

## Photometric / Colorimetric / Electric Report

Fixture Model:

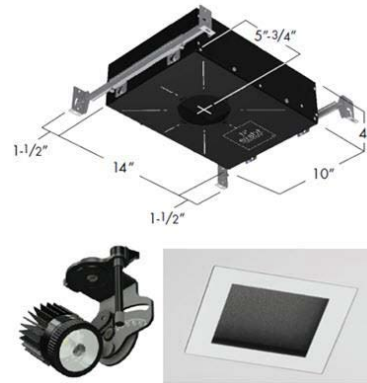
**804S-J2S-WD-40-DIM1-8-350-FS-LG-P-1-WH-NL**

Trim Model:

**FS-LG-P-1-WH-NL**

Date:

**4/8/2022**



Light efficiency:

**56 Lumen/Watt**

Light quality:

**CRI: 96.9**

Color temperature:

**3101 K**

CIE 1931:

**x: 0.428  
y: 0.396**

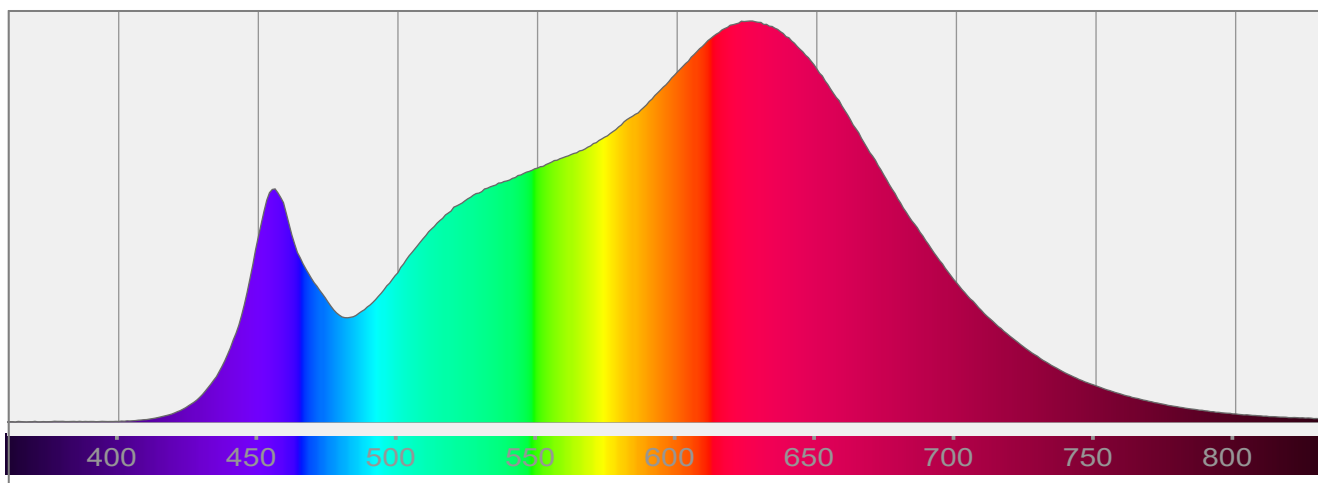
**Output: 813 lm**

**Peak: 1598 cd**

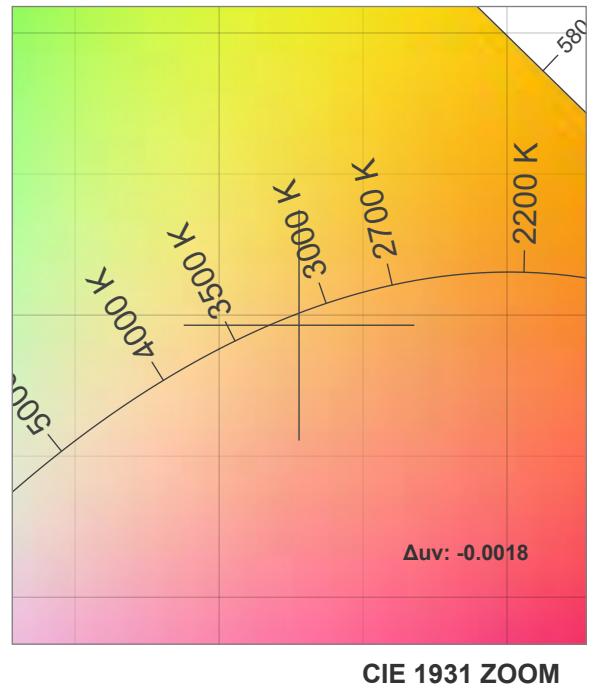
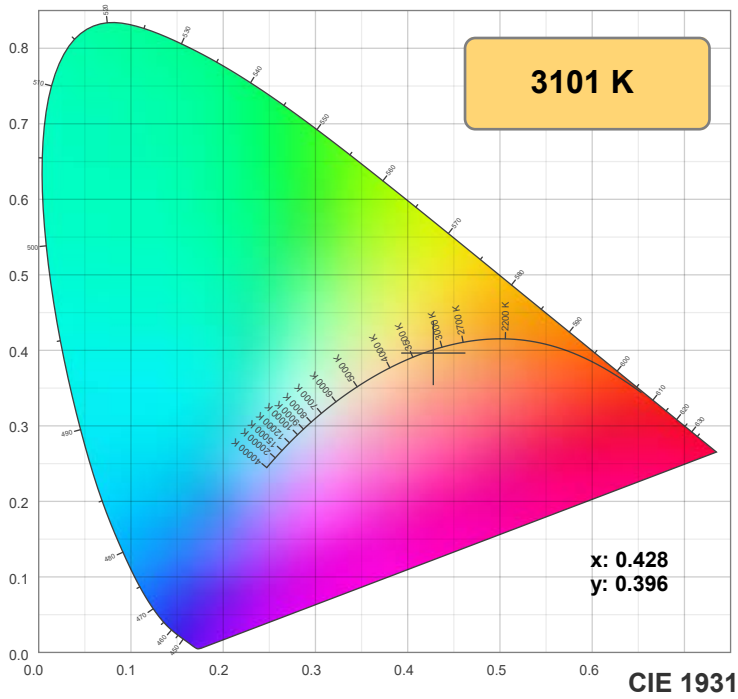
