

## Photometric / Colorimetric / Electric Report

Fixture Model:

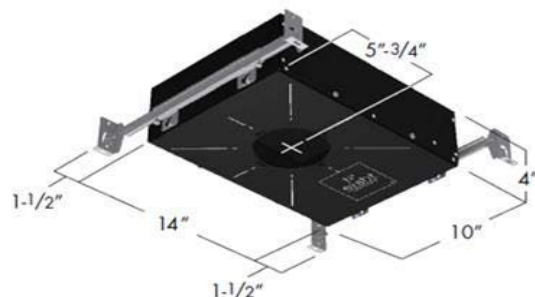
804S-J2S-HI-40-DIM1-8-1000-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

4/4/2022



Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 93.7

Color temperature:

2985 K

CIE 1931:

x: 0.441  
y: 0.411

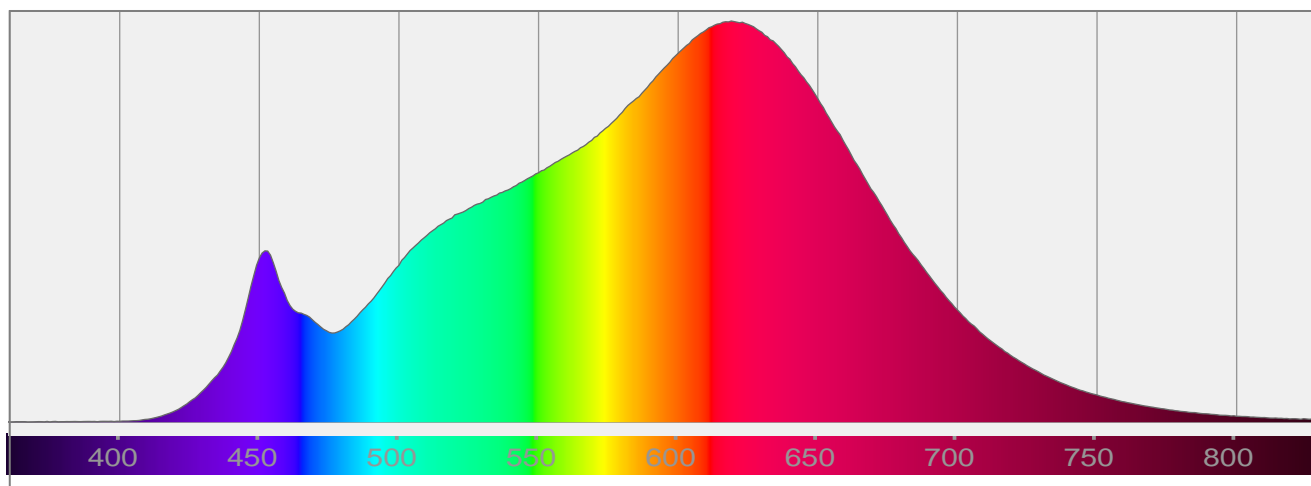
Output: 1008 lm

