

## Photometric / Colorimetric / Electric Report

Fixture Model:

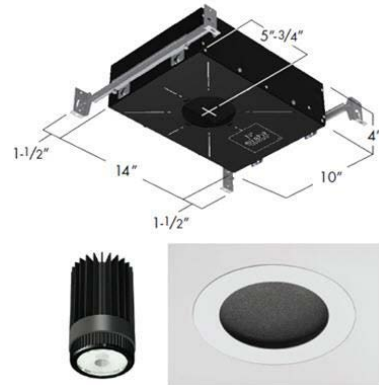
**804S-K2S-WD-25-DIM1-8-350-FR-LG-P-1-WH-NL**

Trim Model:

**FR-LG-P-1-WH-NL**

Date:

**3/24/2022**



Light efficiency:

**59 Lumen/Watt**

Light quality:

**CRI: 96.9**

Color temperature:

**3097 K**

CIE 1931:

**x: 0.429  
y: 0.399**

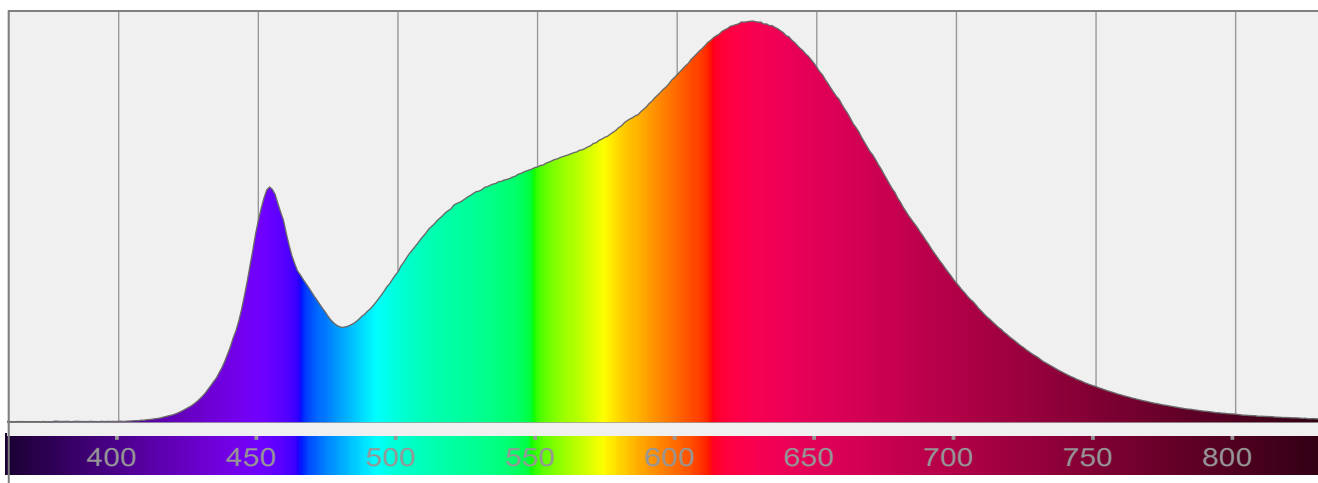
**Output: 853 lm**

**Peak: 2390 cd**

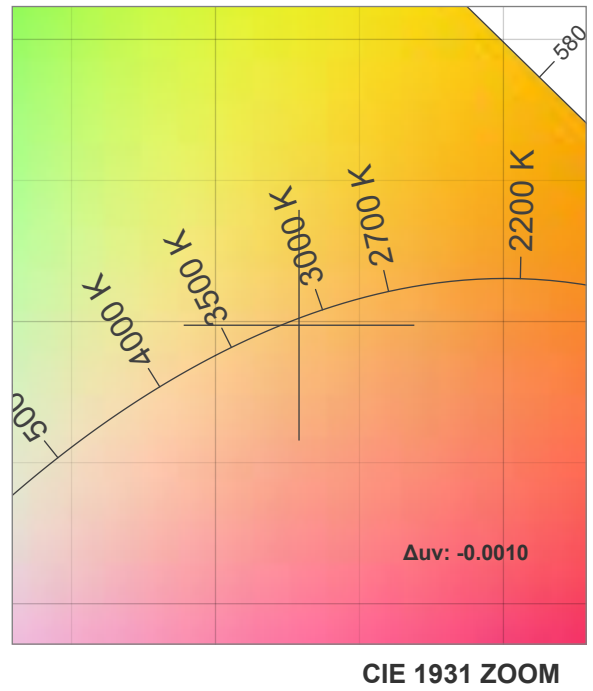
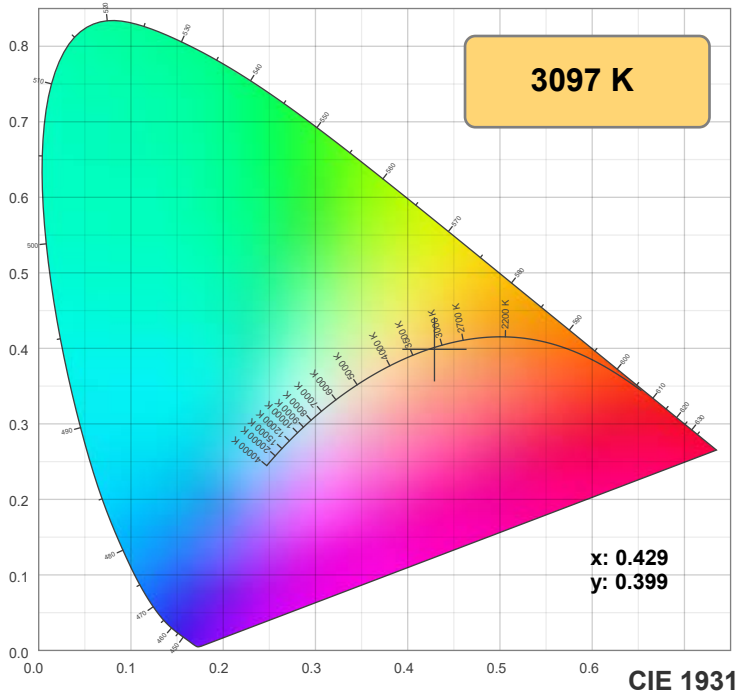
