

Photometric / Colorimetric / Electric Report

Fixture Model:

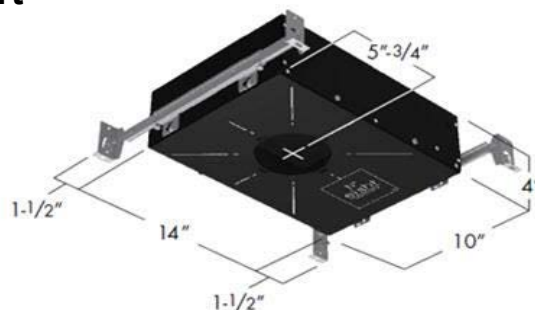
804S-J2S-HI-40-DIM1-8-1400-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

3/14/2022



Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 93.2

Color temperature:

2991 K

CIE 1931:

x: 0.440
y: 0.410

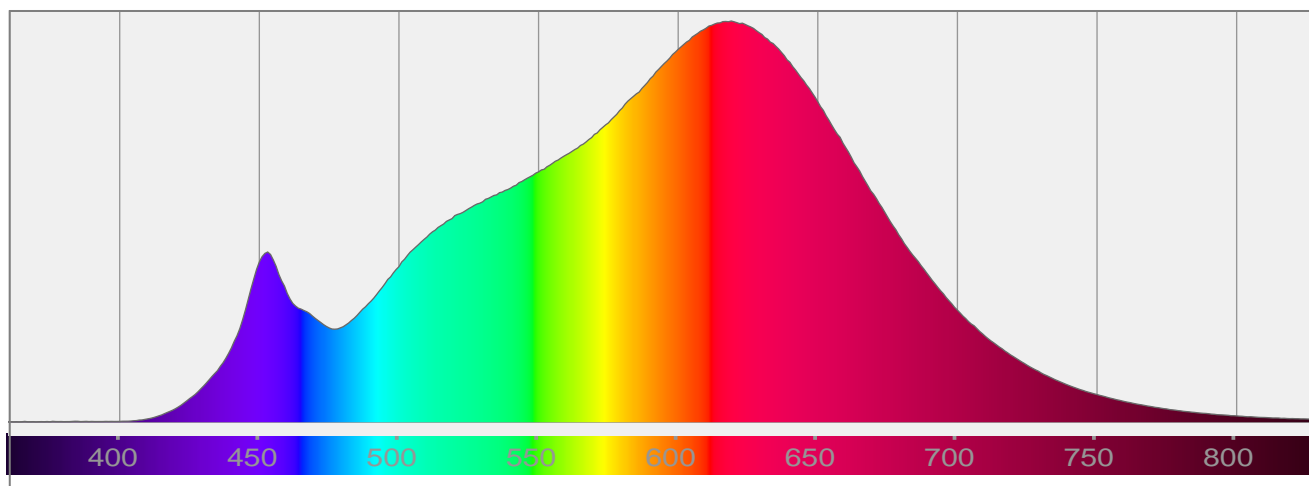
Output: 1300 lm

Peak: 2238 cd

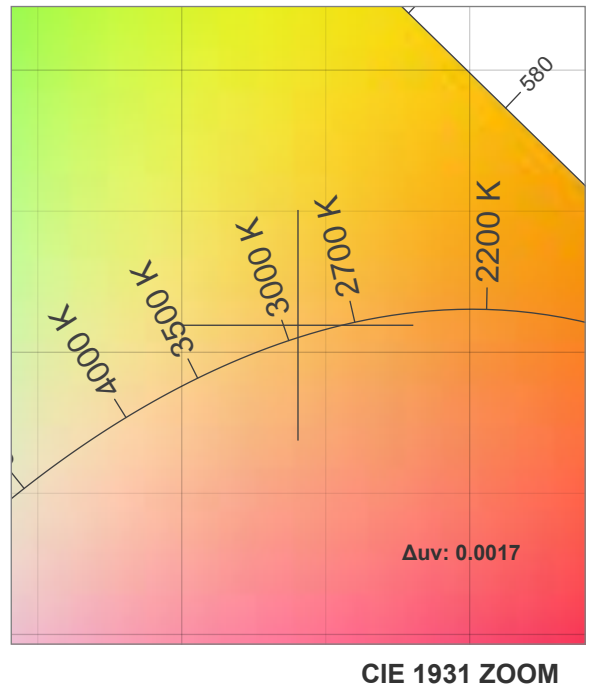
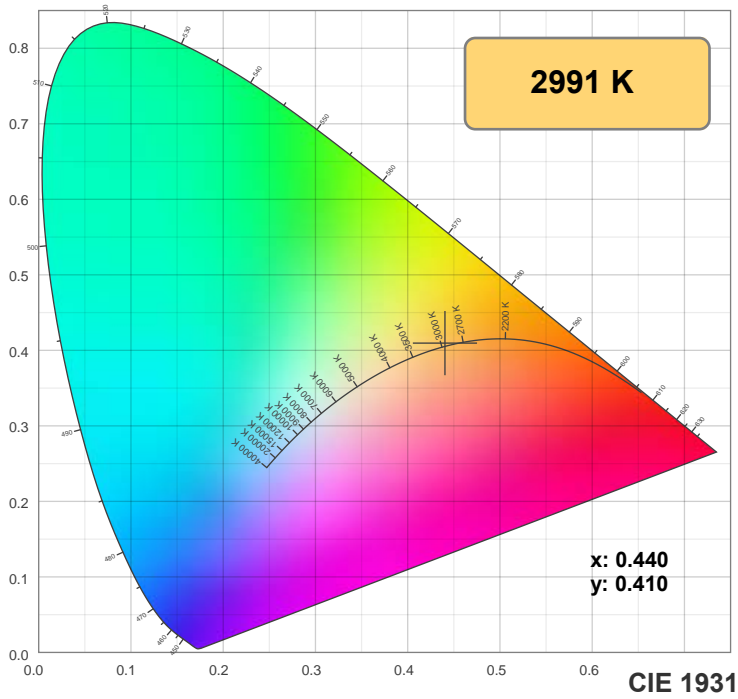
Power: 19.8 W

PF: 0.99

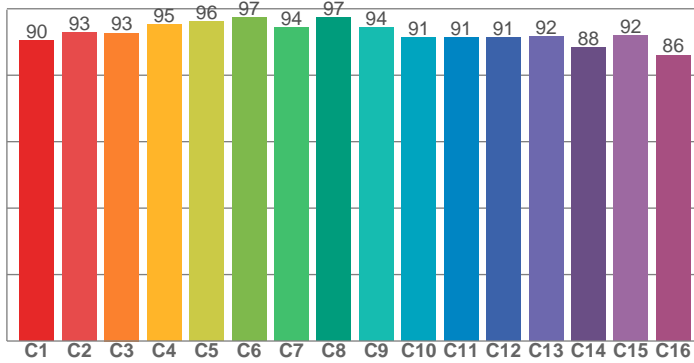
