

## Photometric / Colorimetric / Electric Report

Fixture Model:

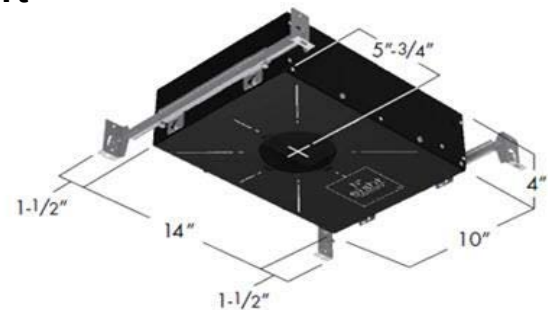
804S-J2S-HI-40-DIM1-8-1000-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

3/14/2022



Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 93.6

Color temperature:

2976 K

CIE 1931:

x: 0.442  
y: 0.411

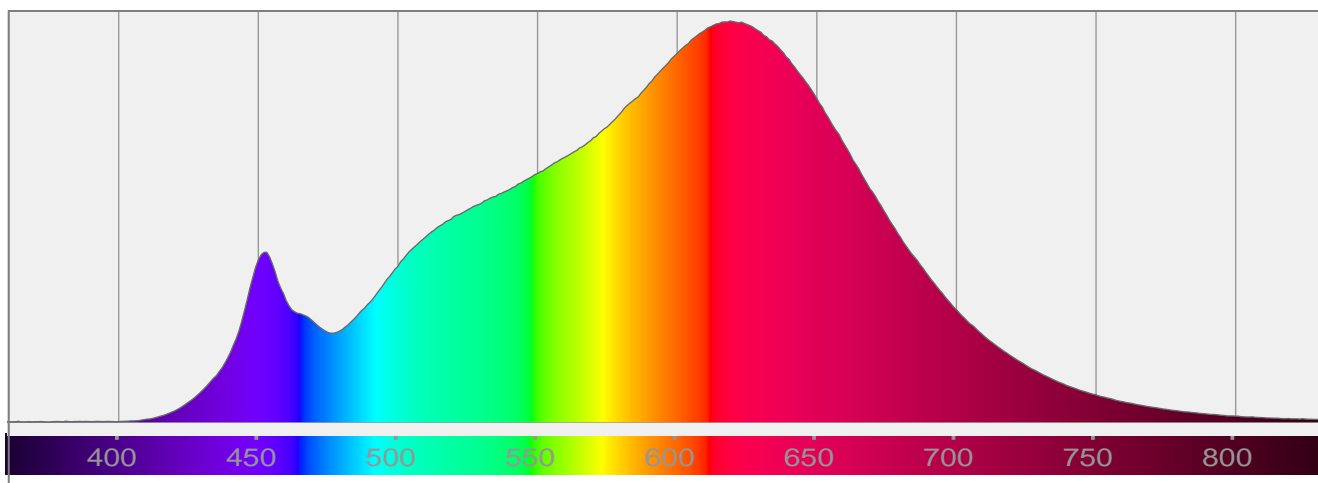
Output: 992 lm