**Power: 14.5 W**

**PF: 1.0**

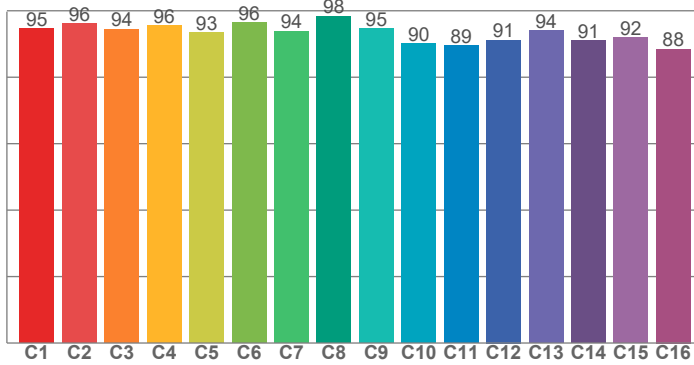
Spectra:



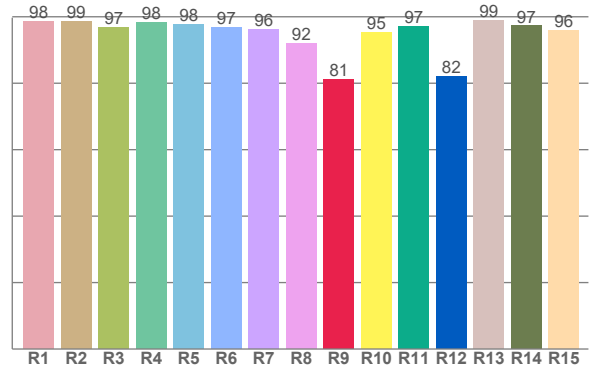
## Color Details



**TM-30: 93.5**



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



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.5	98.7	96.8	98.2	97.7	96.9	96.1	92.0	81.1	95.2	97.2	81.9	99.0	97.2	96.0

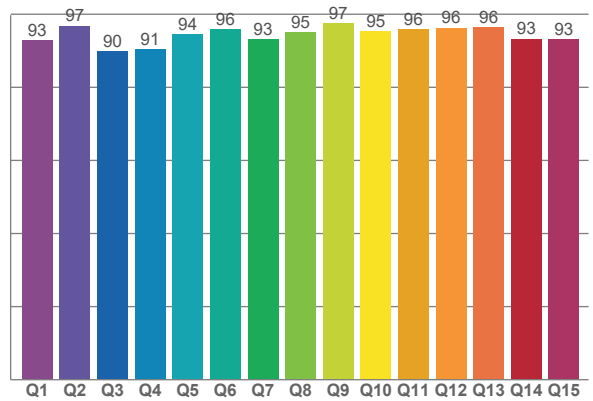
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.7	96.2	94.5	95.7	93.4	96.4	93.9	98.4	94.7	90.2	89.5	91.2	94.1	91.0	91.9	88.5