Spectra:



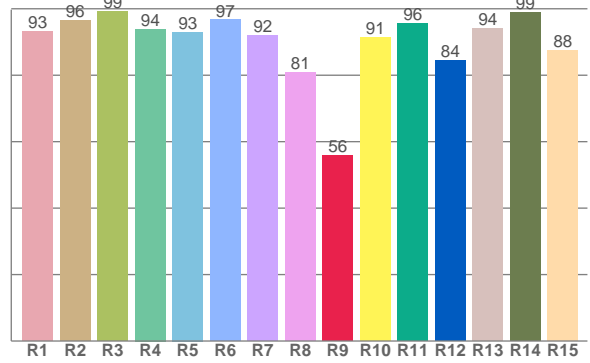
Color Details



TM-30: 92.6



CRI: 93.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.1	96.5	99.3	93.9	93.0	96.6	92.0	80.7	55.8	91.3	95.7	84.4	94.1	99.0	87.6

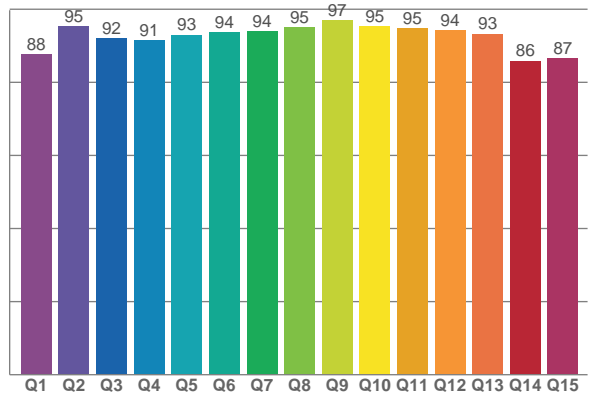
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.4	92.7	92.7	95.2	96.1	97.3	94.4	97.3	94.2	91.3	91.2	91.3	91.6	88.3	92.0	86.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.6	95.3	92.1	91.5	93.0	93.7	94.0	95.0	97.1	95.4	94.7	94.2	93.3	85.9	86.6