Peak: 1747 cd

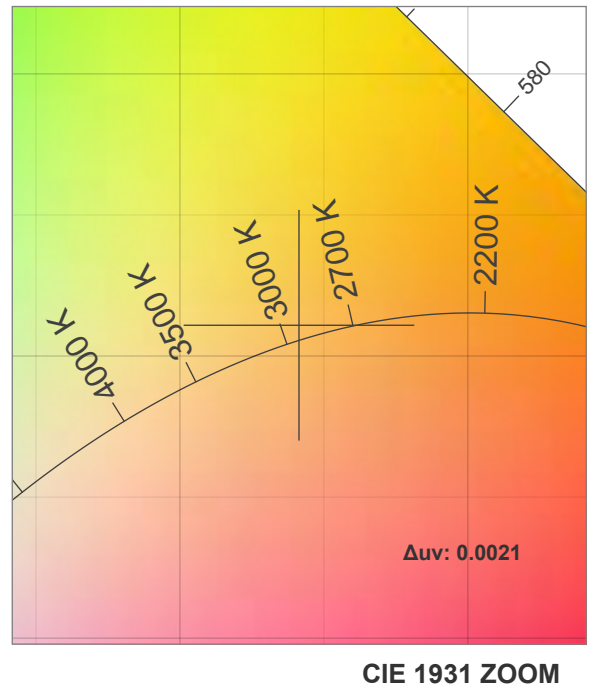
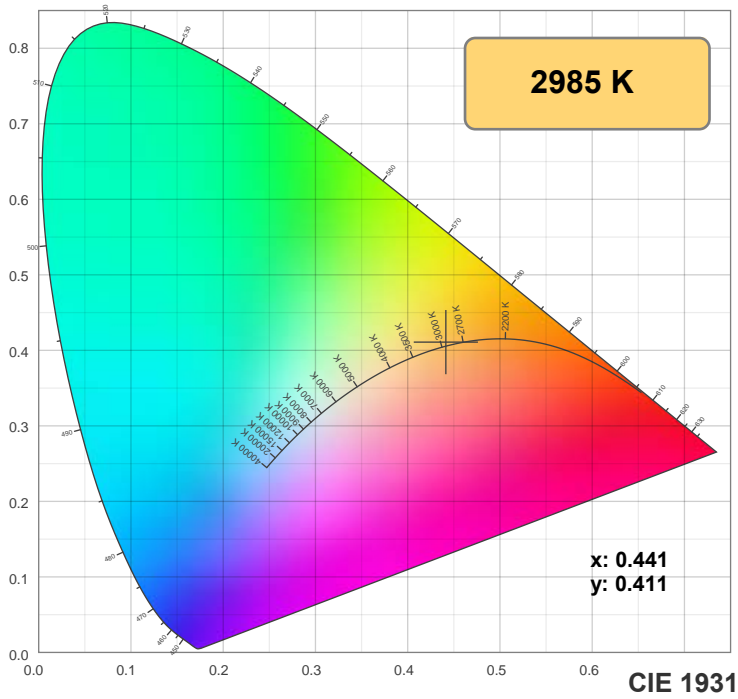
Power: 13.9 W

PF: 0.99

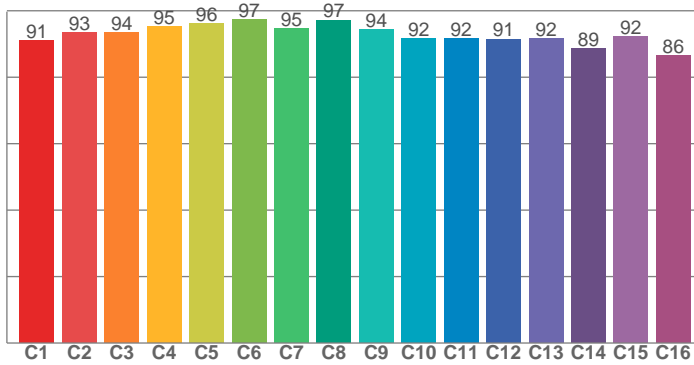
Spectra:



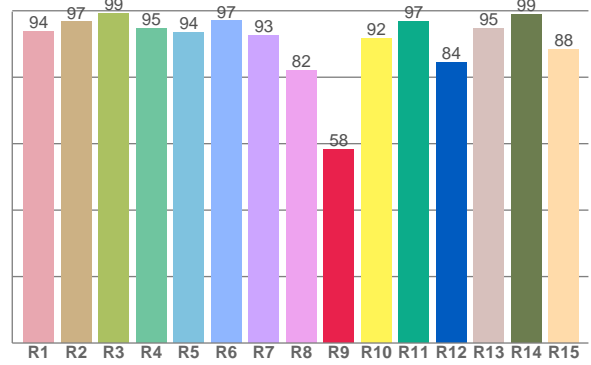
## Color Details



TM-30: 92.9



CRI: 93.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.7	96.6	99.2	94.7	93.6	96.9	92.7	82.0	58.2	91.7	96.7	84.4	94.6	98.8	88.3