Peak: 1711 cd

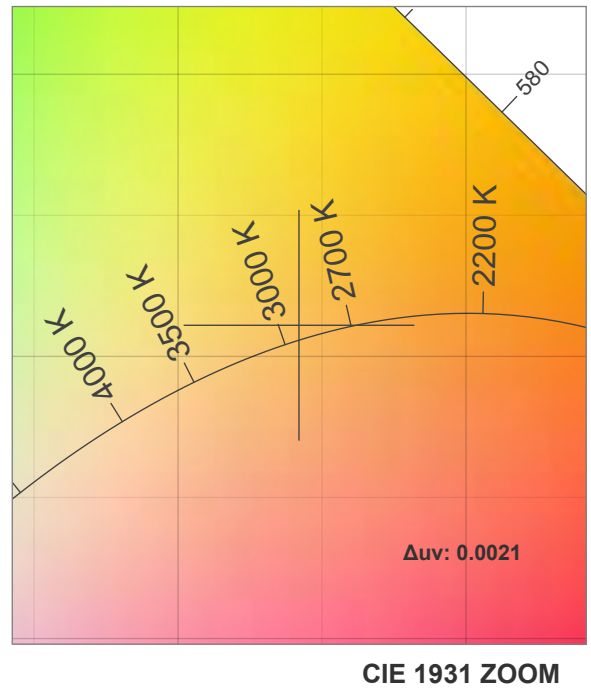
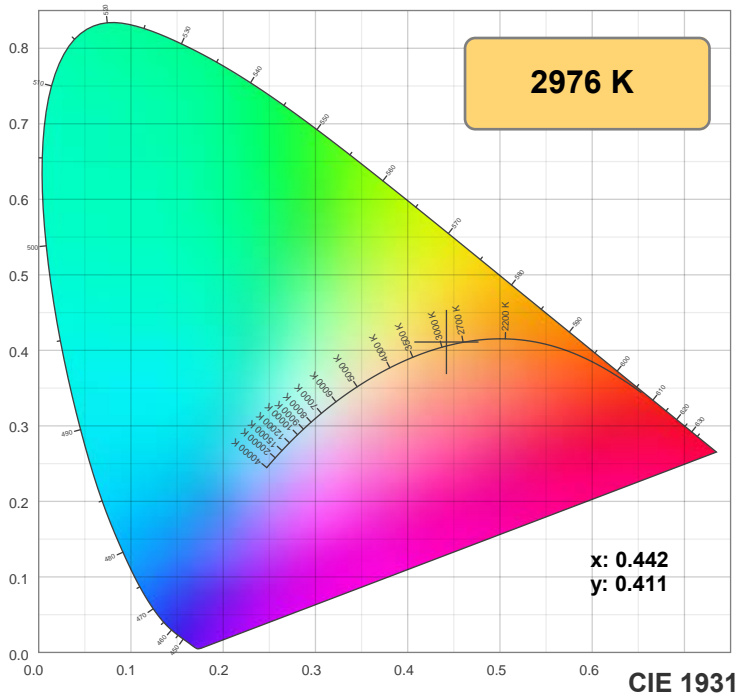
Power: 13.9 W

PF: 0.99

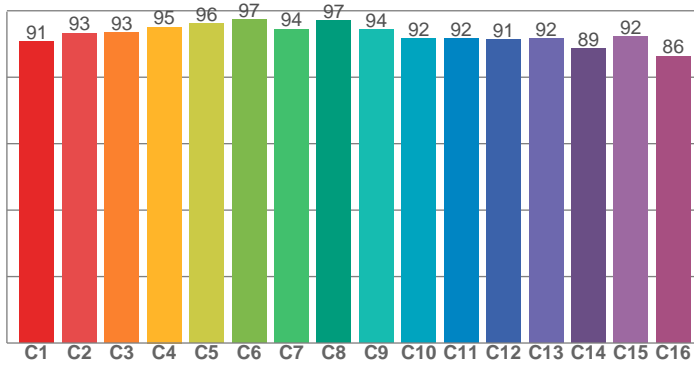
Spectra:



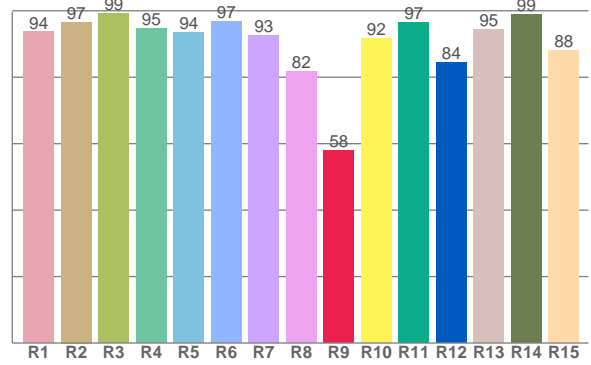
## Color Details



**TM-30: 92.8**



**CRI: 93.6 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.6	96.6	99.2	94.6	93.5	96.9	92.6	81.8	58.0	91.7	96.6	84.4	94.5	98.8	88.2

