

## Photometric / Colorimetric / Electric Report

Fixture Model:

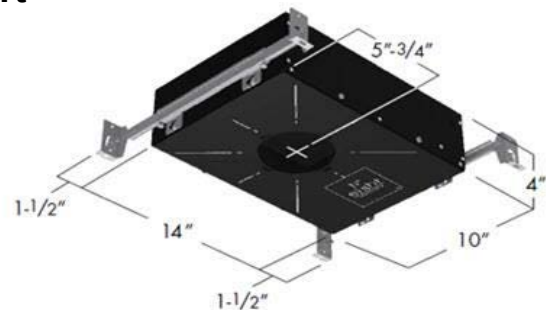
804S-J2S-HI-15-DIM1-8-1000-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

3/14/2022



Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 93.8

Color temperature:

2988 K

CIE 1931:

x: 0.441  
y: 0.411

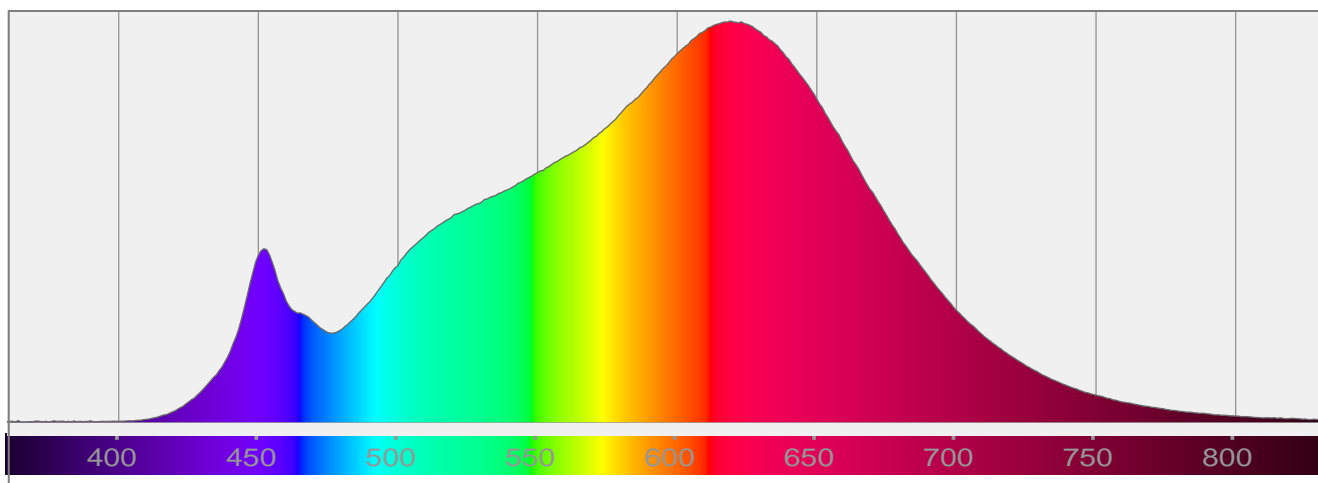
Output: 1049 lm

Peak: 5846 cd

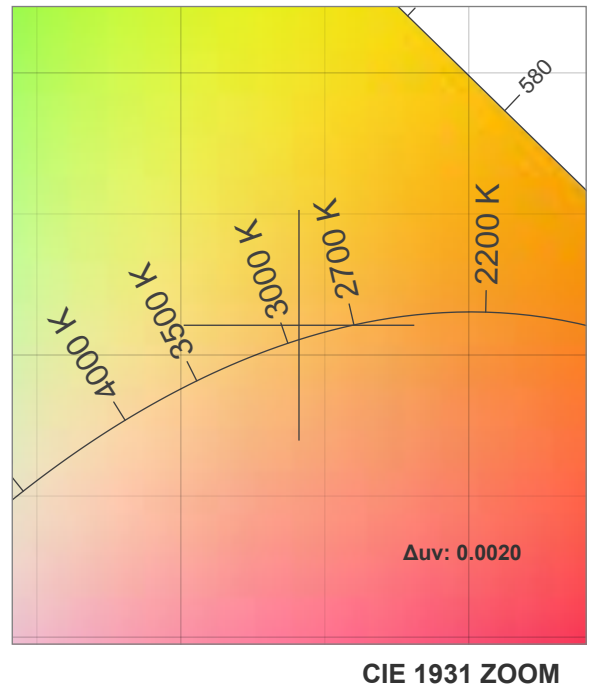
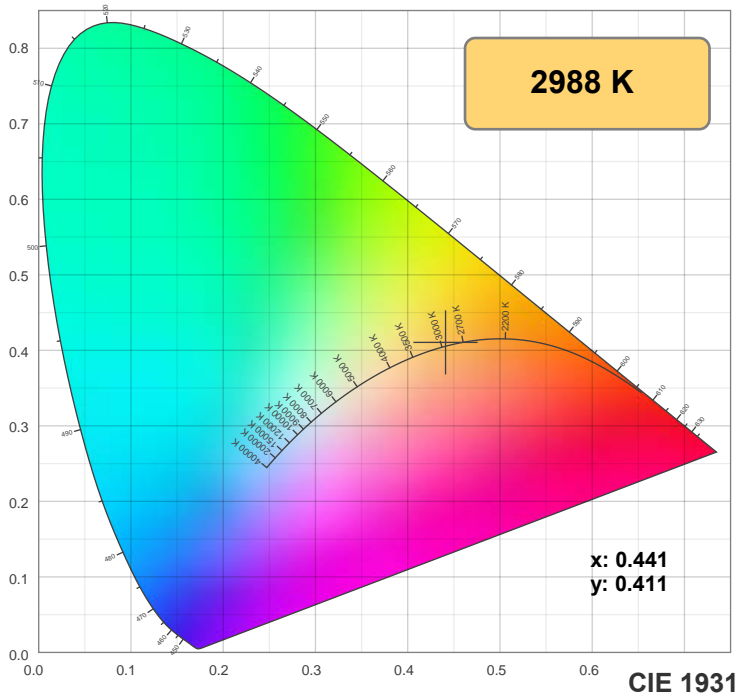
