

## Photometric / Colorimetric / Electric Report

Fixture Model:

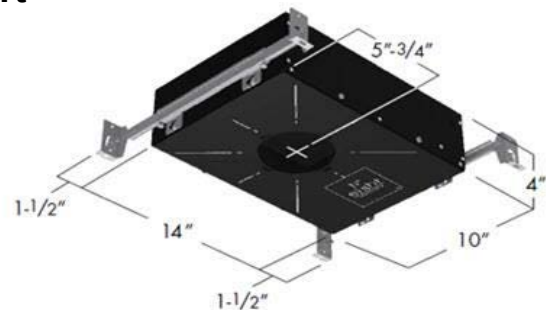
804S-J2S-HI-25-DIM1-8-1000-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

3/14/2022



Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 93.8

Color temperature:

3005 K

CIE 1931:

x: 0.439  
y: 0.409

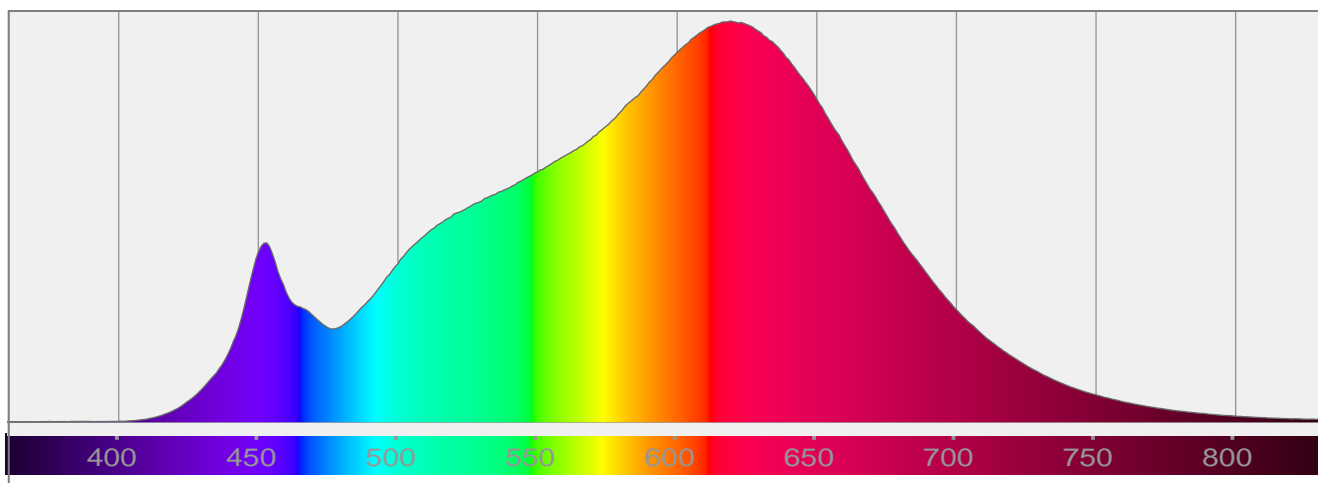
Output: 910 lm

Peak: 3003 cd

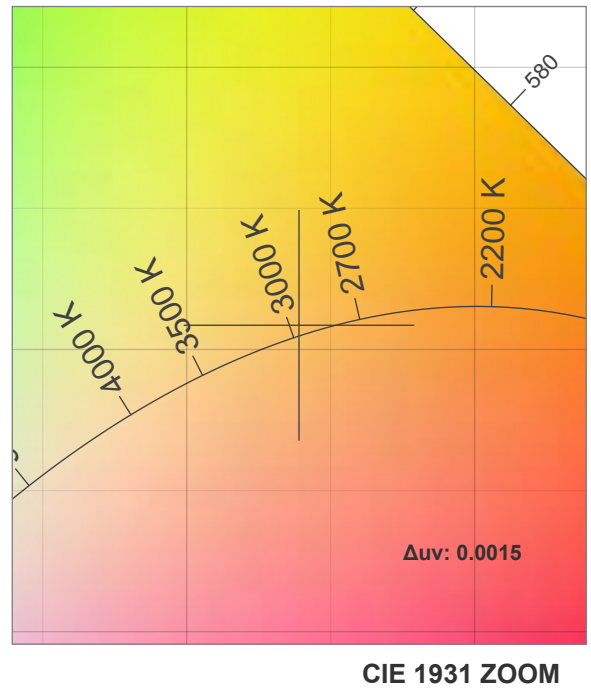
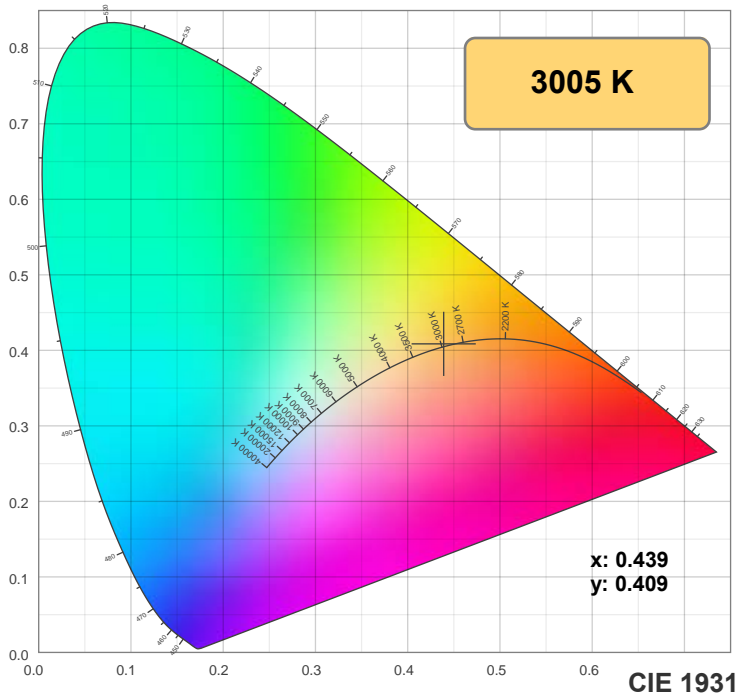
Power: 13.9 W