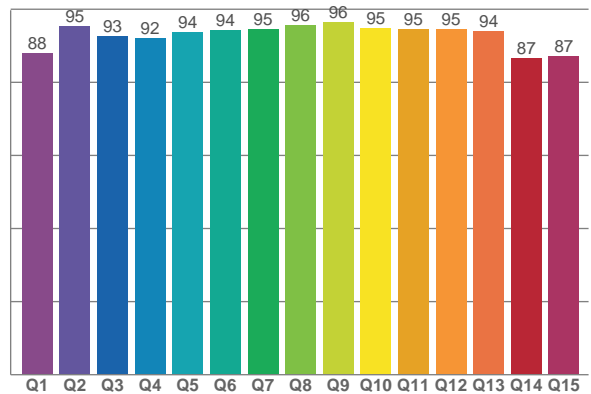
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.8	93.3	93.4	95.1	96.1	97.3	94.5	97.2	94.4	91.6	91.5	91.5	91.7	88.5	92.2	86.4

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.0	95.3	92.6	92.1	93.6	94.2	94.6	95.6	96.4	94.8	94.6	94.5	93.9	86.6	87.2

**CQS: 92.1**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2976 K	93.6	58.0	92.8	97.7	92.1	0.442	0.411	0.251	0.350	0.0021

