

## Photometric / Colorimetric / Electric Report

Fixture Model:

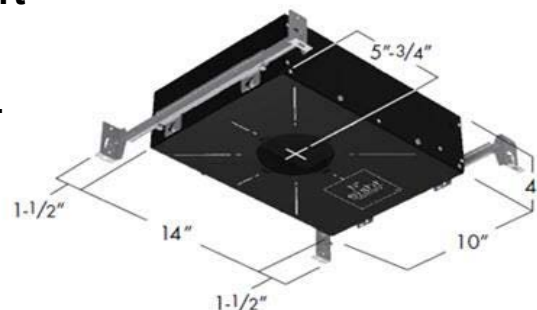
804S-J2S-HI-2-10-DIM1-8-1000-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

6/28/2022



Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 94.0

Color temperature:

3015 K

CIE 1931:

x: 0.434  
y: 0.399

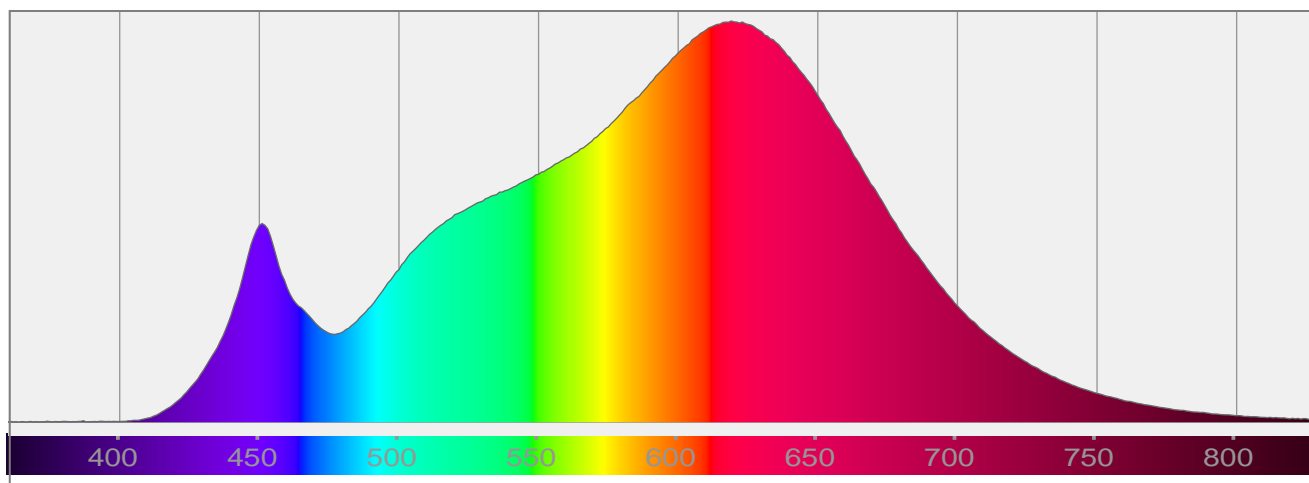
Output: 1049 lm

Peak: 15851 cd

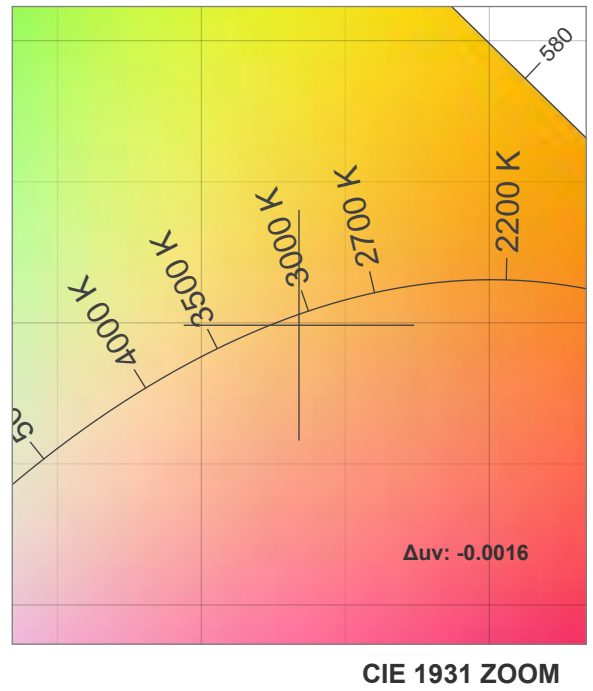
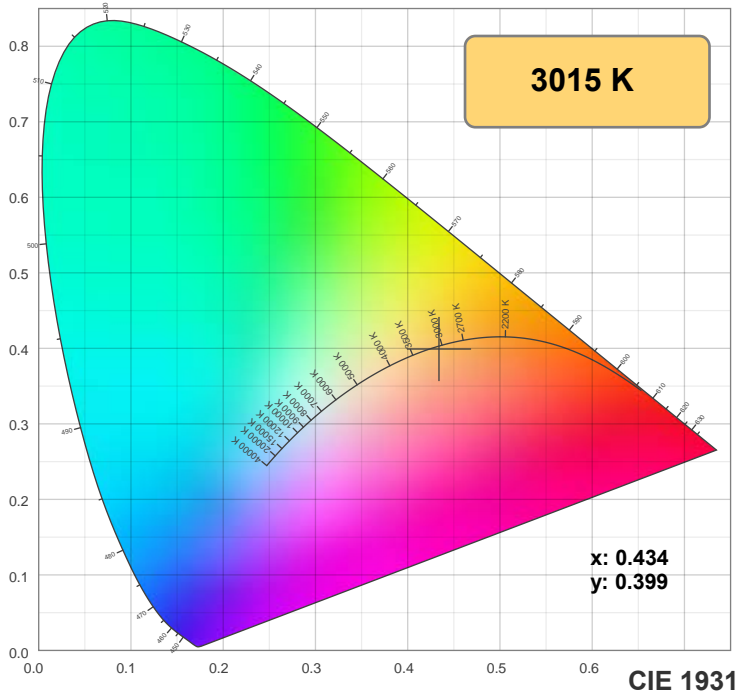
