

Photometric / Colorimetric / Electric Report

Fixture Model:

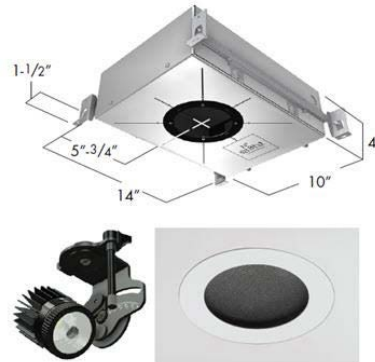
804S-J2S-TW-15T-3500K-EL3-8-700-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

7/28/2020



Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 95.2

Color temperature:

3555 K

CIE 1931:

**x: 0.399
y: 0.380**

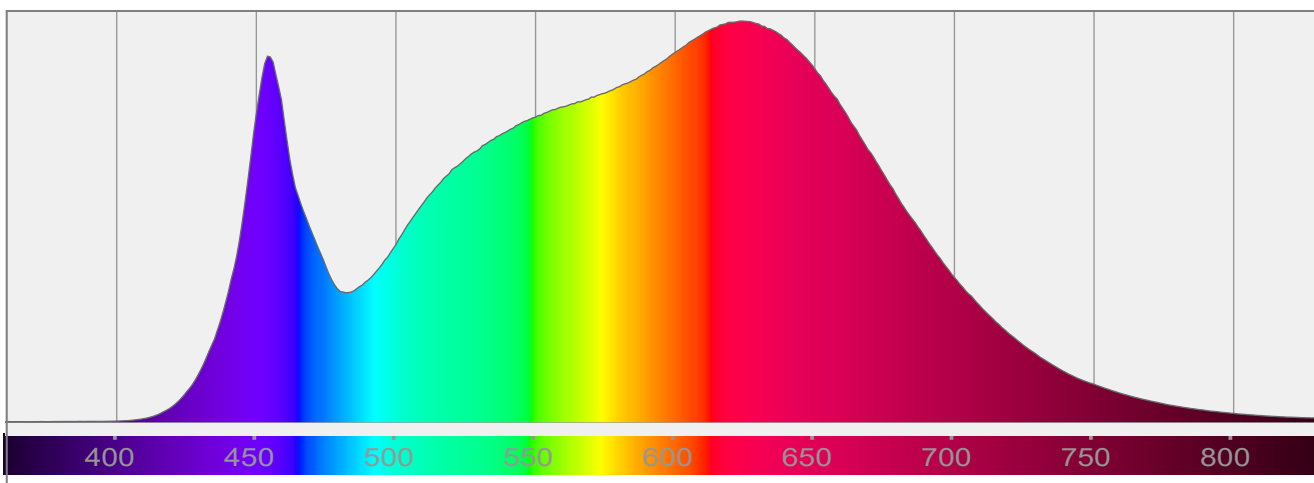
Output: 1112 lm

Peak: 7429 cd

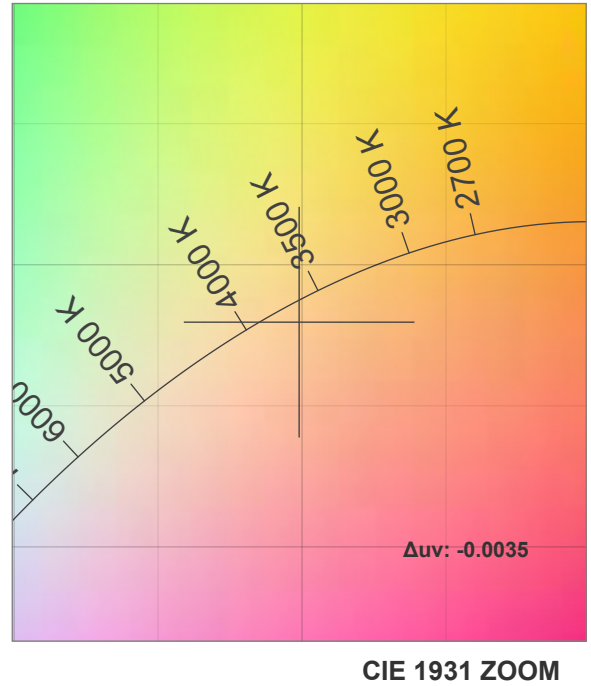
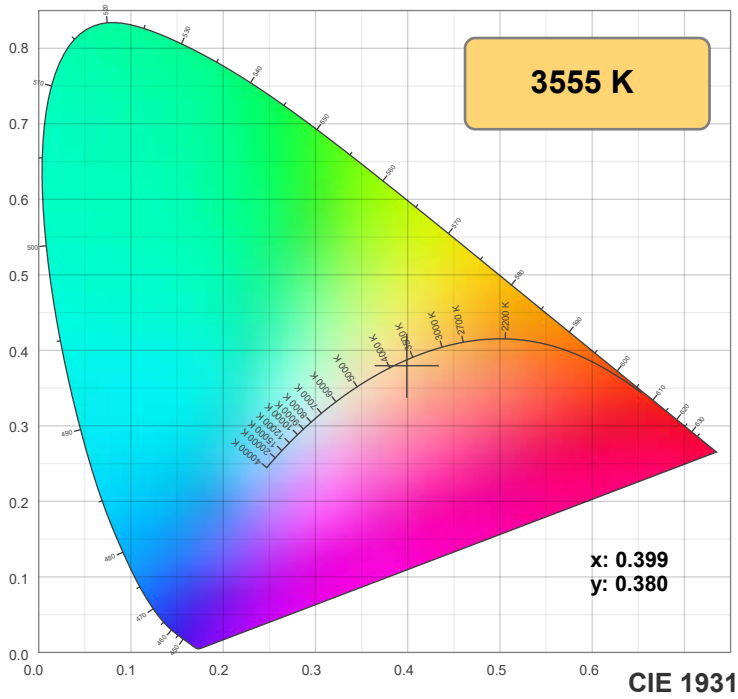
