

Photometric / Colorimetric / Electric Report

Fixture Model:

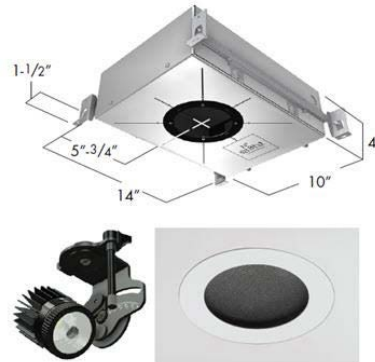
804S-J2S-TW-15T-4500K-EL3-8-700-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

7/28/2020



Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 91.9

Color temperature:

4505 K

CIE 1931:

**x: 0.361
y: 0.367**

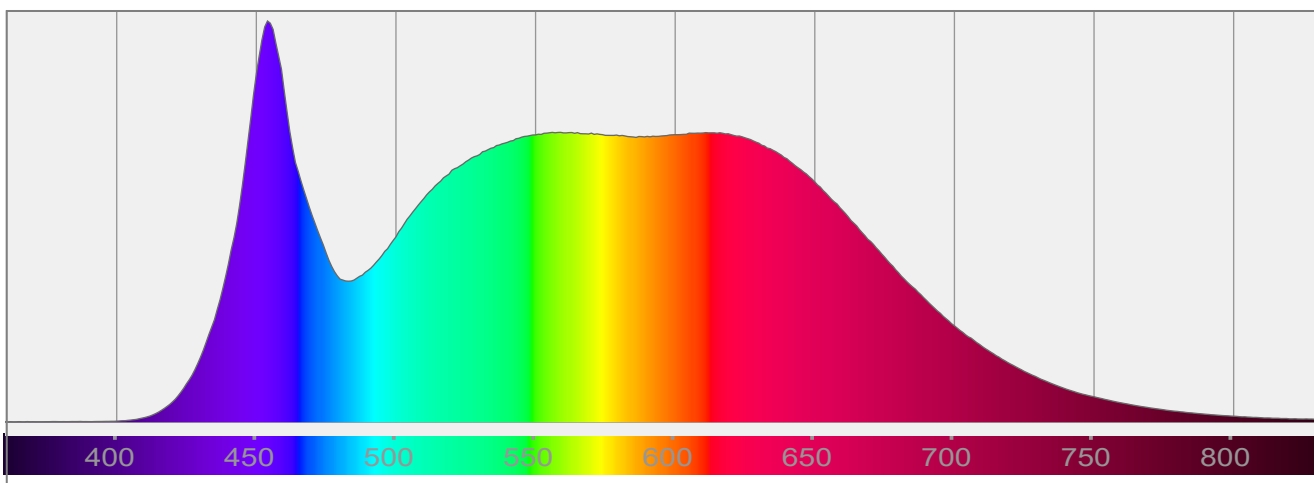
Output: 1130 lm

Peak: 7535 cd

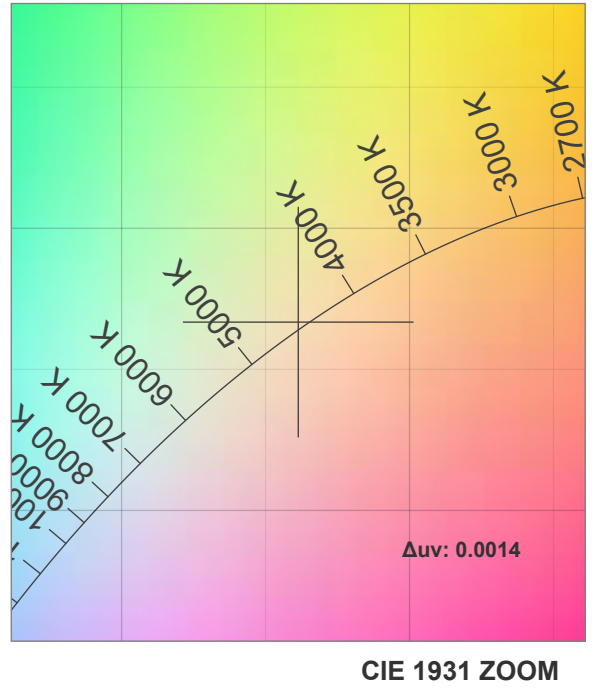
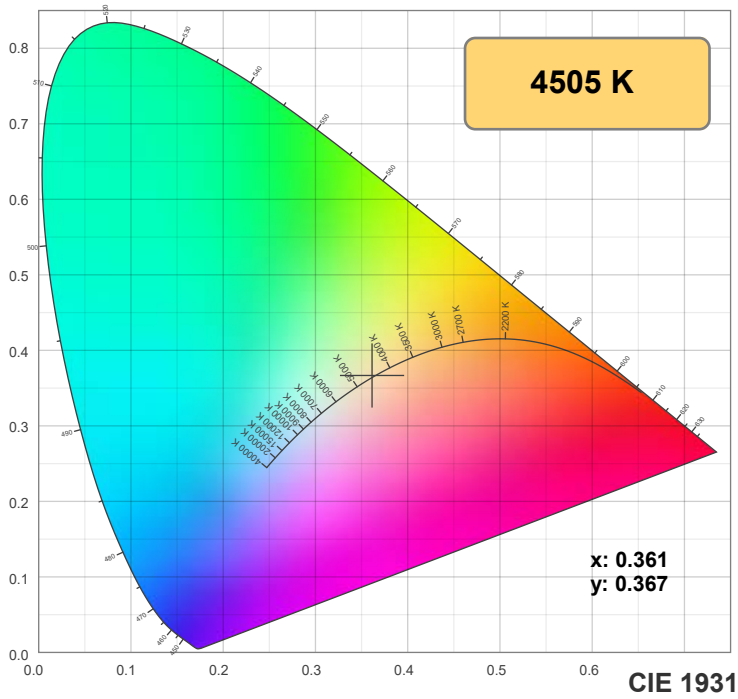
Power: 14.7 W

PF: 0.99

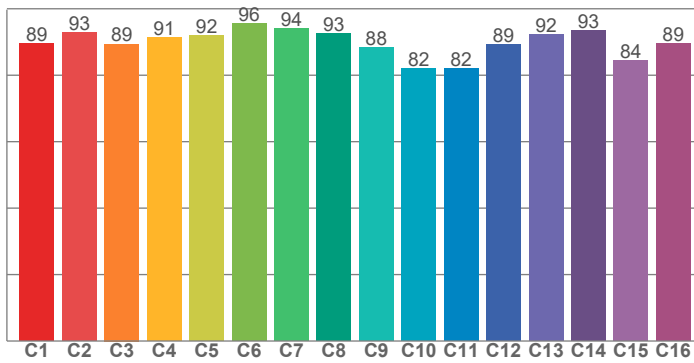
