

Photometric / Colorimetric / Electric Report

Fixture Model:

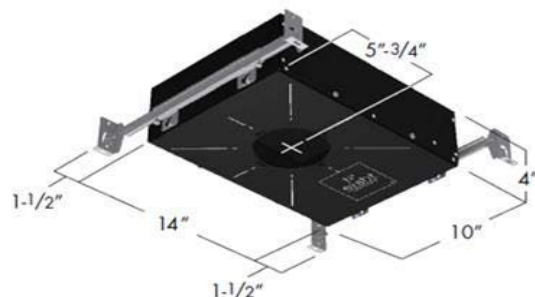
804S-J2S-HI-40-DIM1-8-1400-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

4/4/2022



Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3001 K

CIE 1931:

x: 0.440
y: 0.410

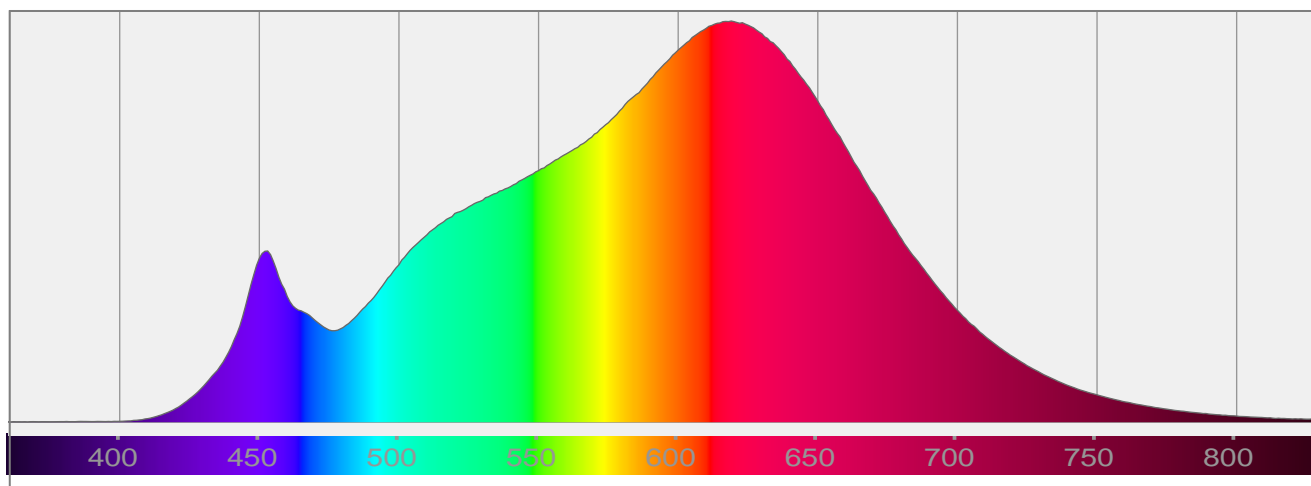
Output: 1319 lm

Peak: 2286 cd

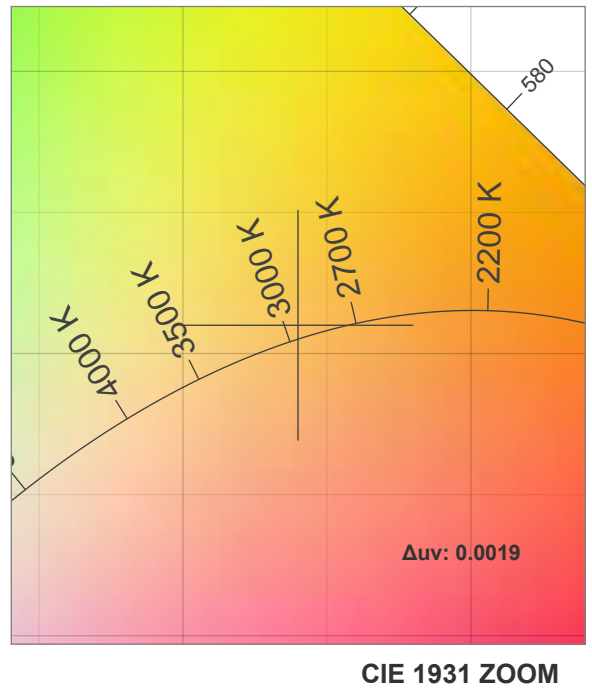
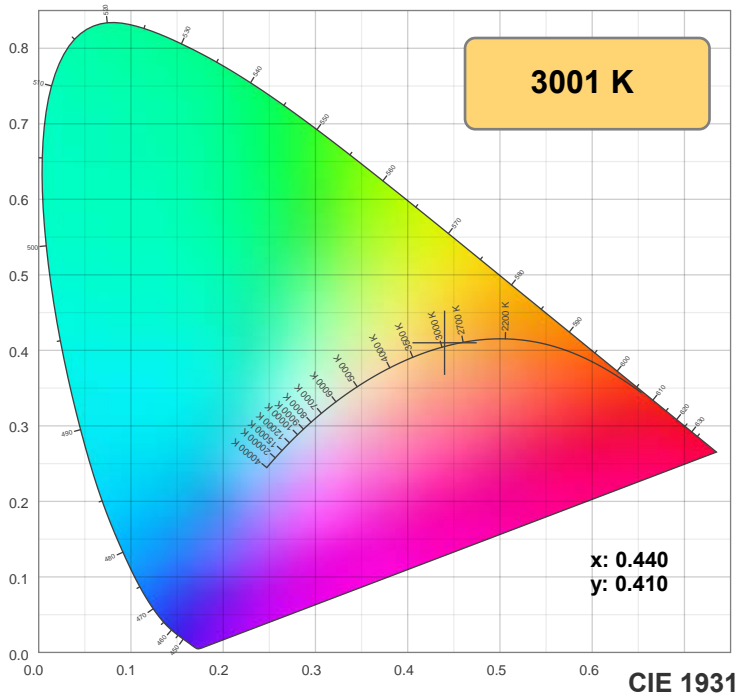
Power: 19.7 W