Power: 14.4 W

PF: 0.99

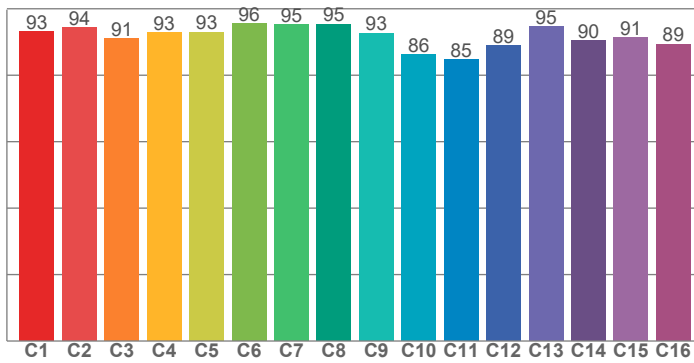
Spectra:



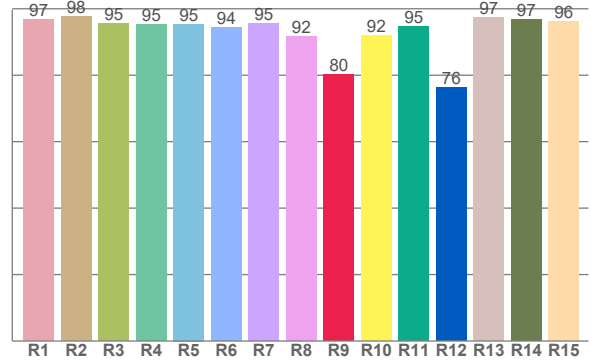
Color Details



TM-30: 91.6



CRI: 95.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	97.6	95.5	95.3	95.4	94.4	95.5	91.6	80.2	92.0	94.5	76.3	97.4	96.7	96.1

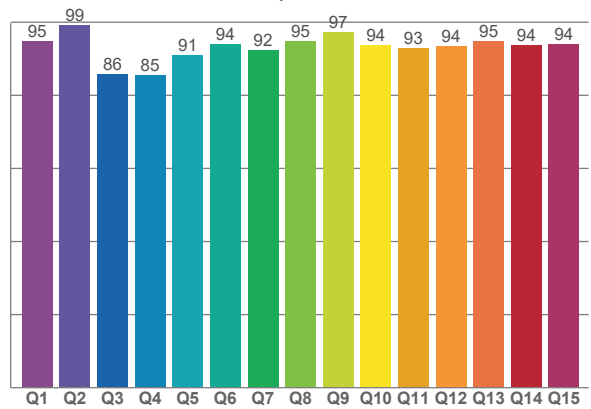
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	94.4	91.1	92.8	93.0	95.7	95.2	95.4	92.7	86.3	84.8	88.9	94.6	90.4	91.2	89.4