Power: 14.4 W

PF: 0.99

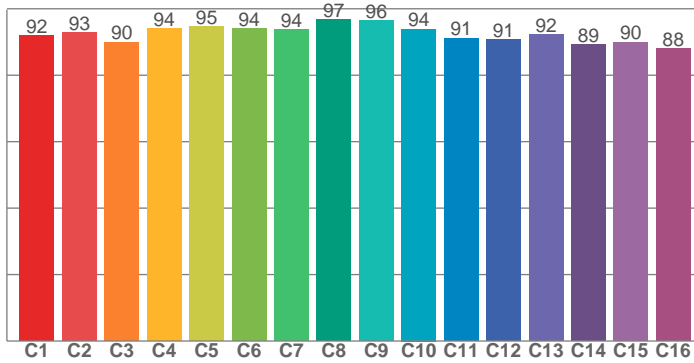
Spectra:



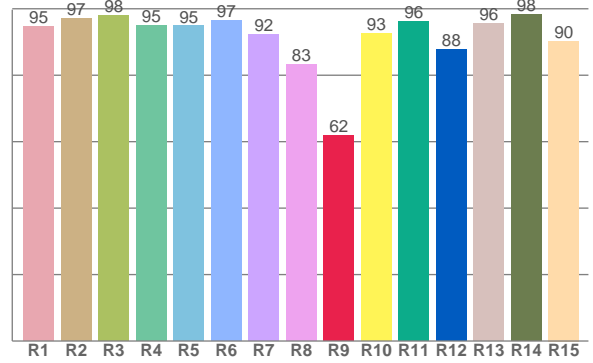
## Color Details



**TM-30: 92.6**



**CRI: 94.0 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.7	97.1	98.1	95.0	94.8	96.5	92.2	83.2	61.8	92.6	96.2	87.7	95.5	98.4	90.3

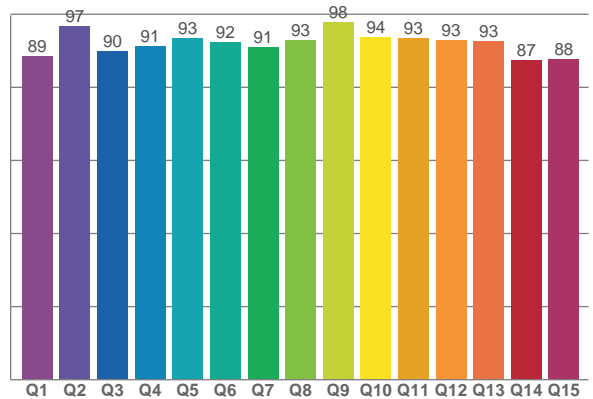
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.9	92.8	90.0	94.1	94.7	94.1	93.8	96.8	96.5	93.9	91.2	90.7	92.3	89.1	90.0	88.0