PF: 0.99

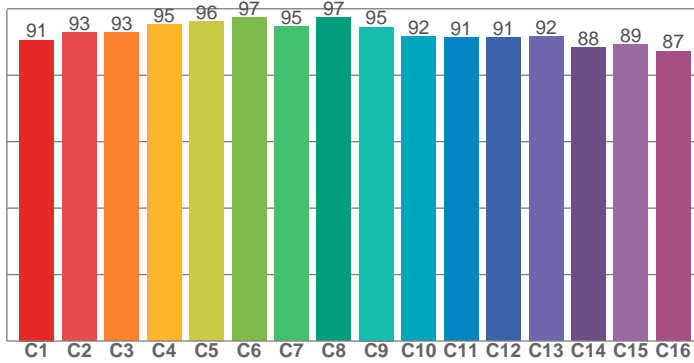
Spectra:



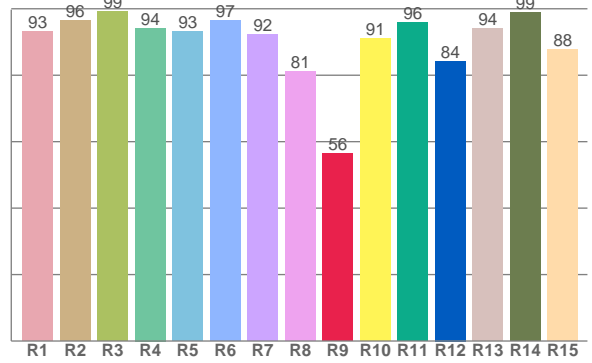
Color Details



TM-30: 92.8



CRI: 93.3 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.2	96.4	99.1	94.2	93.1	96.6	92.4	81.2	56.4	91.1	96.0	84.3	94.1	98.8	87.7

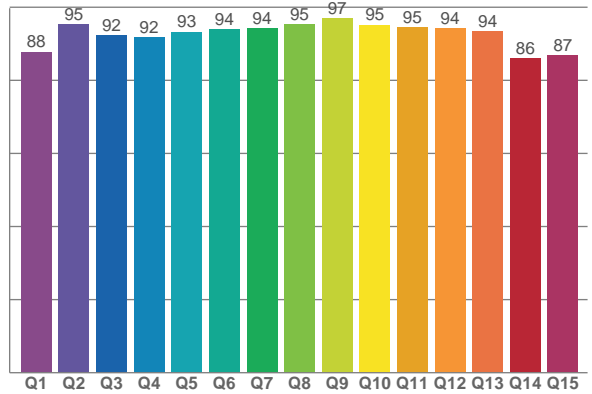
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.6	92.9	92.9	95.3	96.2	97.4	94.6	97.5	94.5	91.6	91.4	91.4	91.7	88.4	89.2	87.3