Power: 13.9 W

PF: 0.99

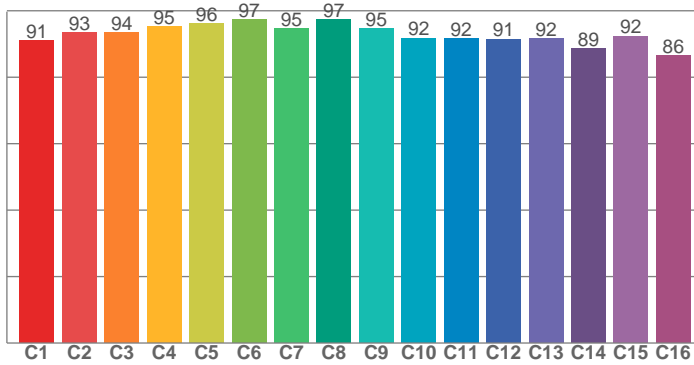
Spectra:



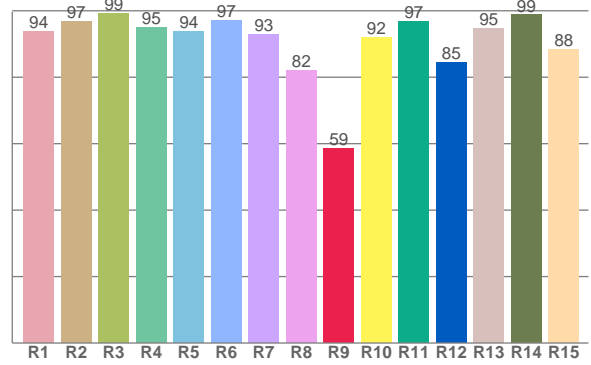
## Color Details



**TM-30: 93.0**



**CRI: 93.8 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.8	96.7	99.1	94.9	93.7	97.0	92.7	82.2	58.6	91.8	96.9	84.5	94.7	98.8	88.4

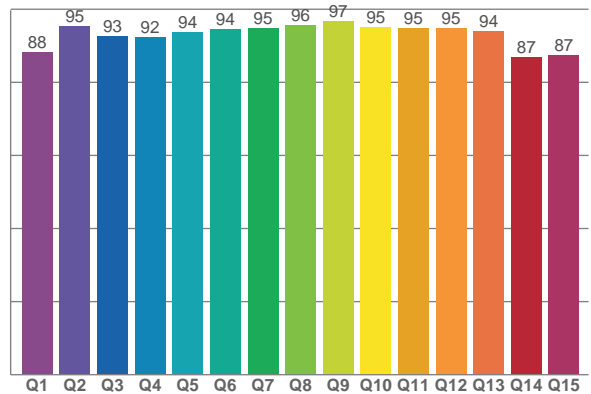
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	93.4	93.5	95.2	96.1	97.4	94.6	97.3	94.6	91.8	91.6	91.5	91.7	88.6	92.4	86.5