PF: 0.99

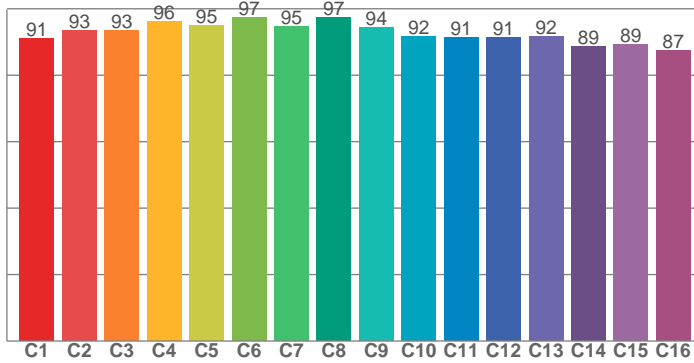
Spectra:



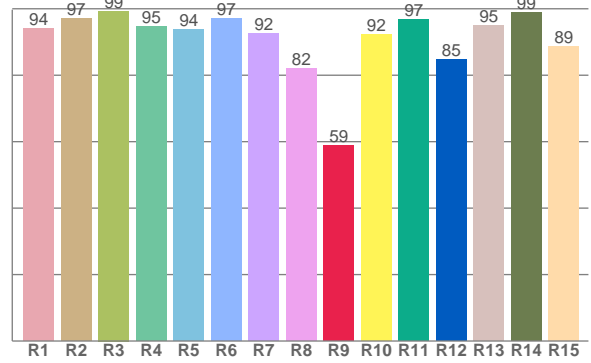
## Color Details



**TM-30: 92.9**



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



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.9	97.0	99.3	94.7	93.9	97.1	92.5	82.1	58.8	92.4	96.7	84.7	94.9	98.9	88.7

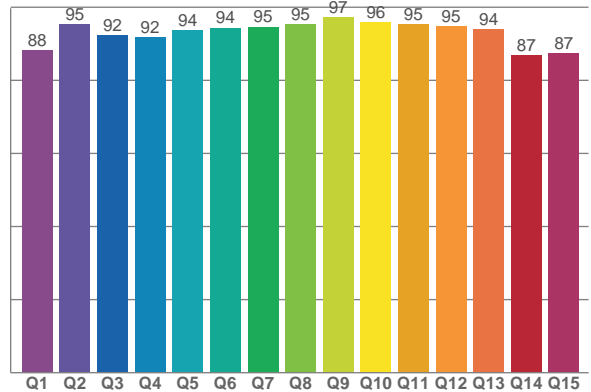
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	93.3	93.4	96.2	94.9	97.4	94.5	97.4	94.4	91.6	91.4	91.4	91.7	88.5	89.3	87.3