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.8	95.4	92.2	91.8	93.3	93.9	94.2	95.3	97.0	95.2	94.6	94.3	93.5	86.1	86.8

CQS: 91.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3001 K	93.3	56.4	92.8	97.8	91.9	0.440	0.410	0.250	0.349	0.0019

TM-30 Details

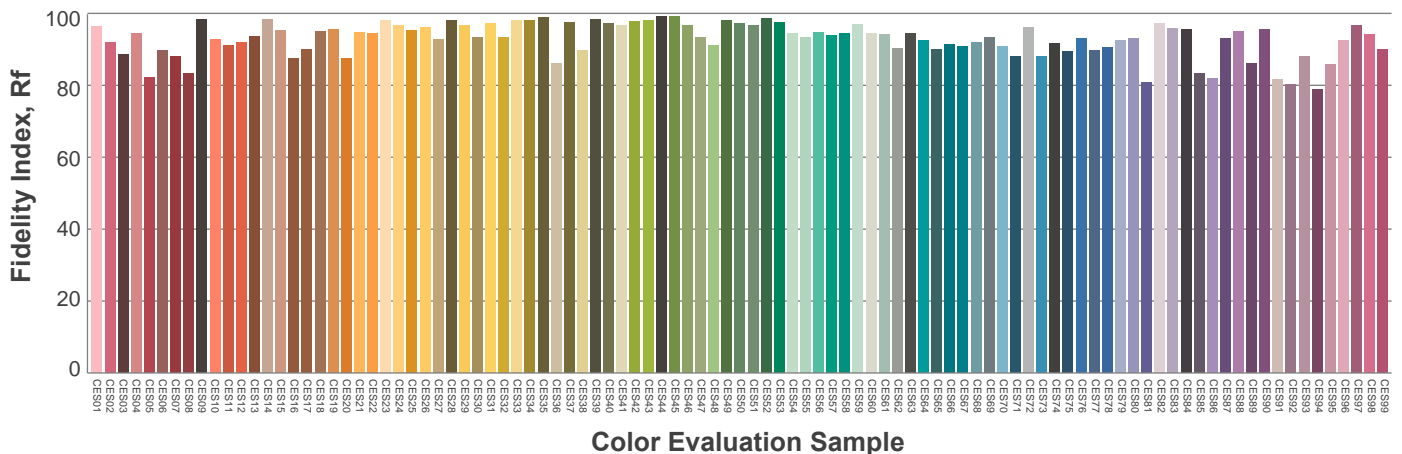
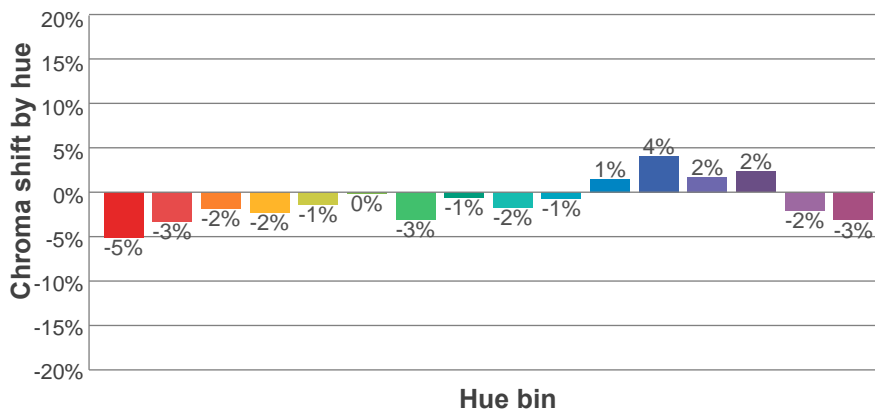
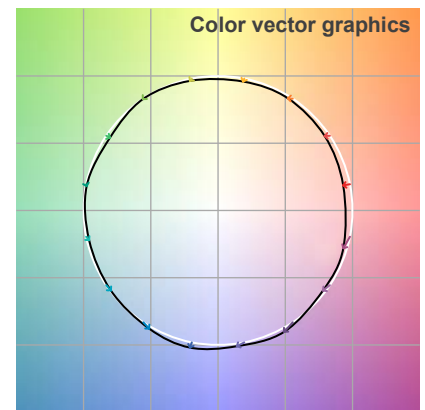
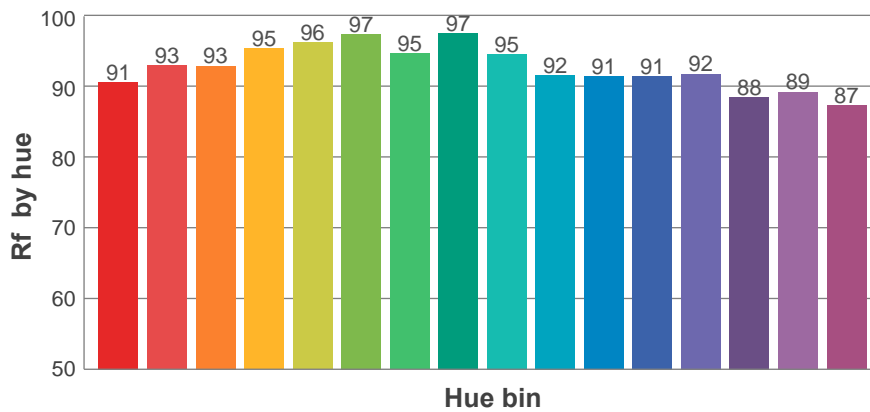
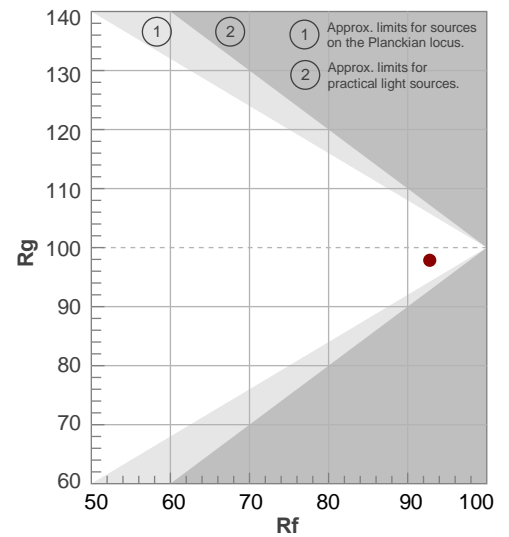
Rf 92.8