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.8	96.9	89.8	90.5	94.5	95.8	93.1	95.2	97.5	95.4	95.9	96.3	96.4	93.3	93.1

**CQS: 93.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3097 K	96.9	81.1	93.5	100.8	93.9	0.429	0.399	0.248	0.345	-0.0010

# TM-30 Details

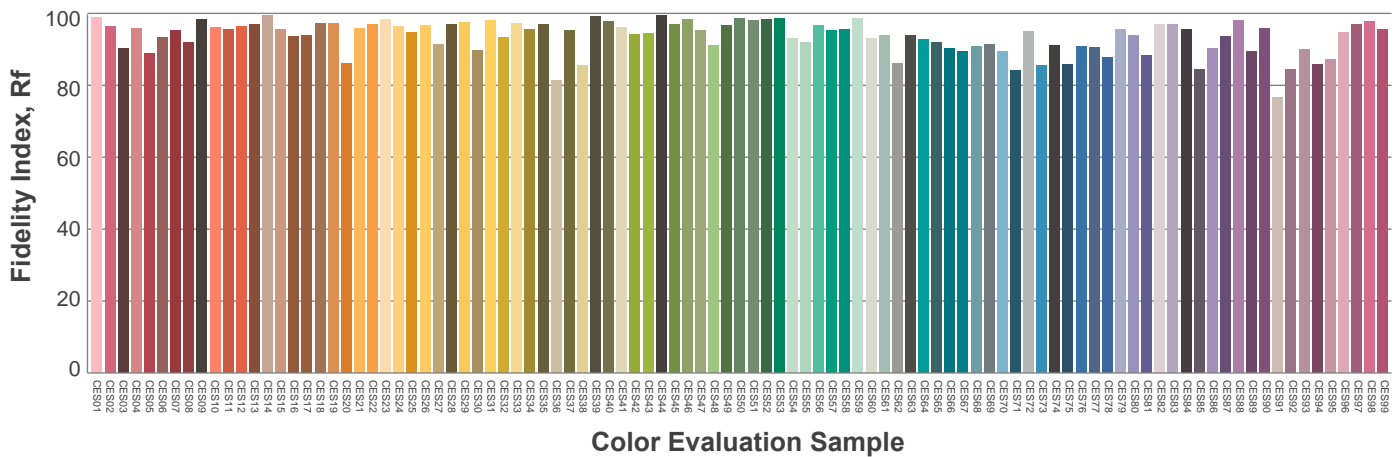
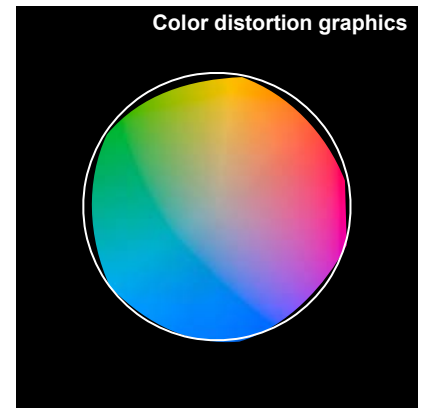
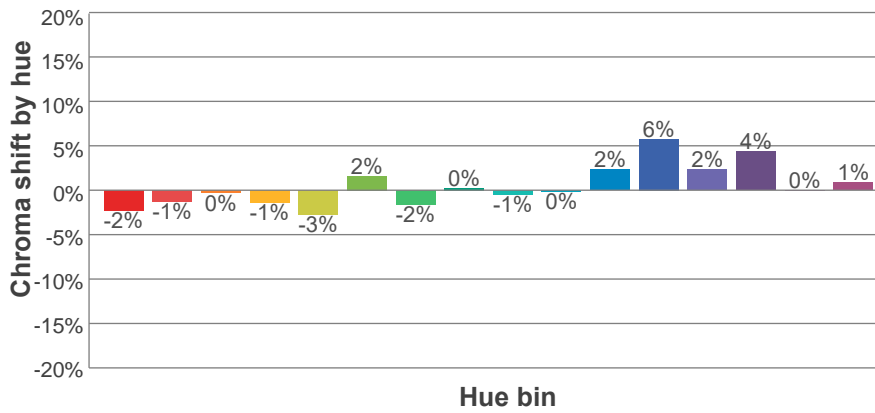
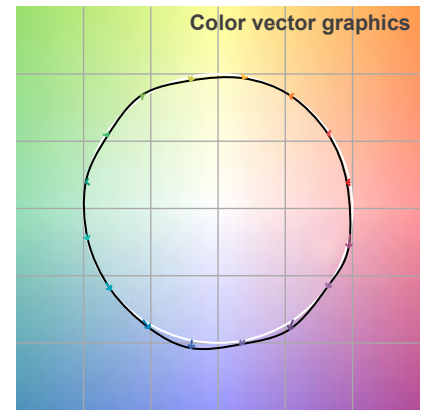
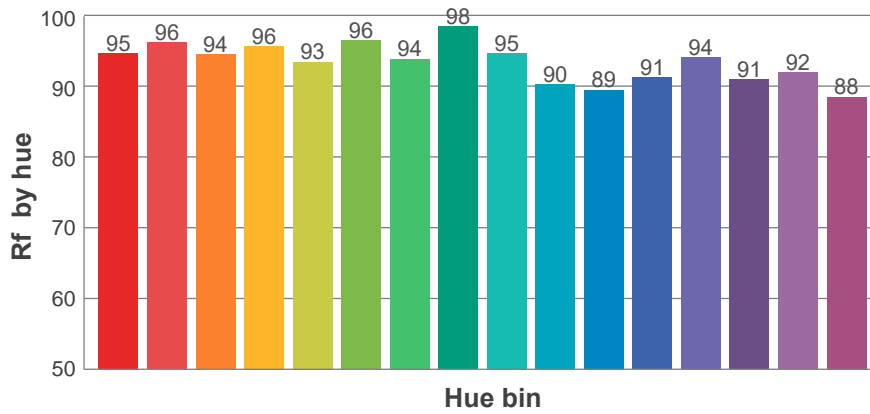
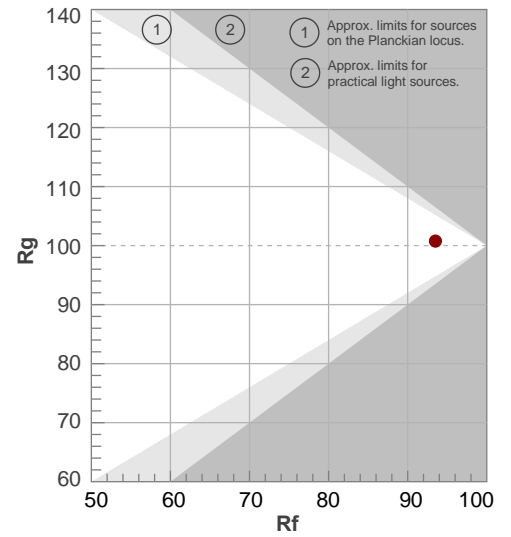
**Rf 93.5**