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.5	96.6	89.8	91.1	93.5	92.3	90.9	92.8	97.7	93.8	93.5	92.8	92.6	87.5	87.6

**CQS: 91.5**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3015 K	94.0	61.8	92.6	100.8	91.5	0.434	0.399	0.251	0.346	-0.0016

# TM-30 Details

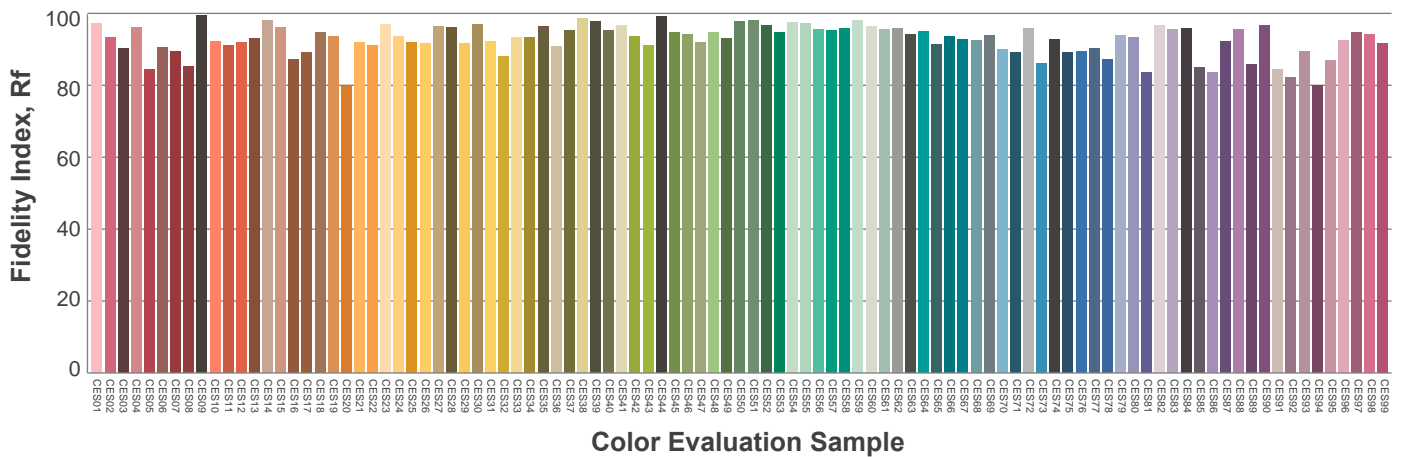
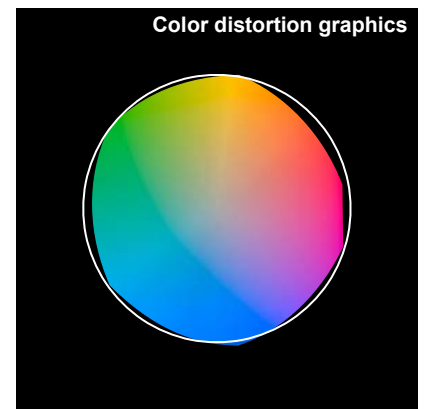
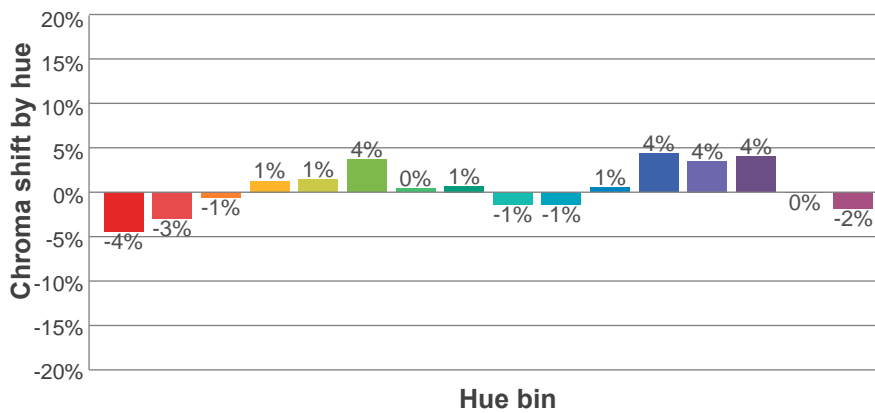
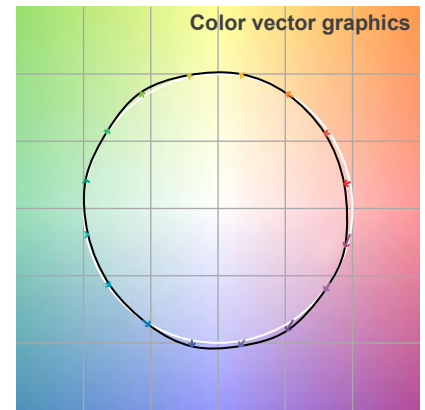
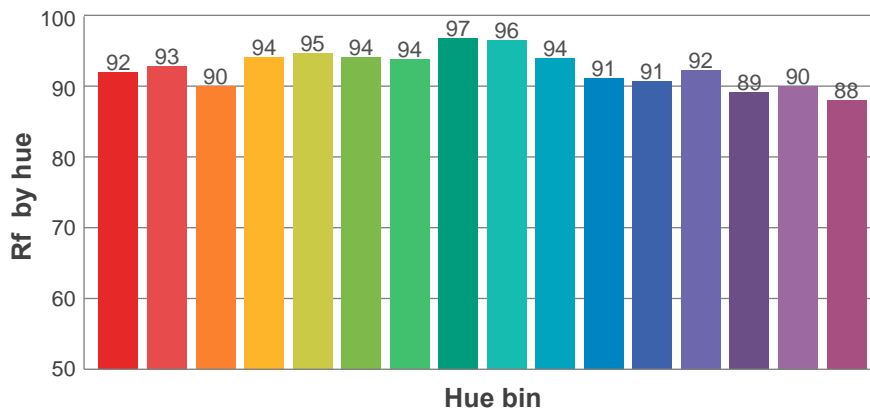
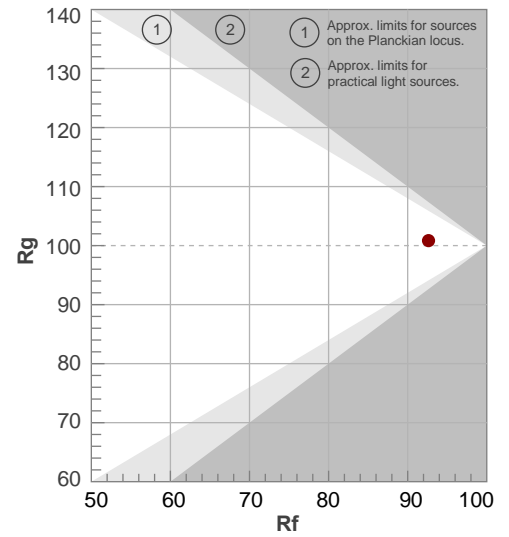
**Rf 92.6**