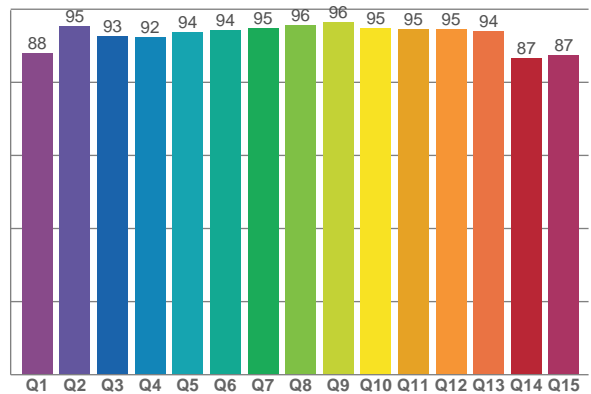
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.9	93.4	93.5	95.2	96.1	97.3	94.5	97.2	94.4	91.7	91.6	91.5	91.7	88.6	92.3	86.4

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.1	95.3	92.6	92.2	93.7	94.3	94.7	95.6	96.4	94.8	94.6	94.6	94.0	86.7	87.3

CQS: 92.2



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2985 K	93.7	58.2	92.9	97.7	92.2	0.441	0.411	0.250	0.350	0.0021

# TM-30 Details

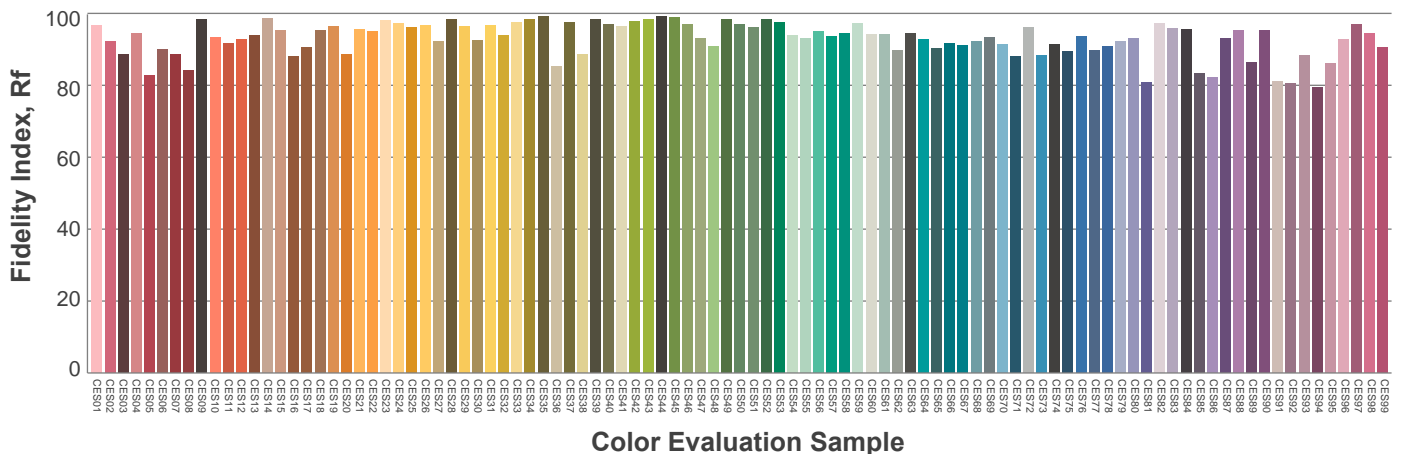
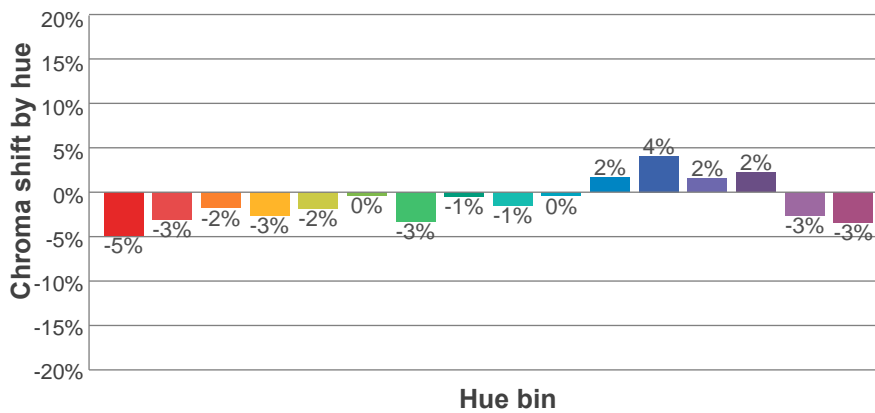
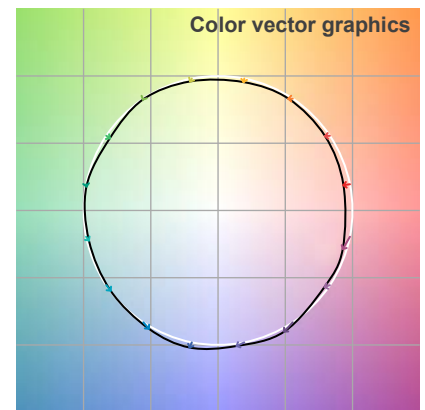
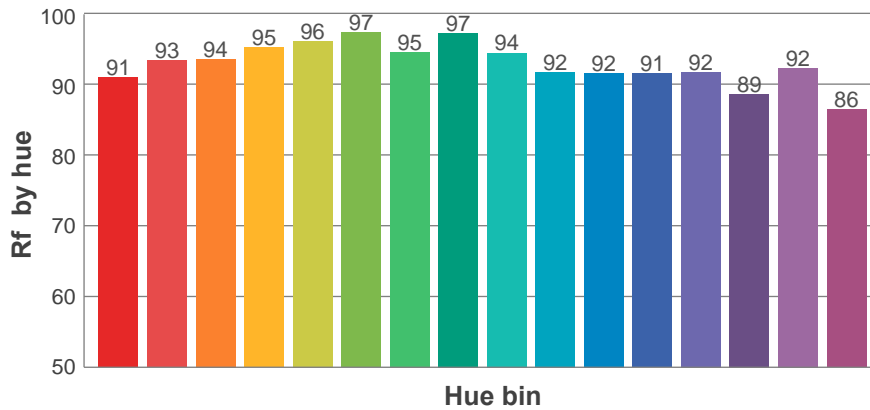
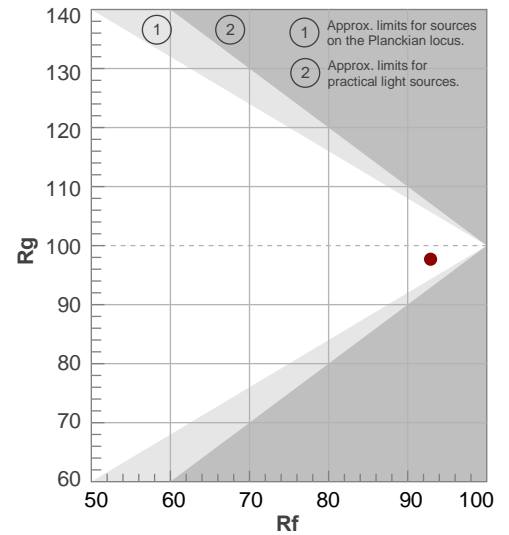
**Rf 92.9**