Fidelity index Rf

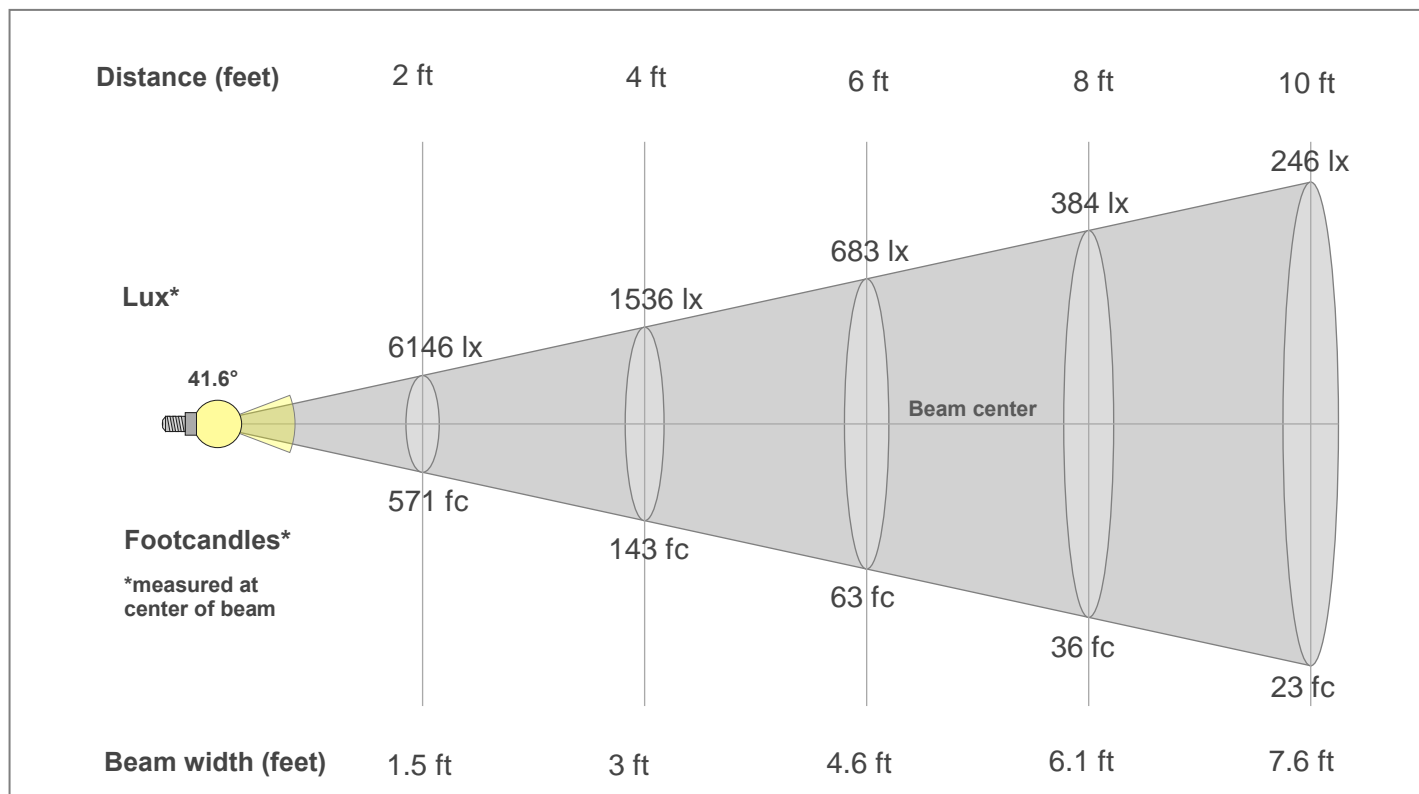
Rg 97.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	93	-2%	3%
4	95	-2%	0%
5	96	-1%	2%
6	97	0%	0%
7	95	-3%	0%
8	97	-1%	1%
9	95	-2%	3%
10	92	-1%	5%
11	91	1%	6%
12	91	4%	-1%
13	92	2%	-6%
14	88	2%	-9%
15	89	-2%	-6%
16	87	-3%	-9%



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
2284lx	571lx	254lx	143lx	91lx	63lx	47lx	36lx	28lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
212.2fc	53fc	23.6fc	13.3fc	8.5fc	5.9fc	4.3fc	3.3fc	2.6fc	2.1fc	1.8fc	1.5fc	1.3fc	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°
2284	2272	2237	2180	2093	1985	1855	1714	1555	1384	1211	1043	884	747	631	525	434	351	278	212
100%	99%	98%	95%	92%	87%	81%	75%	68%	61%	53%	46%	39%	33%	28%	23%	19%	15%	12%	9%

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°
2284	2273	2234	2170	2087	1982	1856	1713	1557	1385	1209	1037	876	739	625	525	437	359	291	231
100%	100%	98%	95%	91%	87%	81%	75%	68%	61%	53%	45%	38%	32%	27%	23%	19%	16%	13%	10%

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°
2284	2268	2231	2166	2079	1972	1846	1707	1553	1384	1211	1041	879	737	619	517	428	349	284	229
100%	99%	98%	95%	91%	86%	81%	75%	68%	61%	53%	46%	38%	32%	27%	23%	19%	15%	12%	10%

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°
2284	2273	2234	2170	2087	1982	1856	1713	1557	1385	1209	1037	876	739	625	525	437	359	291	231
100%	100%	98%	95%	91%	87%	81%	75%	68%	61%	53%	45%	38%	32%	27%	23%	19%	16%	13%	10%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
41.6°	75.8°	96.4°	99.6%	96.5%