CQS: 91.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2991 K	93.2	55.8	92.6	97.7	91.8	0.440	0.410	0.250	0.349	0.0017

TM-30 Details

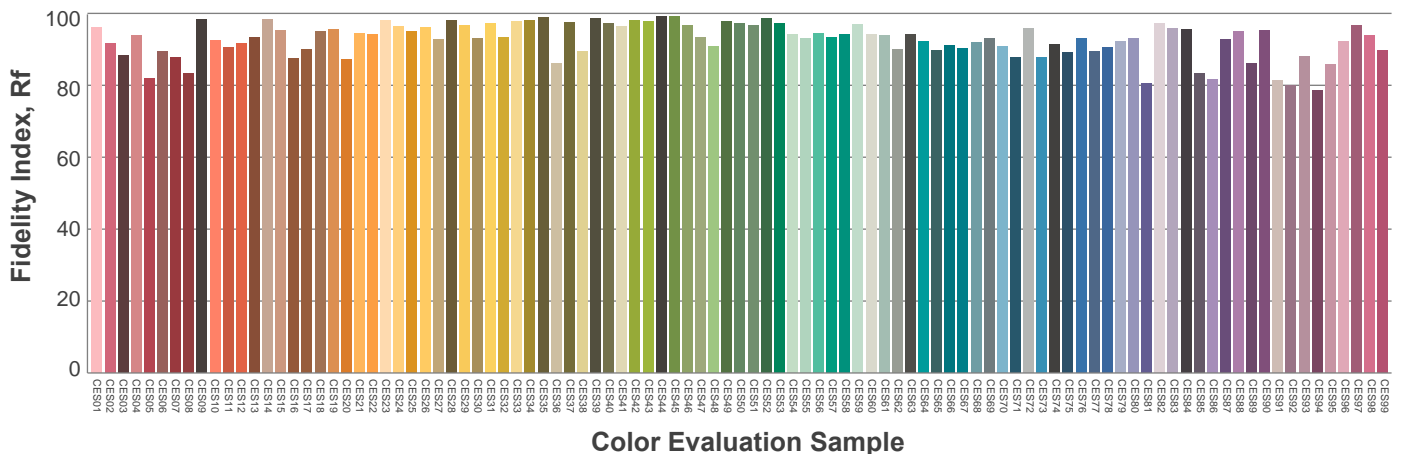