Spectra:



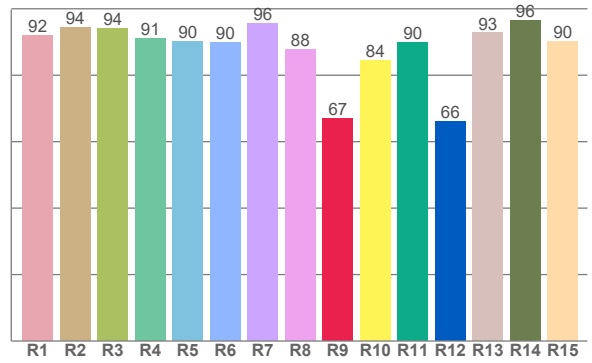
Color Details



TM-30: 89.7



CRI: 91.9 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.9	94.3	94.0	91.1	90.1	90.0	95.6	87.8	67.1	84.4	89.9	66.0	92.7	96.4	90.2

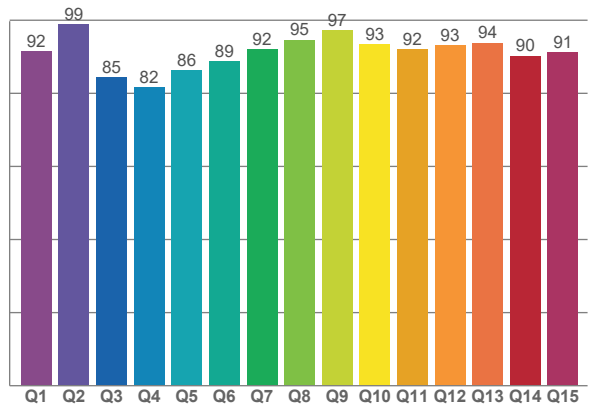
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.4	92.8	89.4	91.3	92.0	95.6	94.0	92.5	88.4	82.0	82.1	89.2	92.1	93.4	84.3	89.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.6	98.8	84.5	81.6	86.3	88.8	92.2	94.7	97.2	93.4	92.1	93.1	93.8	90.3	91.2