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.7	99.2	85.8	85.4	91.0	93.9	92.3	94.8	97.3	93.7	92.8	93.5	94.8	93.7	94.1

CQS: 92.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3555 K	95.2	80.2	91.6	100.6	92.3	0.399	0.380	0.236	0.337	-0.0035

TM-30 Details

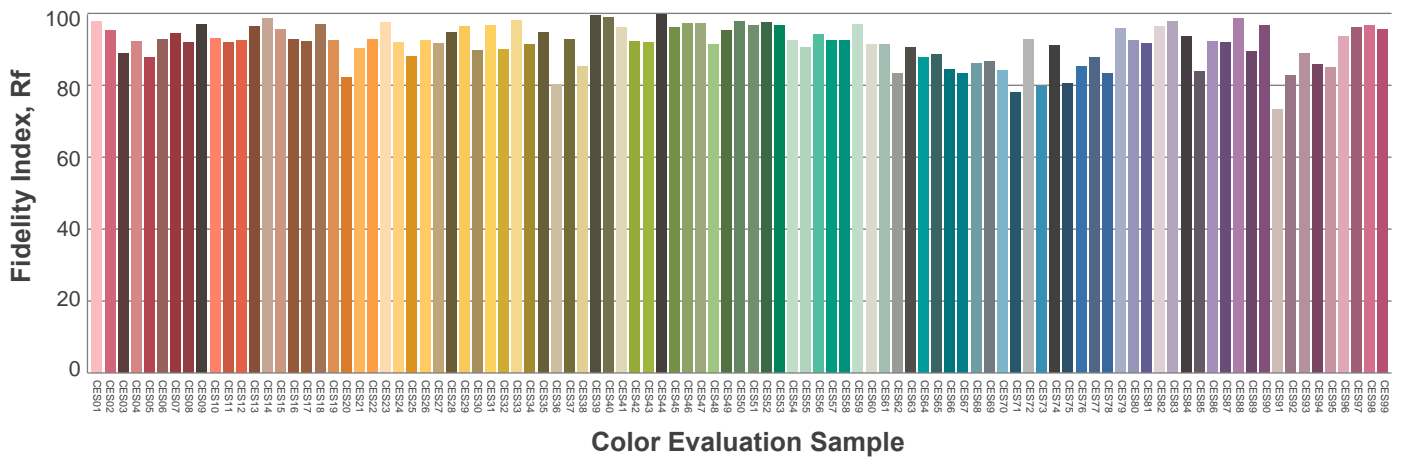
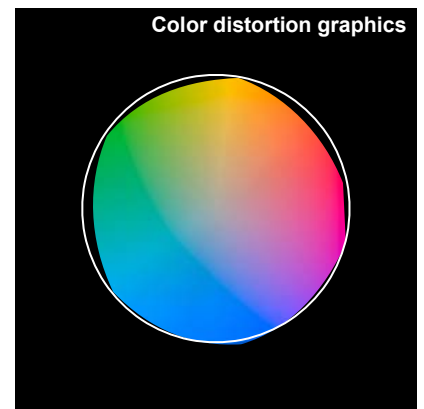
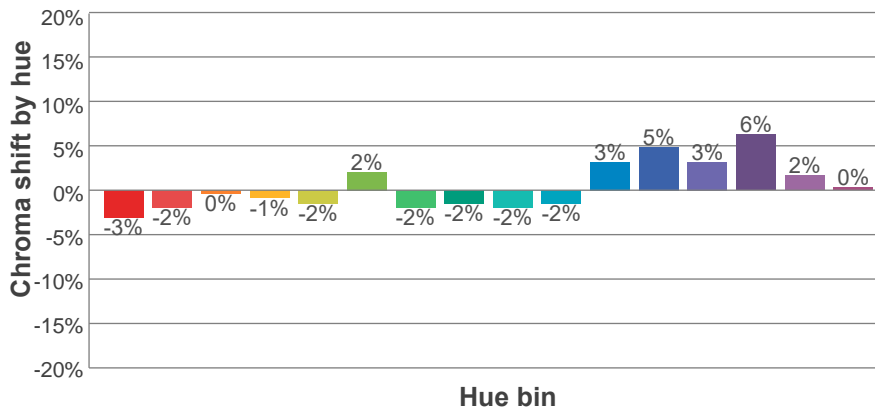
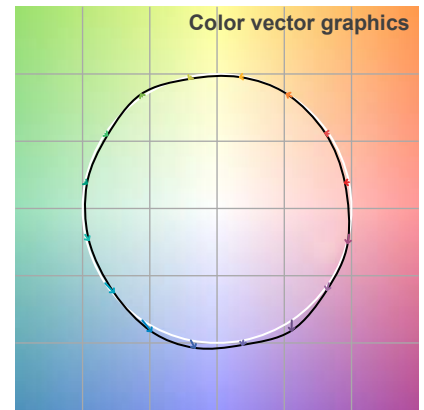
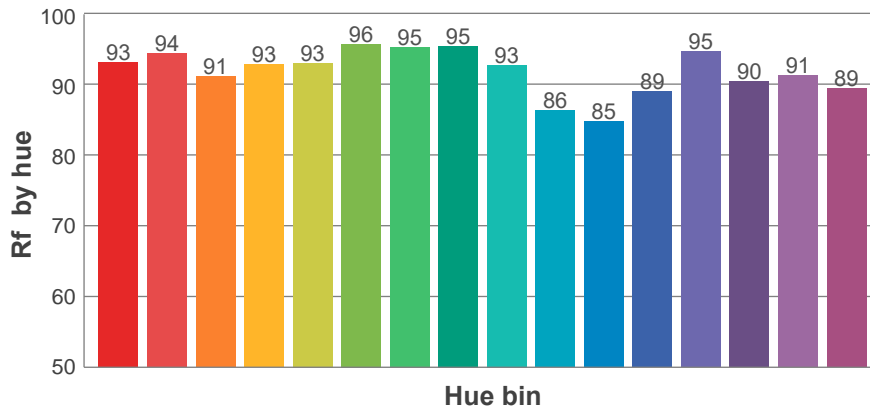
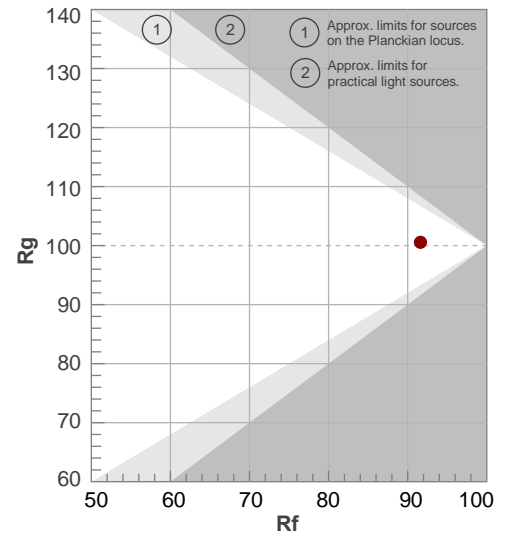
Rf 91.6