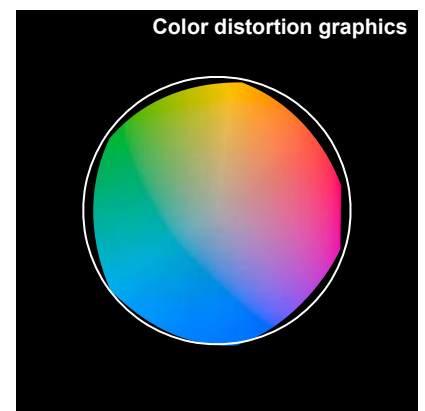
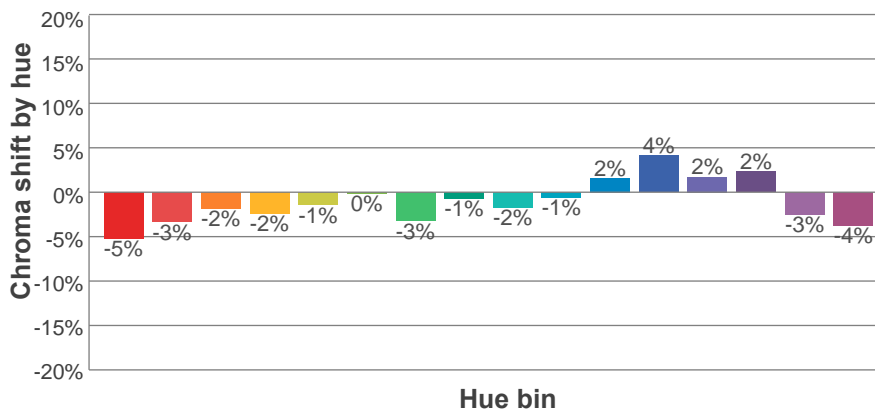
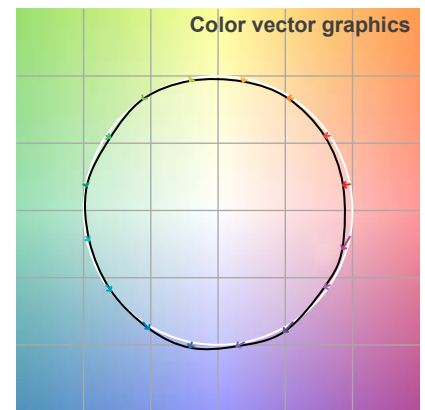
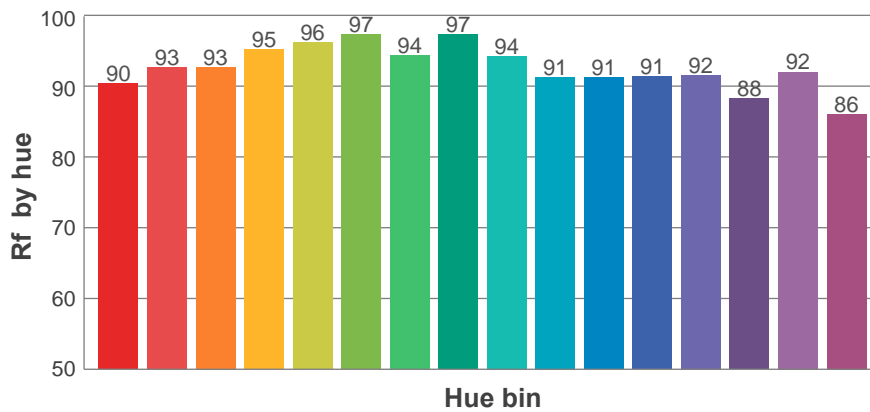
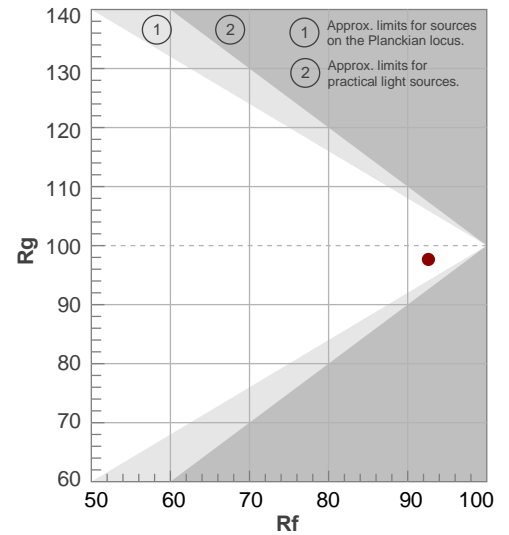
Rf 92.6