Fidelity index Rf

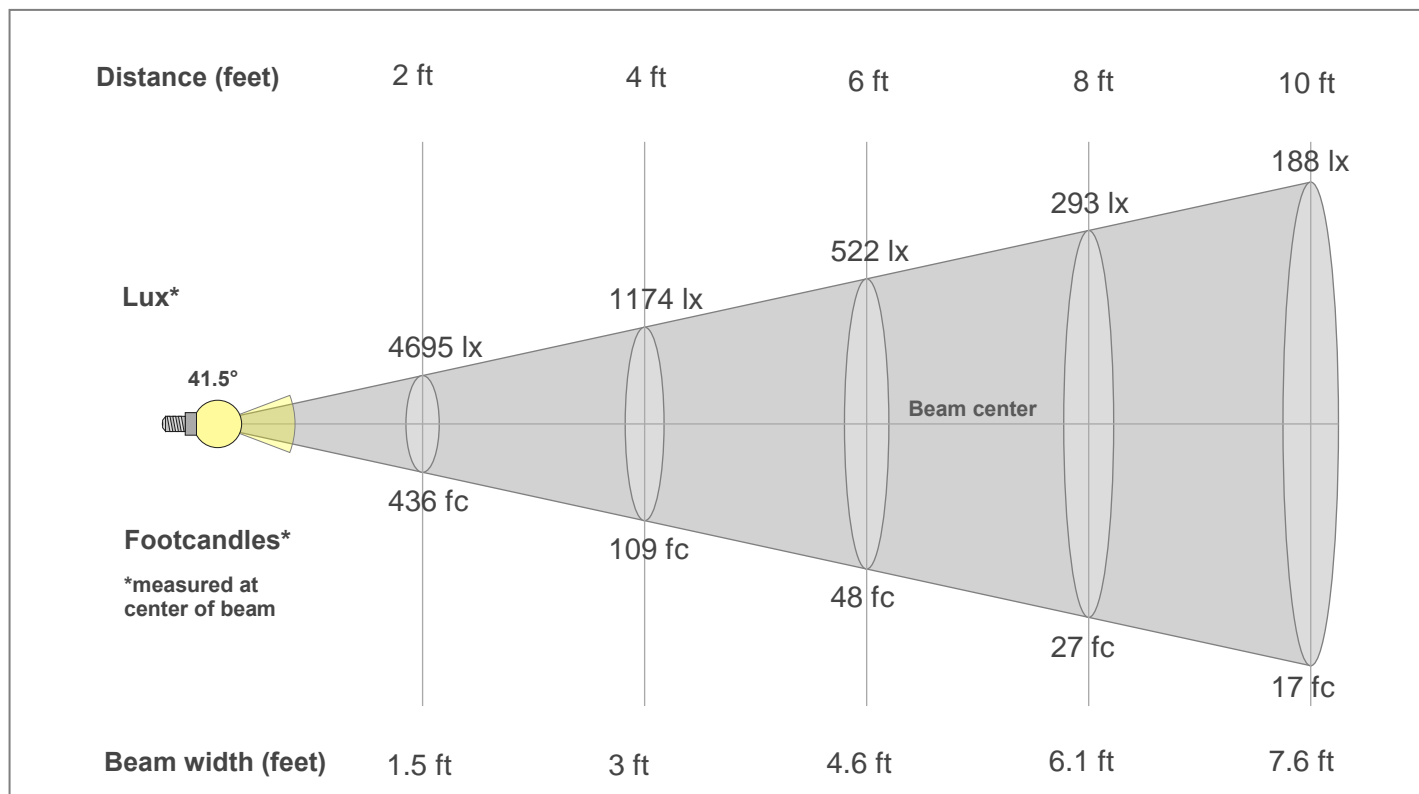
**Rg 97.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	94	-2%	3%
4	95	-3%	0%
5	96	-2%	2%
6	97	0%	1%
7	95	-3%	0%
8	97	-1%	2%
9	94	-1%	3%
10	92	0%	5%
11	92	2%	6%
12	91	4%	-1%
13	92	2%	-6%
14	89	2%	-9%
15	92	-3%	-3%
16	86	-3%	-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
1745lx	436lx	194lx	109lx	70lx	48lx	36lx	27lx	22lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
162.1fc	40.5fc	18fc	10.1fc	6.5fc	4.5fc	3.3fc	2.5fc	2fc	1.6fc	1.3fc	1.1fc	1fc	0.8fc	0.7fc	0.6fc	0.6fc	0.5fc	0.4fc	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°
1745	1738	1711	1667	1600	1516	1418	1309	1188	1058	926	795	674	569	481	400	331	268	212	162
100%	100%	98%	96%	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°
1745	1733	1704	1657	1592	1512	1416	1307	1187	1055	921	790	667	563	476	400	333	274	222	176
100%	99%	98%	95%	91%	87%	81%	75%	68%	60%	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°
1745	1734	1705	1657	1590	1508	1411	1304	1187	1058	925	795	672	564	473	395	327	268	217	175
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°
1745	1733	1704	1657	1592	1512	1416	1307	1187	1055	921	790	667	563	476	400	333	274	222	176
100%	99%	98%	95%	91%	87%	81%	75%	68%	60%	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°
41.5°	75.8°	96.4°	99.6%	96.5%