

Photometric / Colorimetric / Electric Report

Fixture Model:

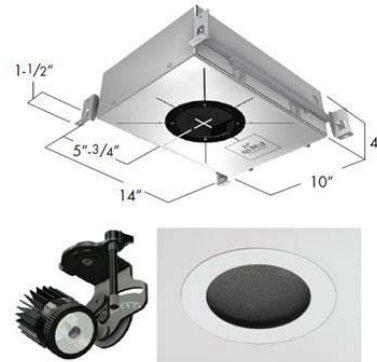
804S-J2S-TW-15T-2200K-EL3-8-700-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-NL

Date:

7/28/2020



Light efficiency:

58 Lumen/Watt

Light quality:

CRI: 91.6

Color temperature:

2230 K

CIE 1931:

**x: 0.500
y: 0.411**

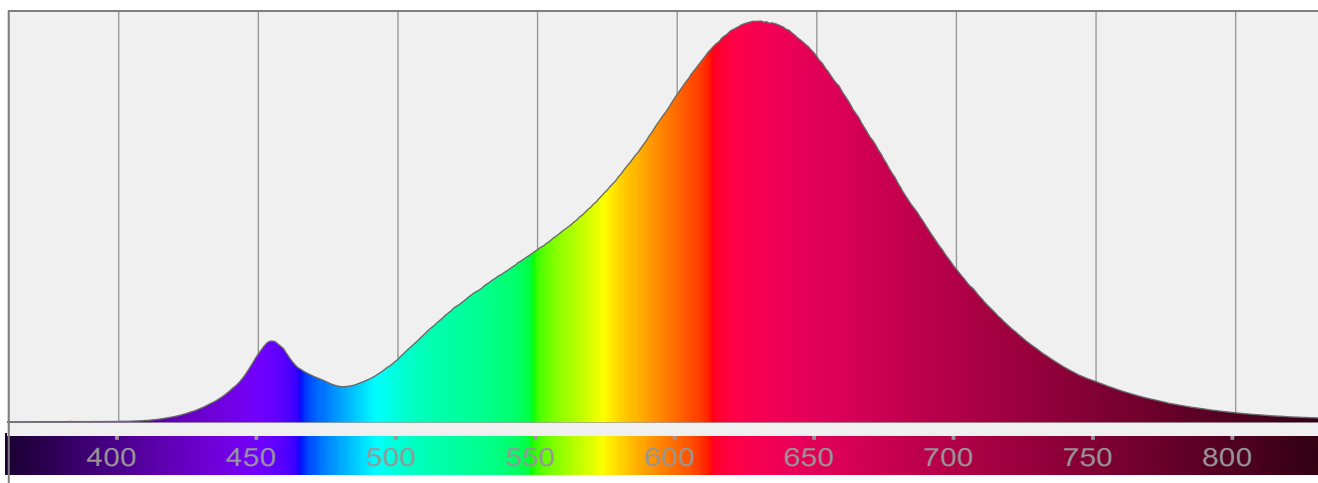
Output: 817 lm

