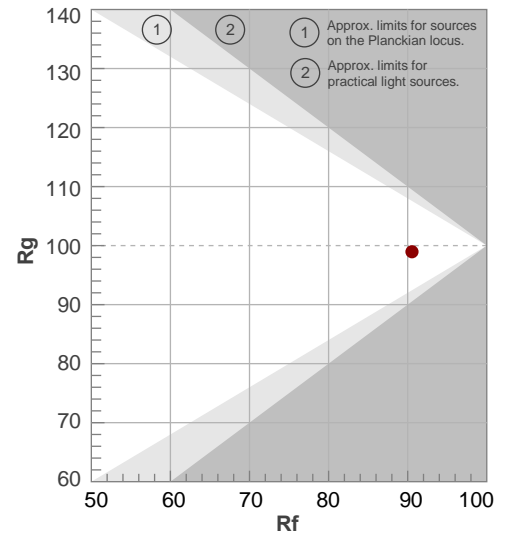
Rf 90.5

Fidelity index Rf

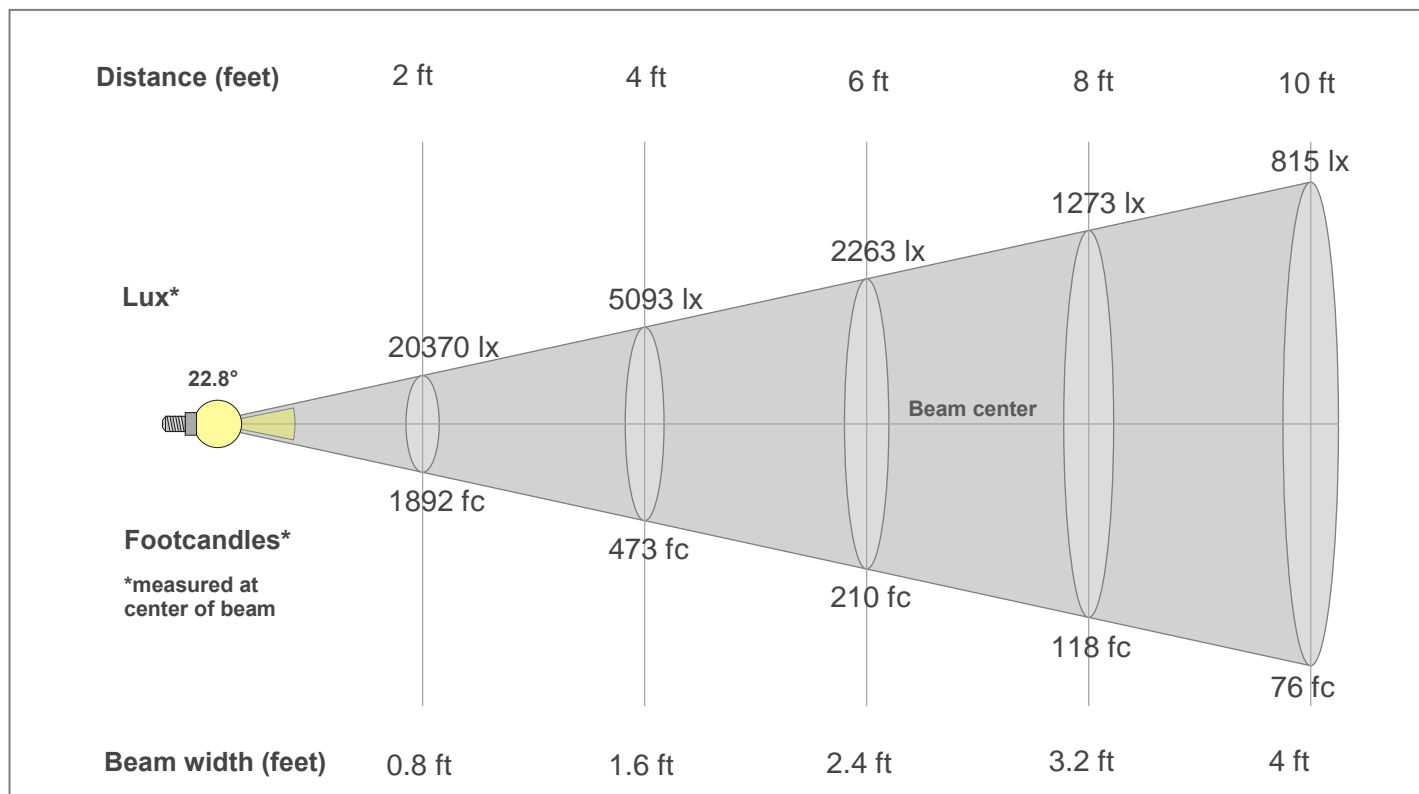
Rg 99.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-2%	2%
3	91	-1%	4%
4	92	-2%	2%
5	92	-2%	2%
6	96	0%	0%
7	94	-3%	0%
8	93	-3%	2%
9	90	-3%	7%
10	84	-2%	10%
11	83	3%	11%
12	89	4%	5%
13	92	5%	-1%
14	95	2%	-1%
15	88	2%	-7%
16	88	0%	-7%



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
7570lx	1892lx	841lx	473lx	303lx	210lx	154lx	118lx	93lx	76lx	63lx	53lx	45lx	39lx	34lx	30lx	26lx	23lx	21lx	19lx
703.3fc	175.8fc	78.1fc	44fc	28.1fc	19.5fc	14.4fc	11fc	8.7fc	7fc	5.8fc	4.9fc	4.2fc	3.6fc	3.1fc	2.7fc	2.4fc	2.2fc	1.9fc	1.8fc

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°
7570	7569	7543	7426	7237	7007	6737	6383	5900	5337	4729	4075	3349	2583	1862	1288	890	645	490	382
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	62%	54%	44%	34%	25%	17%	12%	9%	6%	5%

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°
7570	7569	7543	7426	7237	7007	6737	6383	5900	5337	4729	4075	3349	2583	1862	1288	890	645	490	382
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	62%	54%	44%	34%	25%	17%	12%	9%	6%	5%

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°
7570	7569	7543	7426	7237	7007	6737	6383	5900	5337	4729	4075	3349	2583	1862	1288	890	645	490	382
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	62%	54%	44%	34%	25%	17%	12%	9%	6%	5%

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°
7570	7569	7543	7426	7237	7007	6737	6383	5900	5337	4729	4075	3349	2583	1862	1288	890	645	490	382
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	62%	54%	44%	34%	25%	17%	12%	9%	6%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.8°	32.9°	44.5°	99.5%	99.2%