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.2	95.4	92.3	91.9	93.6	94.4	94.7	95.3	97.2	95.8	95.3	94.8	93.9	86.9	87.4

**CQS: 92.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3005 K	93.8	58.8	92.9	98.0	92.3	0.439	0.409	0.250	0.349	0.0015

# TM-30 Details

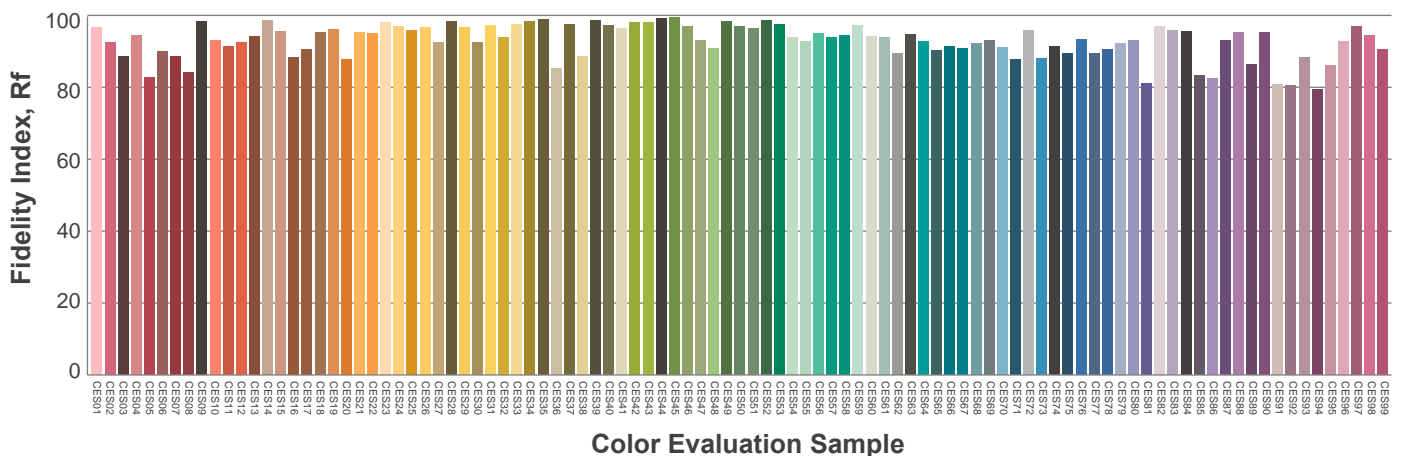
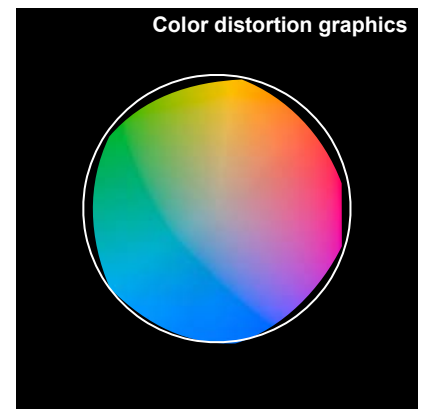
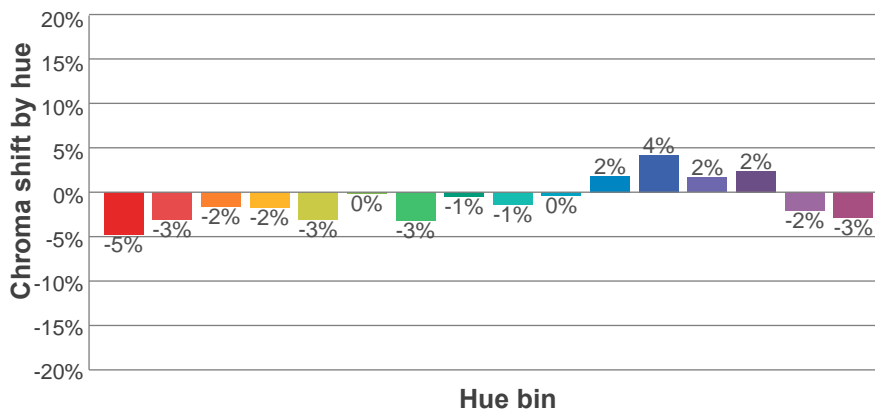
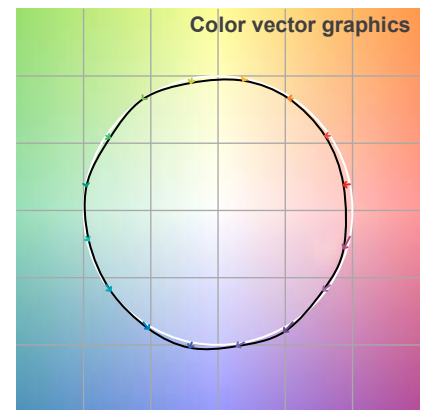
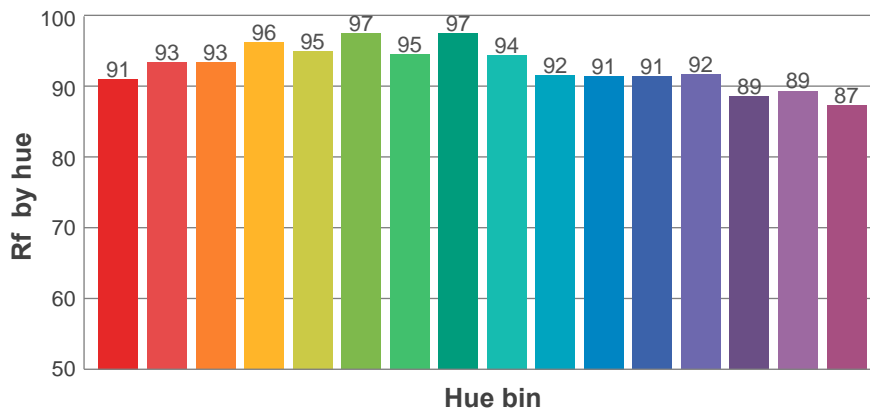
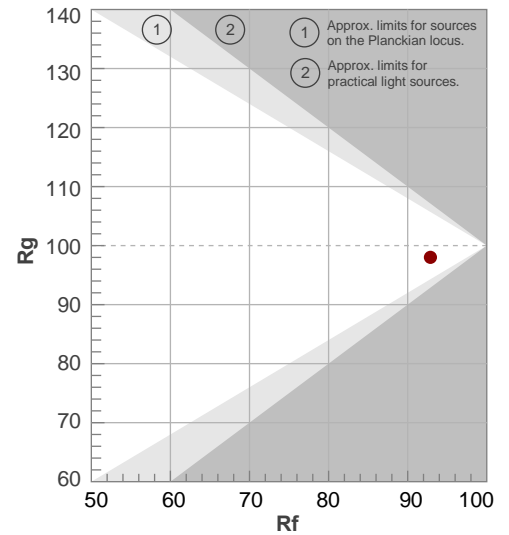
**Rf 92.9**