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.2	95.3	92.6	92.2	93.8	94.4	94.8	95.7	96.6	95.0	94.7	94.7	94.0	86.8	87.4

**CQS: 92.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2988 K	93.8	58.6	93.0	97.8	92.3	0.441	0.411	0.250	0.350	0.0020

# TM-30 Details

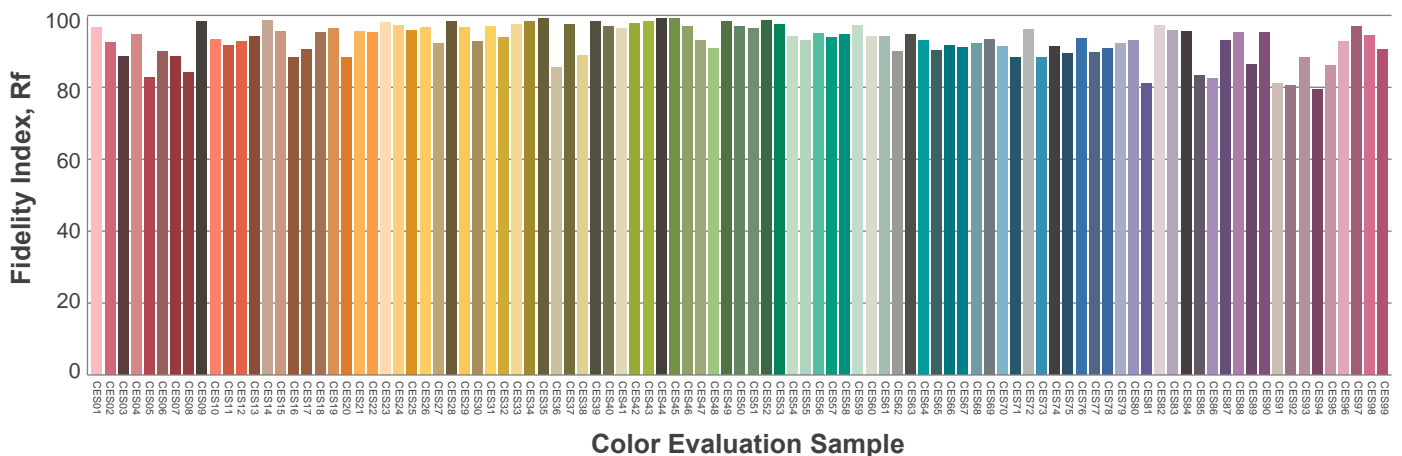
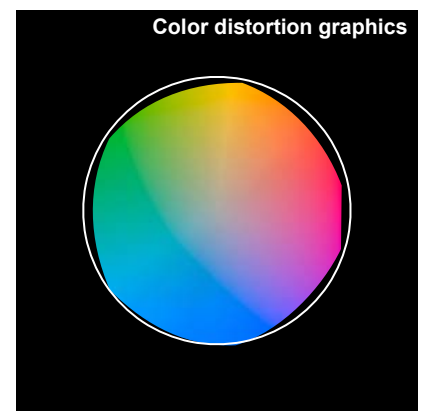
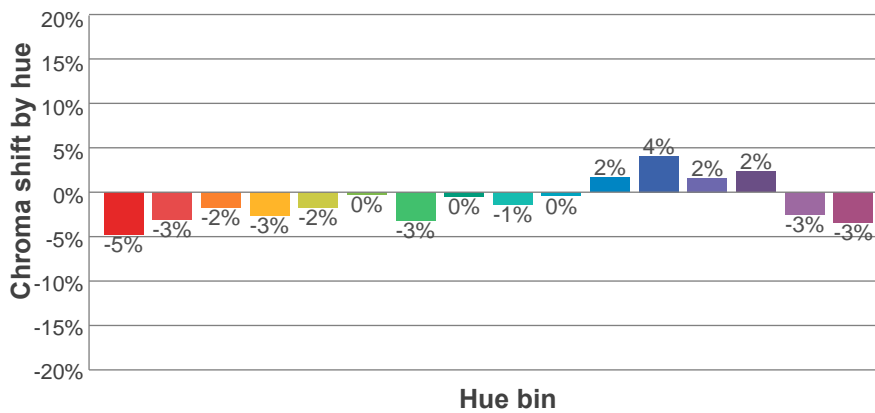
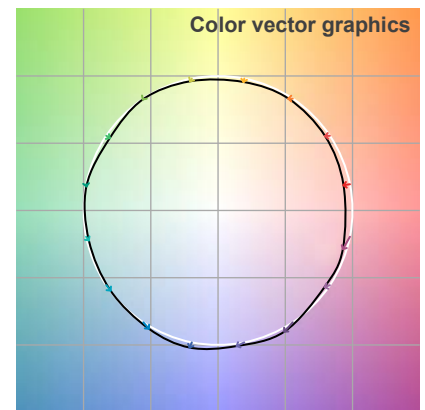
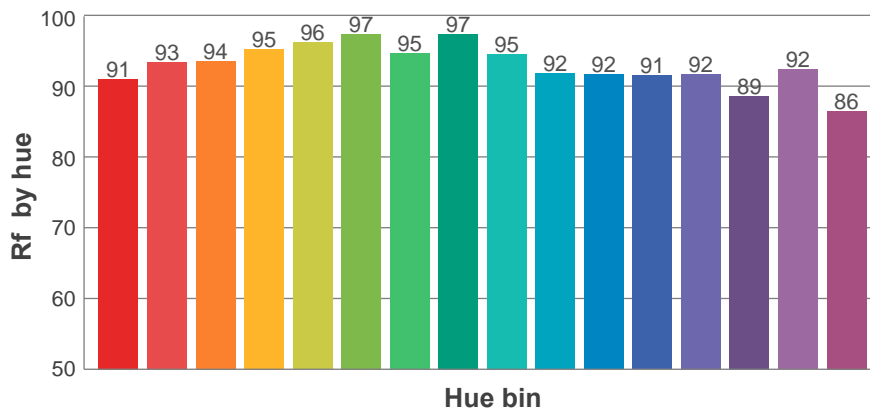
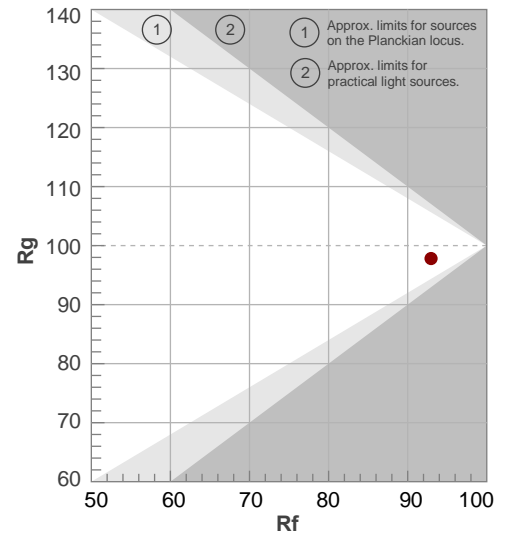
**Rf 93.0**