CQS: 90.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4505 K	91.9	67.1	89.7	98.4	90.3	0.361	0.367	0.216	0.329	0.0014

TM-30 Details

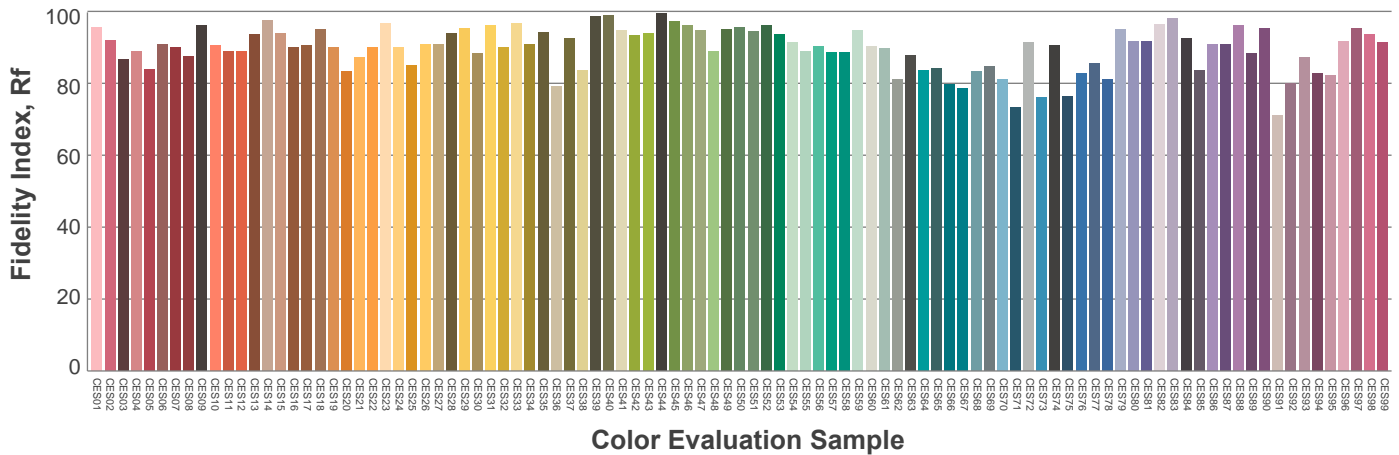