Fidelity index Rf

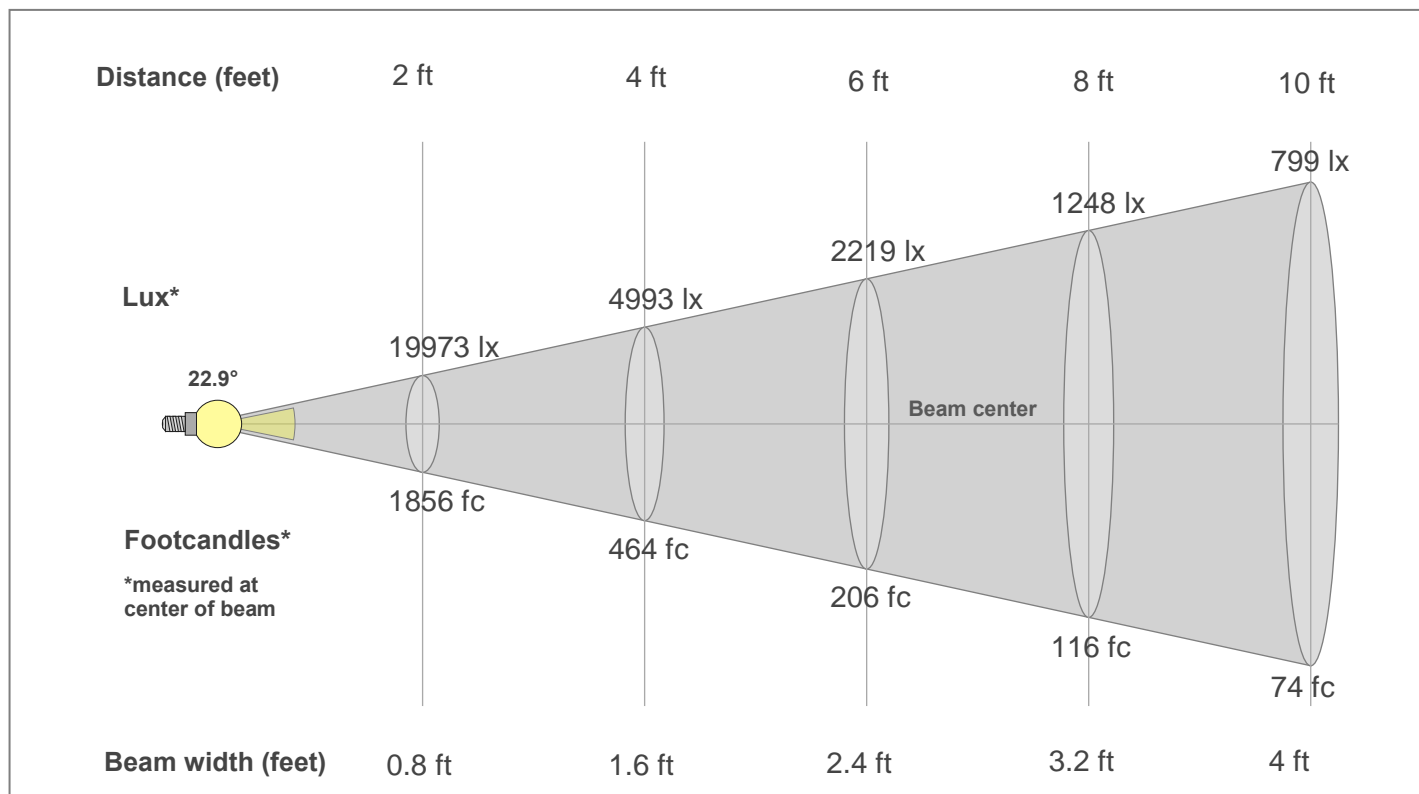
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	94	-2%	2%
3	91	0%	4%
4	93	-1%	2%
5	93	-2%	2%
6	96	2%	0%
7	95	-2%	0%
8	95	-2%	1%
9	93	-2%	4%
10	86	-2%	9%
11	85	3%	10%
12	89	5%	4%
13	95	3%	-1%
14	90	6%	-4%
15	91	2%	-5%
16	89	0%	-6%



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
7422lx	1856lx	825lx	464lx	297lx	206lx	151lx	116lx	92lx	74lx	61lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
689.5fc	172.4fc	76.6fc	43.1fc	27.6fc	19.2fc	14.1fc	10.8fc	8.5fc	6.9fc	5.7fc	4.8fc	4.1fc	3.5fc	3.1fc	2.7fc	2.4fc	2.1fc	1.9fc	1.7fc

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°
7422	7423	7410	7301	7108	6866	6580	6225	5776	5247	4655	4013	3298	2553	1860	1292	891	642	486	378
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	63%	54%	44%	34%	25%	17%	12%	9%	7%	5%

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°
7422	7423	7410	7301	7108	6866	6580	6225	5776	5247	4655	4013	3298	2553	1860	1292	891	642	486	378
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	63%	54%	44%	34%	25%	17%	12%	9%	7%	5%

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°
7422	7423	7410	7301	7108	6866	6580	6225	5776	5247	4655	4013	3298	2553	1860	1292	891	642	486	378
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	63%	54%	44%	34%	25%	17%	12%	9%	7%	5%

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°
7422	7423	7410	7301	7108	6866	6580	6225	5776	5247	4655	4013	3298	2553	1860	1292	891	642	486	378
100%	100%	100%	98%	96%	93%	89%	84%	78%	71%	63%	54%	44%	34%	25%	17%	12%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.9°	33.1°	44.7°	99.7%	99.5%