# TM-30 Details

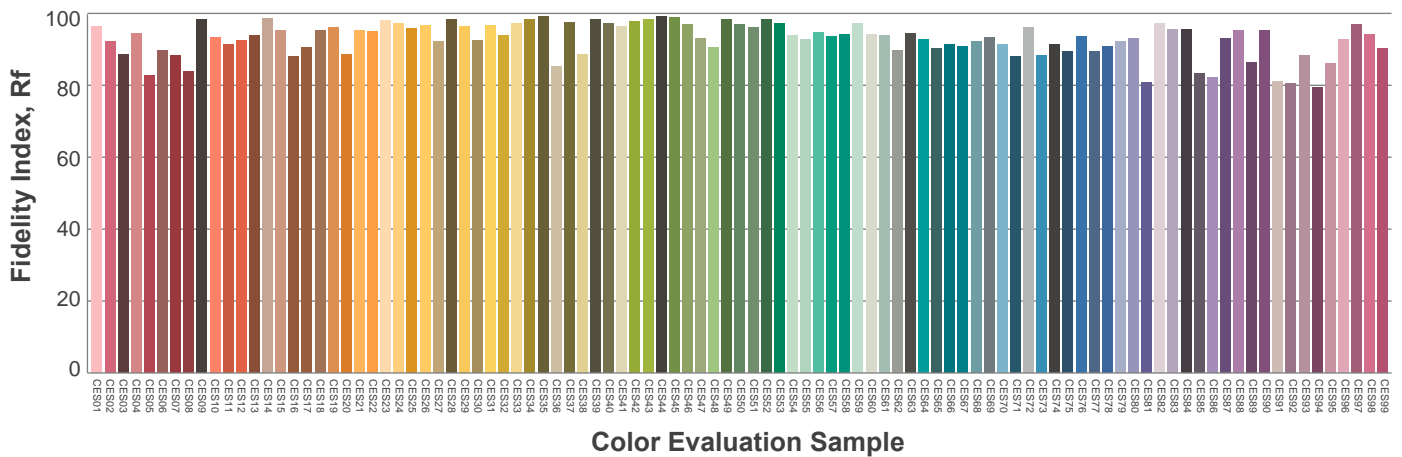
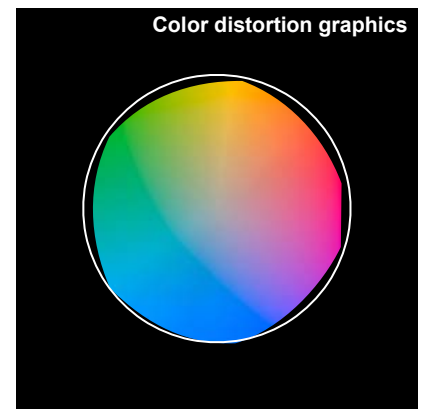
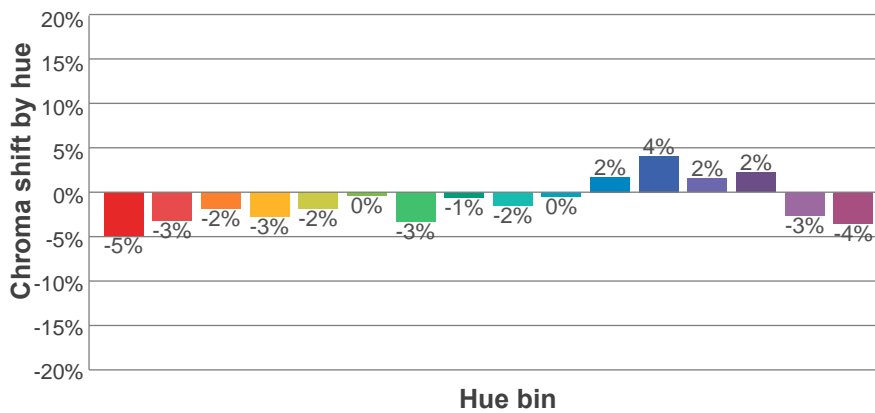
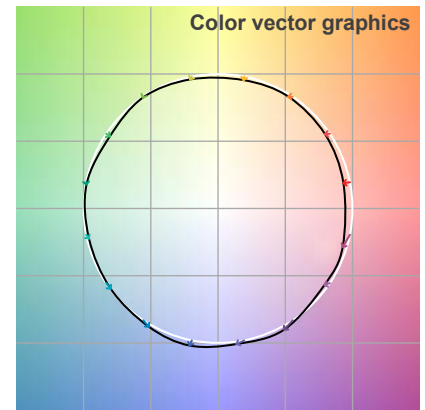
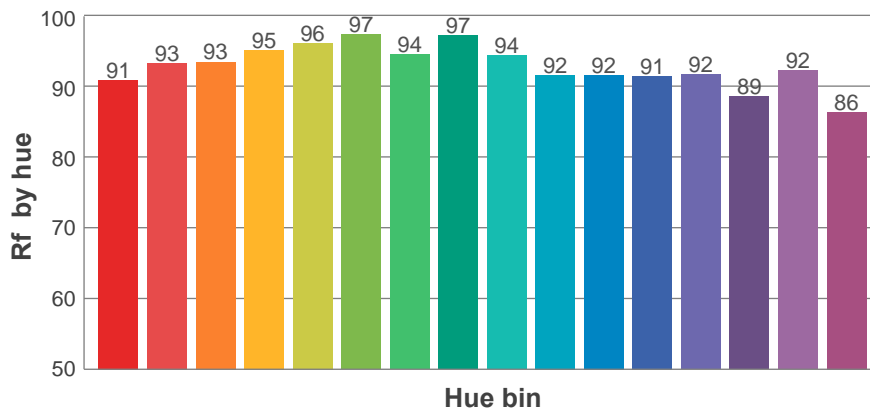
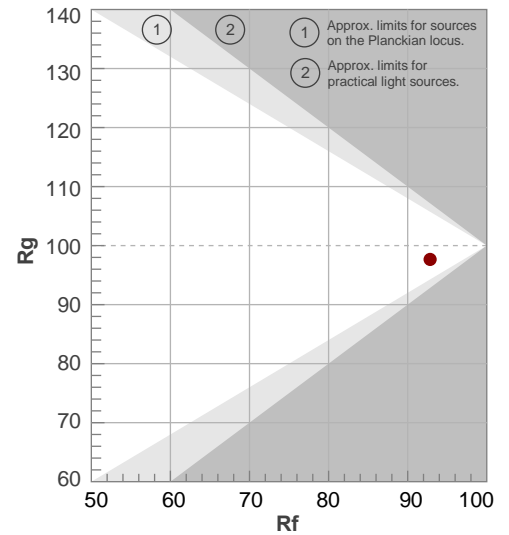
**Rf 92.8**