Fidelity index Rf

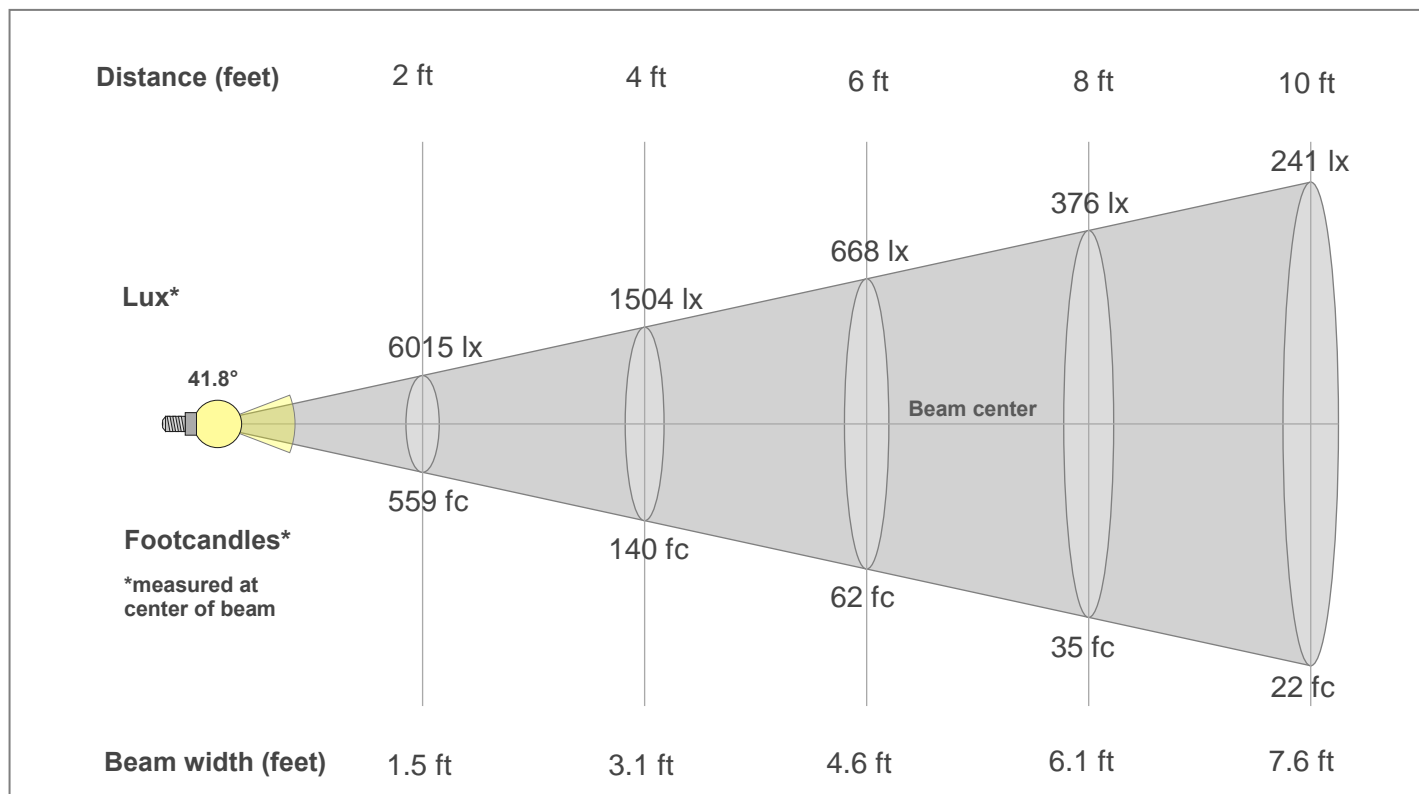
Rg 97.7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	93	-3%	2%
3	93	-2%	3%
4	95	-2%	0%
5	96	-1%	2%
6	97	0%	0%
7	94	-3%	0%
8	97	-1%	1%
9	94	-2%	3%
10	91	-1%	5%
11	91	2%	6%
12	91	4%	-1%
13	92	2%	-6%
14	88	2%	-9%
15	92	-3%	-4%
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
2235lx	559lx	248lx	140lx	89lx	62lx	46lx	35lx	28lx	22lx	18lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
207.6fc	51.9fc	23.1fc	13fc	8.3fc	5.8fc	4.2fc	3.2fc	2.6fc	2.1fc	1.7fc	1.4fc	1.2fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	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°
2235	2225	2189	2128	2046	1941	1820	1688	1534	1366	1197	1034	878	746	633	529	438	358	288	225
100%	100%	98%	95%	92%	87%	81%	76%	69%	61%	54%	46%	39%	33%	28%	24%	20%	16%	13%	10%

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°
2235	2221	2186	2132	2052	1947	1826	1688	1534	1365	1193	1025	868	734	620	520	432	355	285	226
100%	99%	98%	95%	92%	87%	82%	76%	69%	61%	53%	46%	39%	33%	28%	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°
2235	2229	2196	2141	2063	1958	1836	1696	1544	1374	1201	1031	872	730	615	512	419	342	275	216
100%	100%	98%	96%	92%	88%	82%	76%	69%	61%	54%	46%	39%	33%	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°
2235	2221	2186	2132	2052	1947	1826	1688	1534	1365	1193	1025	868	734	620	520	432	355	285	226
100%	99%	98%	95%	92%	87%	82%	76%	69%	61%	53%	46%	39%	33%	28%	23%	19%	16%	13%	10%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
41.8°	76°	95.7°	99.6%	96.7%