**Power: 14.4 W**

**PF: 1.0**

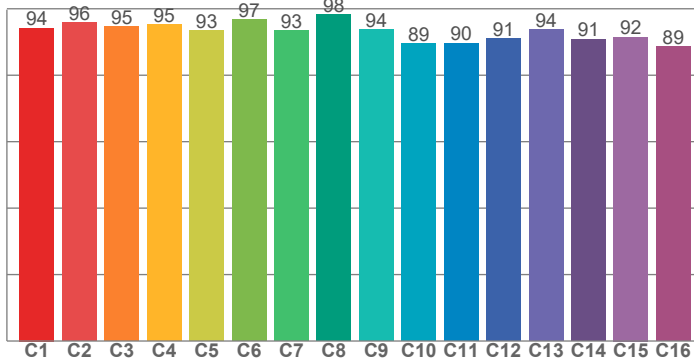
Spectra:



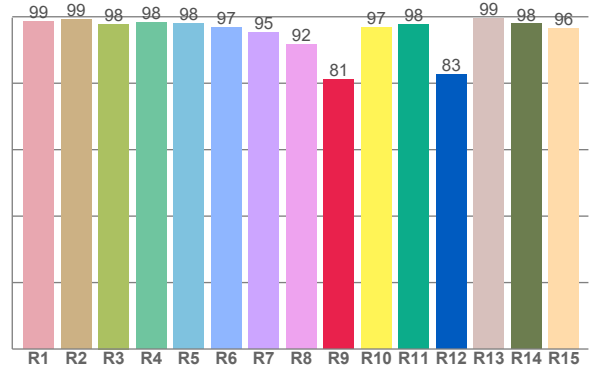
## Color Details



**TM-30: 93.3**



**CRI: 96.9 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.7	99.3	97.8	98.2	97.9	96.7	95.4	91.6	81.2	96.9	97.7	82.5	99.5	97.8	96.4

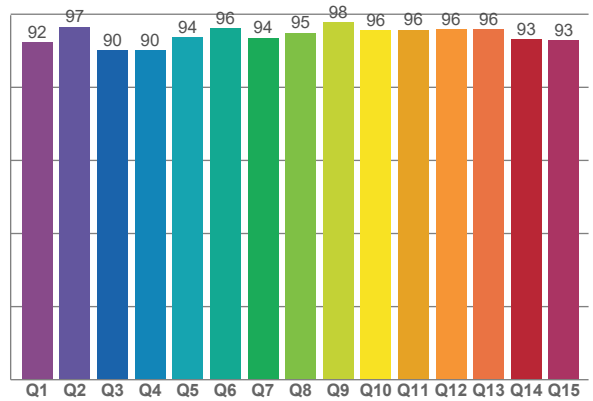
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	95.9	94.8	95.3	93.4	96.8	93.5	98.3	93.6	89.4	89.7	91.1	93.7	90.9	91.5	88.7