Fidelity index Rf

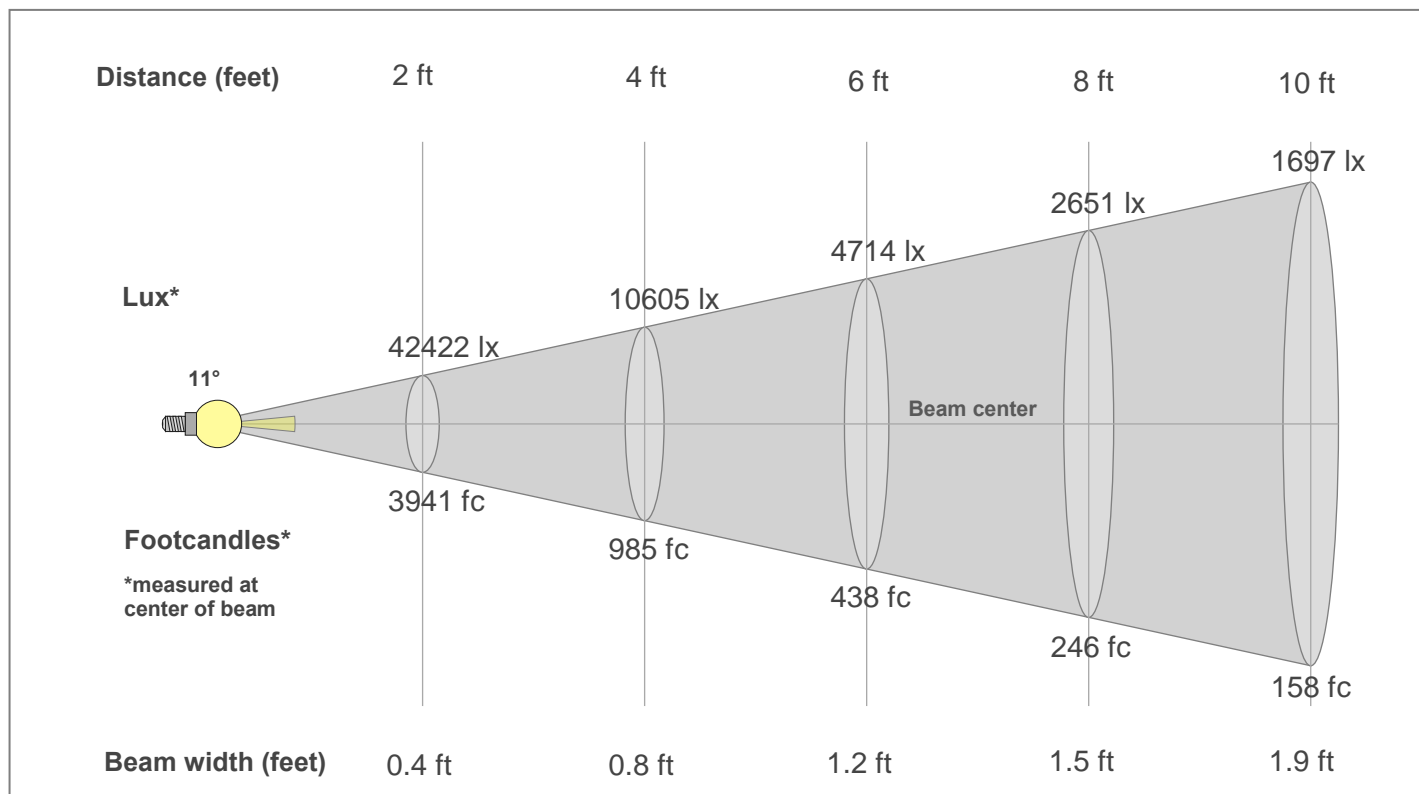
**Rg 100.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	93	-3%	3%
3	90	-1%	5%
4	94	1%	3%
5	95	1%	3%
6	94	4%	0%
7	94	0%	-3%
8	97	1%	-2%
9	96	-1%	0%
10	94	-1%	3%
11	91	1%	6%
12	91	4%	1%
13	92	4%	-4%
14	89	4%	-8%
15	90	0%	-7%
16	88	-2%	-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
15764lx	3941lx	1752lx	985lx	631lx	438lx	322lx	246lx	195lx	158lx	130lx	109lx	93lx	80lx	70lx	62lx	55lx	49lx	44lx	39lx
1464.6fc	366.1fc	162.7fc	91.5fc	58.6fc	40.7fc	29.9fc	22.9fc	18.1fc	14.6fc	12.1fc	10.2fc	8.7fc	7.5fc	6.5fc	5.7fc	5.1fc	4.5fc	4.1fc	3.7fc

### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
15.8K	15.8K	15.1K	13.5K	10.9K	8.8K	7.3K	5.9K	4.9K	4.0K	3.2K	2.6K	1.9K	1.4K	1.1K	0.8K	0.6K	0.5K	0.4K	0.3K
100%	101%	96%	86%	69%	56%	46%	37%	31%	25%	20%	16%	12%	9%	7%	5%	4%	3%	2%	2%

### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
15.8K	15.5K	14.4K	12.7K	10.8K	8.7K	7.0K	5.6K	4.7K	3.8K	3.0K	2.4K	1.8K	1.3K	1.0K	0.8K	0.6K	0.5K	0.5K	0.4K
100%	98%	91%	81%	69%	55%	44%	36%	30%	24%	19%	15%	12%	8%	6%	5%	4%	3%	3%	2%

### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
15.8K	15.6K	14.9K	13.3K	10.8K	8.8K	7.3K	5.9K	4.7K	3.9K	3.1K	2.4K	1.9K	1.4K	1.1K	0.8K	0.6K	0.5K	0.4K	0.3K
100%	99%	95%	84%	69%	56%	46%	37%	30%	24%	20%	16%	12%	9%	7%	5%	4%	3%	3%	2%

### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
15.8K	15.5K	14.4K	12.7K	10.8K	8.7K	7.0K	5.6K	4.7K	3.8K	3.0K	2.4K	1.8K	1.3K	1.0K	0.8K	0.6K	0.5K	0.5K	0.4K
100%	98%	91%	81%	69%	55%	44%	36%	30%	24%	19%	15%	12%	8%	6%	5%	4%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
11°	25.1°	36.7°	99.1%	98.7%