Fidelity index Rf

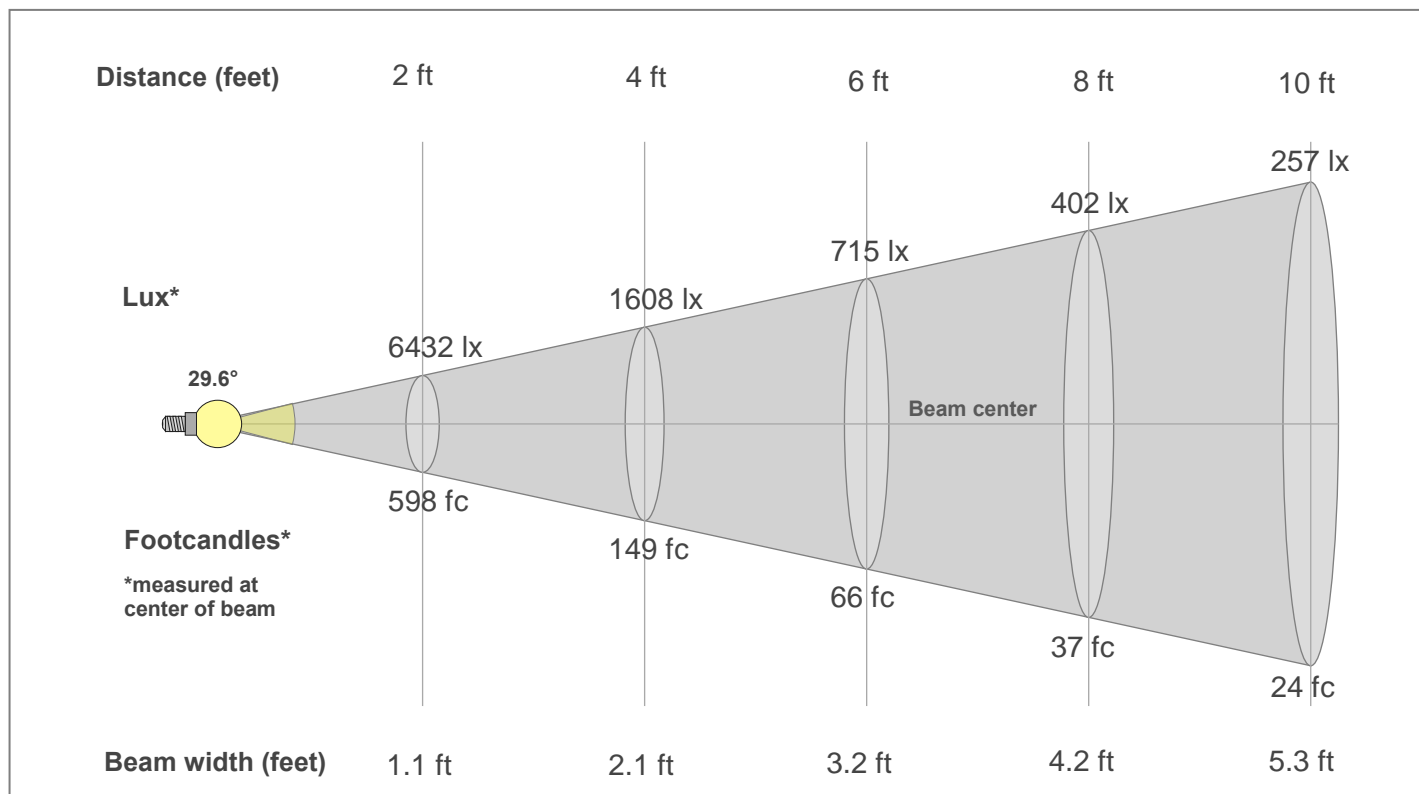
**Rg 100.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	94	0%	2%
4	96	-1%	0%
5	93	-3%	2%
6	96	2%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	-1%	4%
10	90	0%	6%
11	89	2%	7%
12	91	6%	1%
13	94	2%	-3%
14	91	4%	-6%
15	92	0%	-4%
16	88	1%	-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
2390lx	598lx	266lx	149lx	96lx	66lx	49lx	37lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
222.1fc	55.5fc	24.7fc	13.9fc	8.9fc	6.2fc	4.5fc	3.5fc	2.7fc	2.2fc	1.8fc	1.5fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

### 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°
2390	2361	2266	2117	1935	1726	1508	1284	1068	872	696	550	433	343	273	221	181	151	127	107
100%	99%	95%	89%	81%	72%	63%	54%	45%	36%	29%	23%	18%	14%	11%	9%	8%	6%	5%	4%

### 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°
2390	2361	2266	2117	1935	1726	1508	1284	1068	872	696	550	433	343	273	221	181	151	127	107
100%	99%	95%	89%	81%	72%	63%	54%	45%	36%	29%	23%	18%	14%	11%	9%	8%	6%	5%	4%

### 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°
2390	2361	2266	2117	1935	1726	1508	1284	1068	872	696	550	433	343	273	221	181	151	127	107
100%	99%	95%	89%	81%	72%	63%	54%	45%	36%	29%	23%	18%	14%	11%	9%	8%	6%	5%	4%

### 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°
2390	2361	2266	2117	1935	1726	1508	1284	1068	872	696	550	433	343	273	221	181	151	127	107
100%	99%	95%	89%	81%	72%	63%	54%	45%	36%	29%	23%	18%	14%	11%	9%	8%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.6°	58.5°	89.9°	99.3%	95.3%