Fidelity index Rf

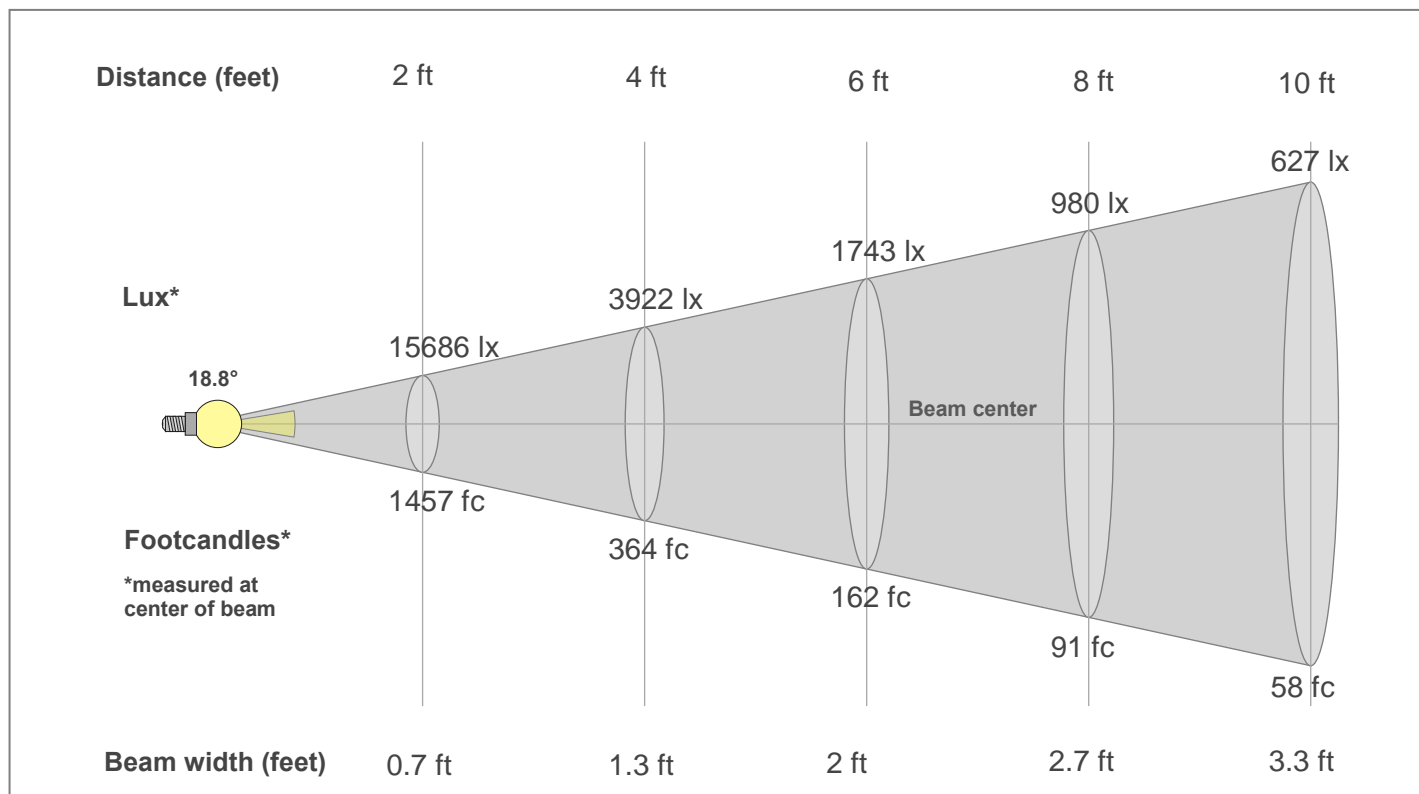
**Rg 97.8**

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	0%	1%
9	95	-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
5829lx	1457lx	648lx	364lx	233lx	162lx	119lx	91lx	72lx	58lx	48lx	40lx	34lx	30lx	26lx	23lx	20lx	18lx	16lx	15lx
541.5fc	135.4fc	60.2fc	33.8fc	21.7fc	15fc	11.1fc	8.5fc	6.7fc	5.4fc	4.5fc	3.8fc	3.2fc	2.8fc	2.4fc	2.1fc	1.9fc	1.7fc	1.5fc	1.4fc

### 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°
5829	5598	5036	4261	3439	2702	2098	1628	1265	983	763	590	449	341	263	204	161	127	98	64
100%	96%	86%	73%	59%	46%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	2%	1%

### 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°
5829	5652	5078	4315	3461	2709	2086	1601	1230	949	732	563	426	322	246	191	150	119	92	65
100%	97%	87%	74%	59%	46%	36%	27%	21%	16%	13%	10%	7%	6%	4%	3%	3%	2%	2%	1%

### 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°
5829	5606	5032	4276	3456	2685	2081	1596	1236	951	729	556	425	315	238	184	144	117	93	66
100%	96%	86%	73%	59%	46%	36%	27%	21%	16%	13%	10%	7%	5%	4%	3%	2%	2%	2%	1%

### 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°
5829	5652	5078	4315	3461	2709	2086	1601	1230	949	732	563	426	322	246	191	150	119	92	65
100%	97%	87%	74%	59%	46%	36%	27%	21%	16%	13%	10%	7%	6%	4%	3%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
18.8°	43.6°	64.5°	99.3%	98.8%