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.4	96.6	90.2	90.2	93.7	96.3	93.6	94.9	97.8	95.7	95.7	95.9	95.9	93.1	92.9

**CQS: 93.8**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3101 K	96.9	81.2	93.3	100.4	93.8	0.428	0.396	0.248	0.345	-0.0018

# TM-30 Details

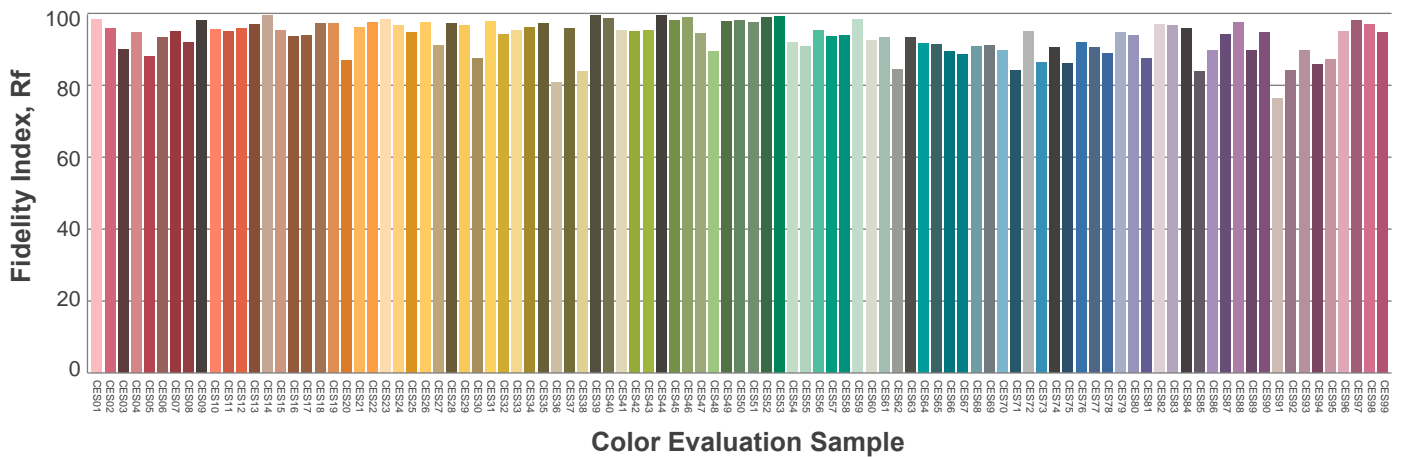
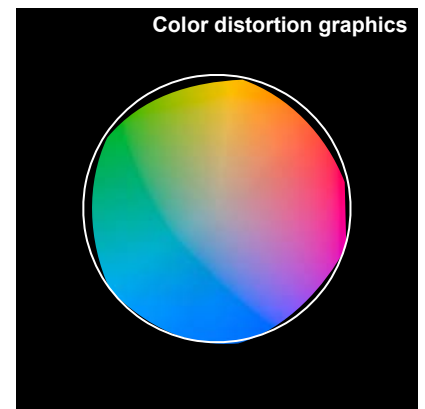
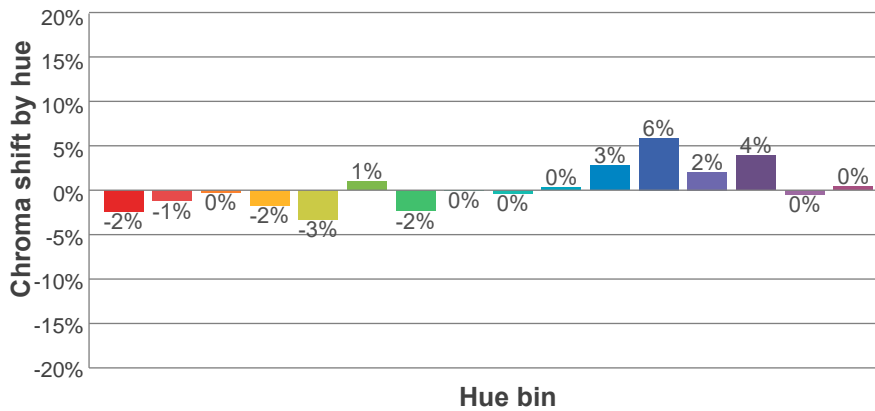
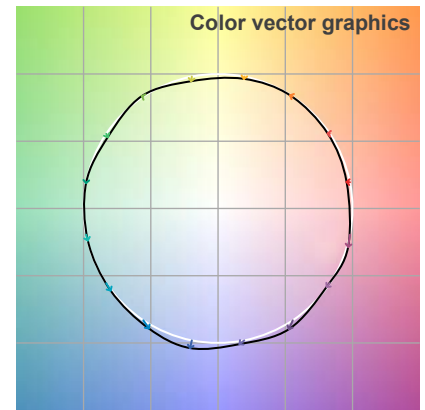
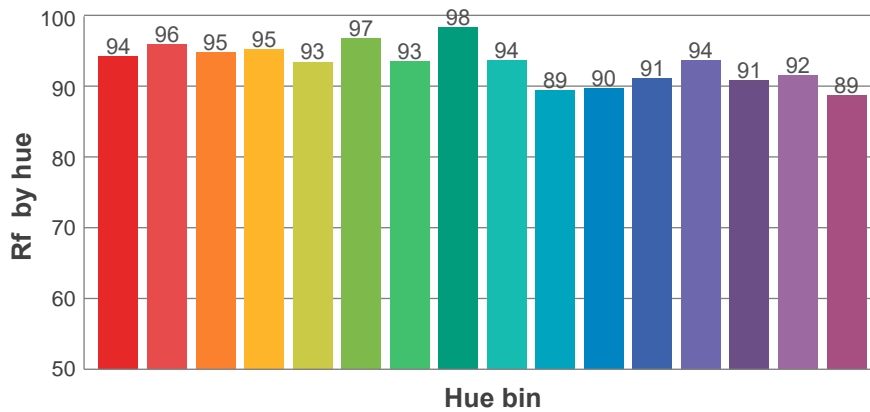
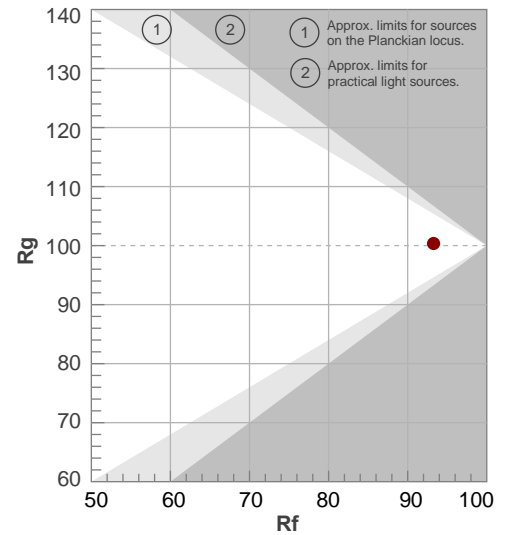
**Rf 93.3**