Fidelity index Rf

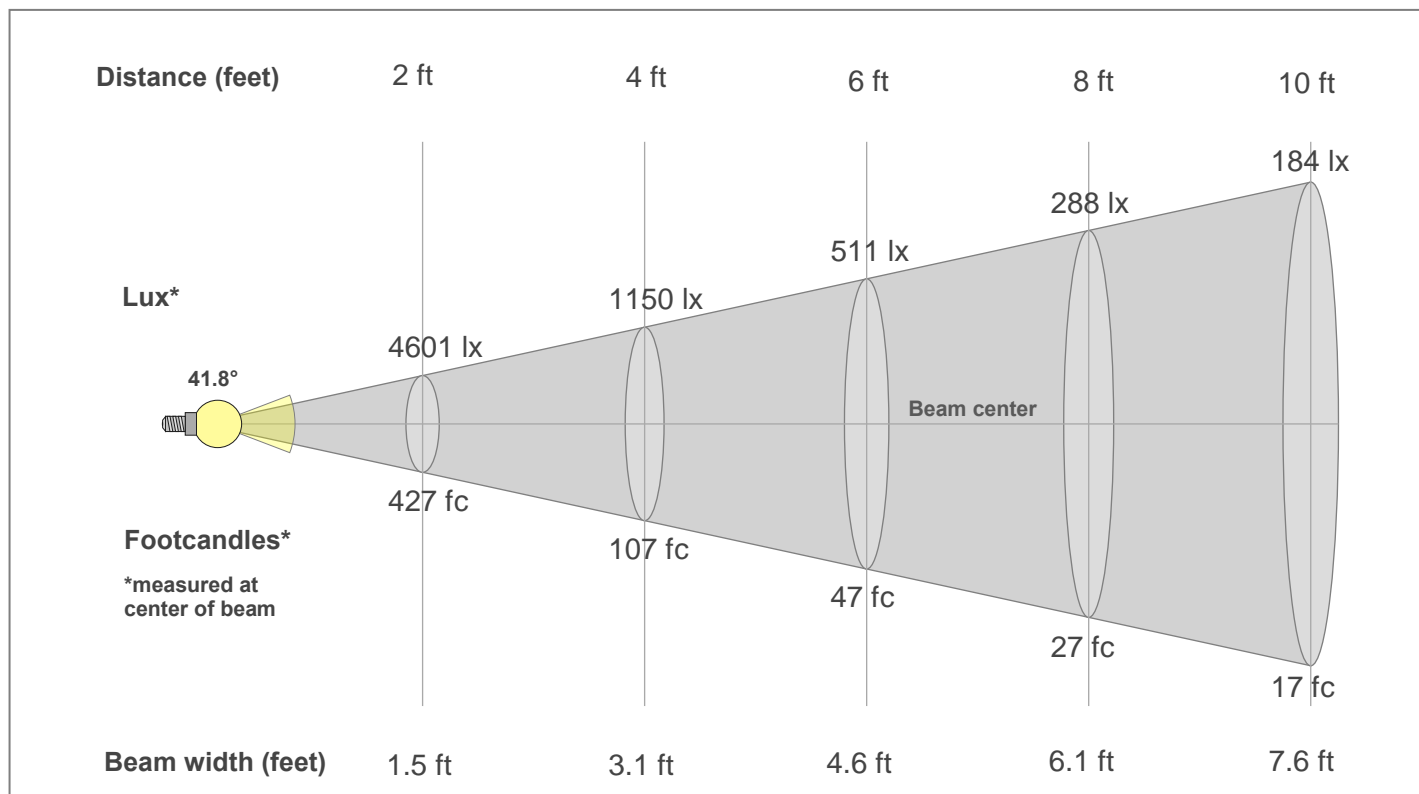
**Rg 97.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	93	-2%	3%
4	95	-3%	0%
5	96	-2%	2%
6	97	0%	1%
7	94	-3%	0%
8	97	-1%	2%
9	94	-2%	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	-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
1710lx	427lx	190lx	107lx	68lx	47lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
158.8fc	39.7fc	17.6fc	9.9fc	6.4fc	4.4fc	3.2fc	2.5fc	2fc	1.6fc	1.3fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	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°
1710	1701	1674	1628	1564	1484	1391	1289	1171	1045	915	789	669	570	482	403	334	272	218	168
100%	99%	98%	95%	91%	87%	81%	75%	68%	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°
1710	1699	1672	1629	1567	1487	1394	1288	1171	1042	910	782	662	560	473	396	330	270	217	172
100%	99%	98%	95%	92%	87%	82%	75%	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°
1710	1705	1680	1638	1576	1496	1403	1295	1180	1050	917	786	666	560	469	391	322	262	211	167
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°
1710	1699	1672	1629	1567	1487	1394	1288	1171	1042	910	782	662	560	473	396	330	270	217	172
100%	99%	98%	95%	92%	87%	82%	75%	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°	75.9°	95.6°	99.6%	96.7%