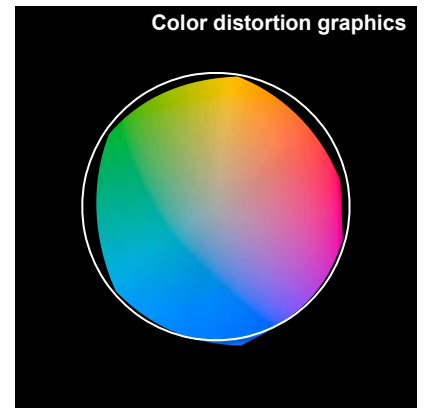
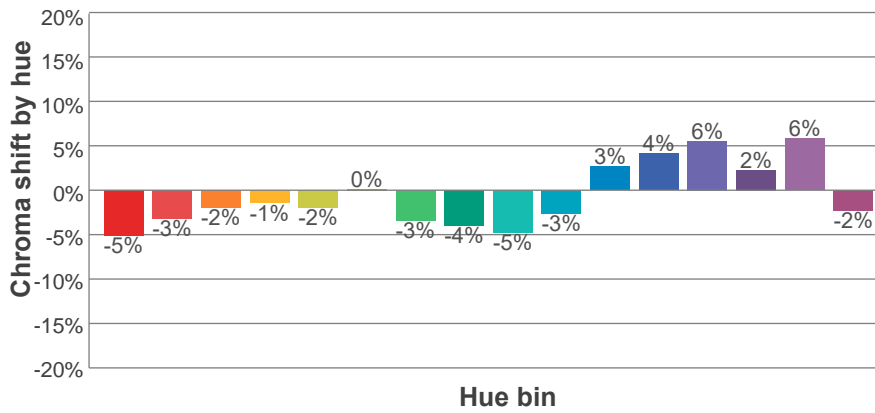
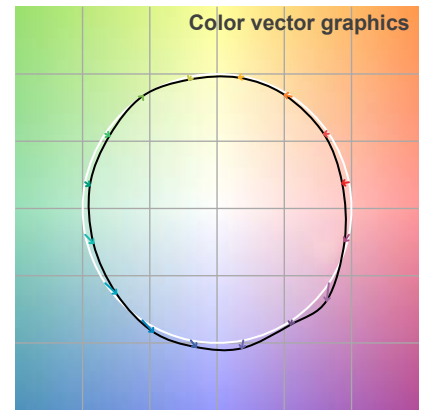
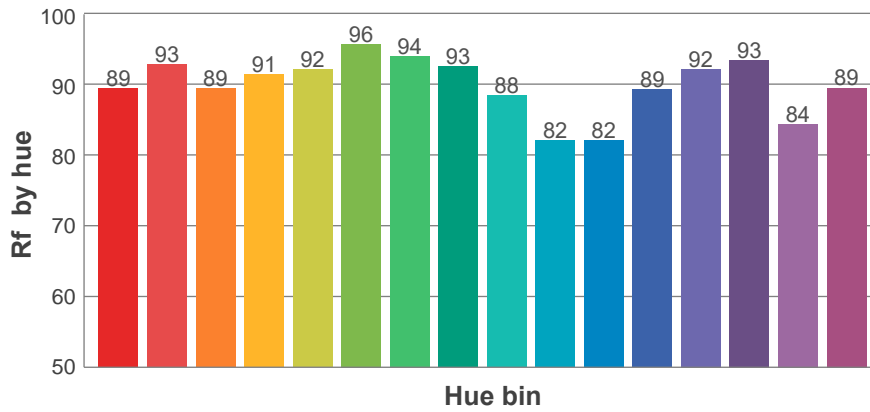
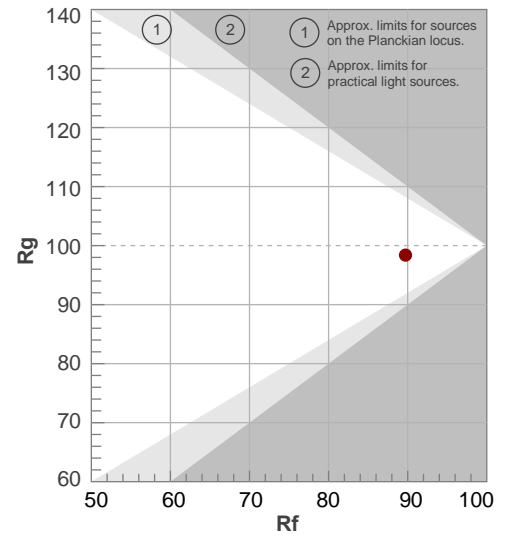
Rf 89.7