Fidelity index Rf

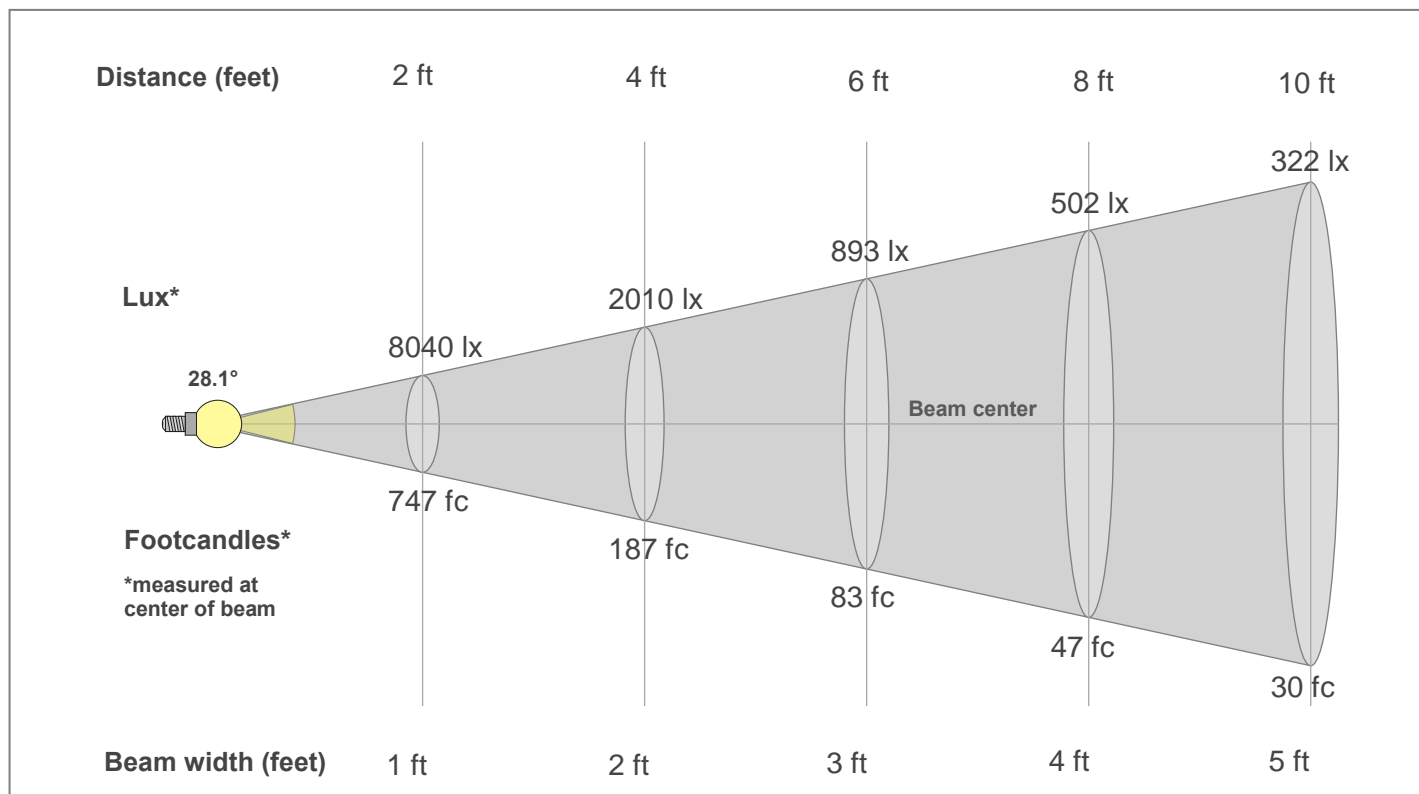
**Rg 98.0**

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	96	-2%	1%
5	95	-3%	1%
6	97	0%	1%
7	95	-3%	0%
8	97	-1%	1%
9	94	-1%	3%
10	92	0%	5%
11	91	2%	6%
12	91	4%	-1%
13	92	2%	-6%
14	89	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
2988lx	747lx	332lx	187lx	120lx	83lx	61lx	47lx	37lx	30lx	25lx	21lx	18lx	15lx	13lx	12lx	10lx	9lx	8lx	7lx
277.6fc	69.4fc	30.8fc	17.3fc	11.1fc	7.7fc	5.7fc	4.3fc	3.4fc	2.8fc	2.3fc	1.9fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc

### 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°
2988	2930	2798	2595	2341	2061	1778	1507	1251	1016	810	632	483	370	285	220	172	134	105	77
100%	98%	94%	87%	78%	69%	60%	50%	42%	34%	27%	21%	16%	12%	10%	7%	6%	4%	3%	3%

### 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°
2988	2958	2817	2609	2349	2067	1776	1500	1240	1005	799	622	477	364	284	221	173	134	97	69
100%	99%	94%	87%	79%	69%	59%	50%	42%	34%	27%	21%	16%	12%	10%	7%	6%	4%	3%	2%

### 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°
2988	2922	2784	2587	2348	2064	1787	1507	1252	1012	804	625	480	368	284	220	172	137	108	81
100%	98%	93%	87%	79%	69%	60%	50%	42%	34%	27%	21%	16%	12%	10%	7%	6%	5%	4%	3%

### 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°
2988	2958	2817	2609	2349	2067	1776	1500	1240	1005	799	622	477	364	284	221	173	134	97	69
100%	99%	94%	87%	79%	69%	59%	50%	42%	34%	27%	21%	16%	12%	10%	7%	6%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
28.1°	55.2°	75.8°	99.5%	98.8%