Fidelity index Rf

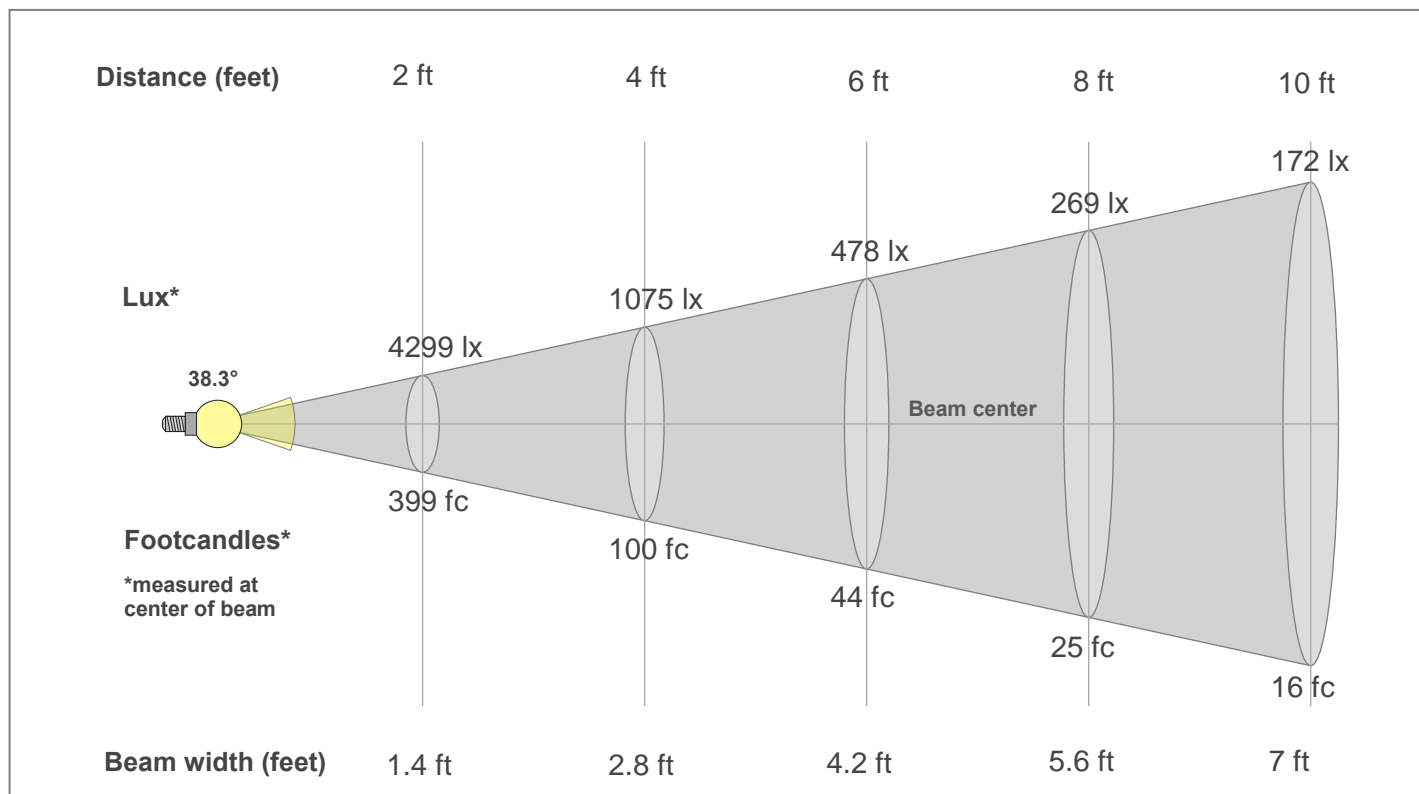
**Rg 100.4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-2%	1%
2	96	-1%	1%
3	95	0%	2%
4	95	-2%	0%
5	93	-3%	1%
6	97	1%	1%
7	93	-2%	1%
8	98	0%	1%
9	94	0%	4%
10	89	0%	6%
11	90	3%	7%
12	91	6%	0%
13	94	2%	-4%
14	91	4%	-6%
15	92	0%	-4%
16	89	0%	-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
1598lx	399lx	178lx	100lx	64lx	44lx	33lx	25lx	20lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
148.4fc	37.1fc	16.5fc	9.3fc	5.9fc	4.1fc	3fc	2.3fc	1.8fc	1.5fc	1.2fc	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°
1598	1588	1555	1496	1420	1328	1223	1111	991	870	751	639	538	448	372	307	249	199	156	120
100%	99%	97%	94%	89%	83%	77%	70%	62%	54%	47%	40%	34%	28%	23%	19%	16%	12%	10%	8%

### 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°
1598	1588	1555	1496	1420	1328	1223	1111	991	870	751	639	538	448	372	307	249	199	156	120
100%	99%	97%	94%	89%	83%	77%	70%	62%	54%	47%	40%	34%	28%	23%	19%	16%	12%	10%	8%

### 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°
1598	1588	1555	1496	1420	1328	1223	1111	991	870	751	639	538	448	372	307	249	199	156	120
100%	99%	97%	94%	89%	83%	77%	70%	62%	54%	47%	40%	34%	28%	23%	19%	16%	12%	10%	8%

### 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°
1598	1588	1555	1496	1420	1328	1223	1111	991	870	751	639	538	448	372	307	249	199	156	120
100%	99%	97%	94%	89%	83%	77%	70%	62%	54%	47%	40%	34%	28%	23%	19%	16%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
38.3°	71.7°	91.1°	99.6%	97.2%