Fidelity index Rf

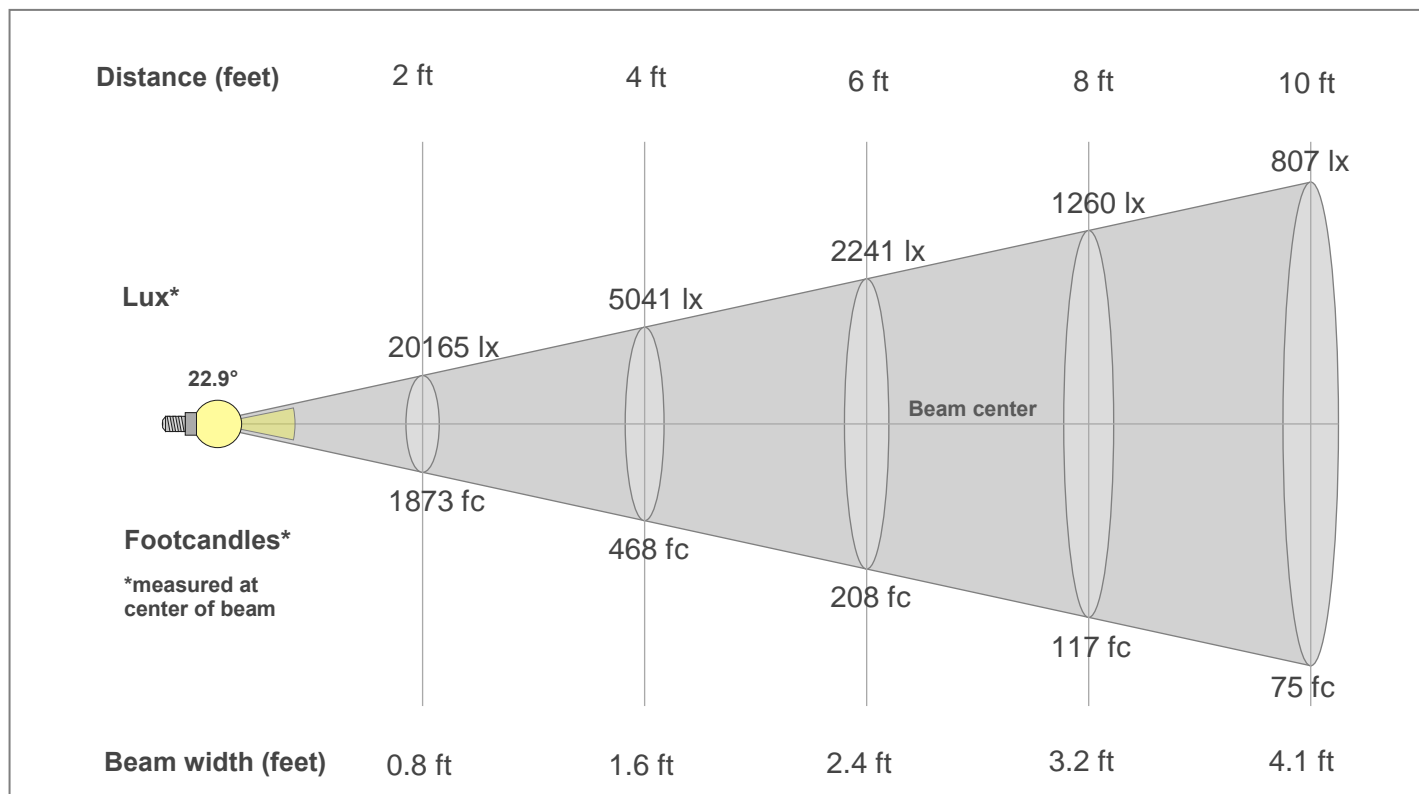
Rg 98.4

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-5%	0%
2	93	-3%	2%
3	89	-2%	5%
4	91	-1%	3%
5	92	-2%	2%
6	96	0%	0%
7	94	-3%	-1%
8	93	-4%	2%
9	88	-5%	7%
10	82	-3%	11%
11	82	3%	11%
12	89	4%	5%
13	92	6%	-2%
14	93	2%	-2%
15	84	6%	-12%
16	89	-2%	-5%



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
7493lx	1873lx	833lx	468lx	300lx	208lx	153lx	117lx	93lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
696.2fc	174fc	77.4fc	43.5fc	27.8fc	19.3fc	14.2fc	10.9fc	8.6fc	7fc	5.8fc	4.8fc	4.1fc	3.6fc	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°
7493	7521	7517	7417	7236	7010	6743	6389	5907	5343	4732	4079	3359	2600	1886	1300	891	639	484	379
100%	100%	100%	99%	97%	94%	90%	85%	79%	71%	63%	54%	45%	35%	25%	17%	12%	9%	6%	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°
7493	7521	7517	7417	7236	7010	6743	6389	5907	5343	4732	4079	3359	2600	1886	1300	891	639	484	379
100%	100%	100%	99%	97%	94%	90%	85%	79%	71%	63%	54%	45%	35%	25%	17%	12%	9%	6%	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°
7493	7521	7517	7417	7236	7010	6743	6389	5907	5343	4732	4079	3359	2600	1886	1300	891	639	484	379
100%	100%	100%	99%	97%	94%	90%	85%	79%	71%	63%	54%	45%	35%	25%	17%	12%	9%	6%	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°
7493	7521	7517	7417	7236	7010	6743	6389	5907	5343	4732	4079	3359	2600	1886	1300	891	639	484	379
100%	100%	100%	99%	97%	94%	90%	85%	79%	71%	63%	54%	45%	35%	25%	17%	12%	9%	6%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.9°	32.9°	44.6°	99.8%	99.6%