Peak: 5412 cd

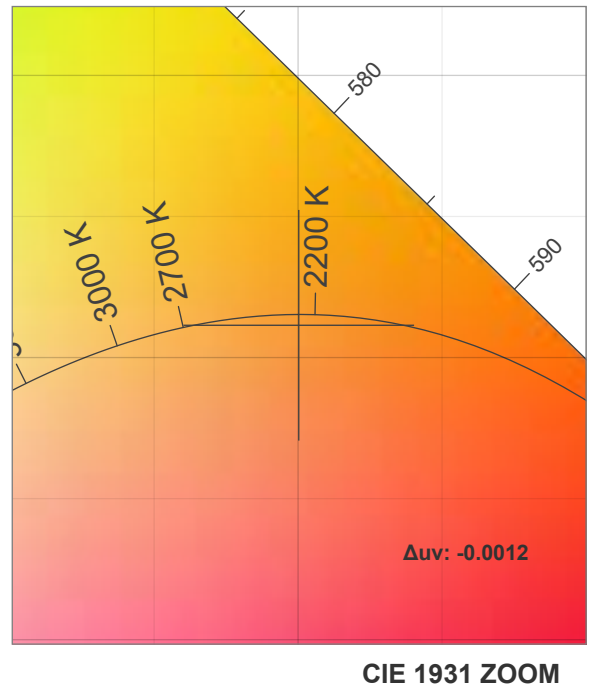
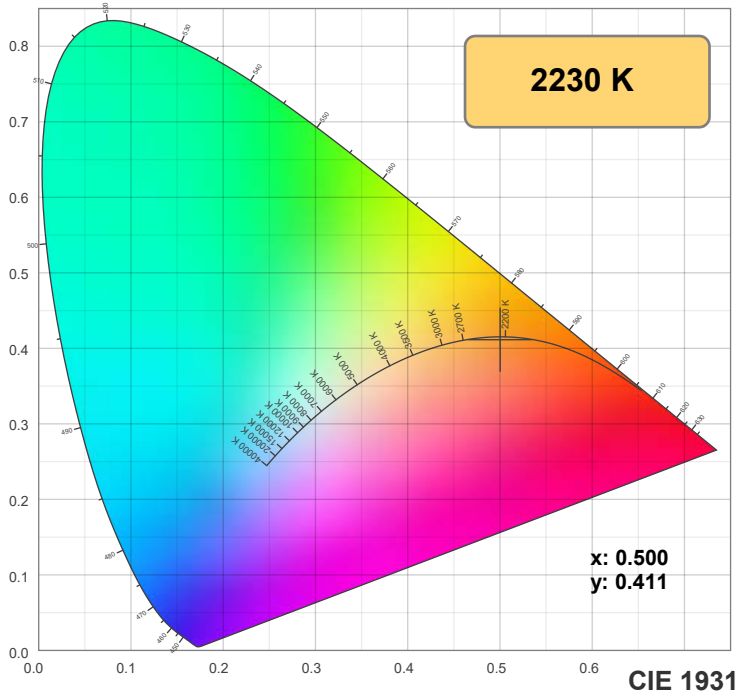
Power: 14.1 W

PF: 0.99

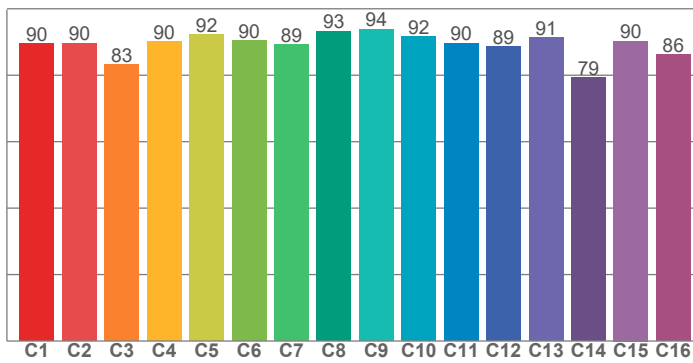
Spectra:



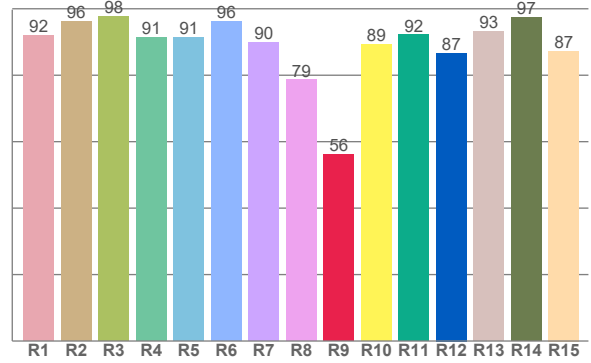
Color Details



TM-30: 89.7



CRI: 91.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.9	96.1	97.7	91.3	91.3	96.1	89.8	78.6	56.2	89.3	92.1	86.7	93.1	97.4	87.3

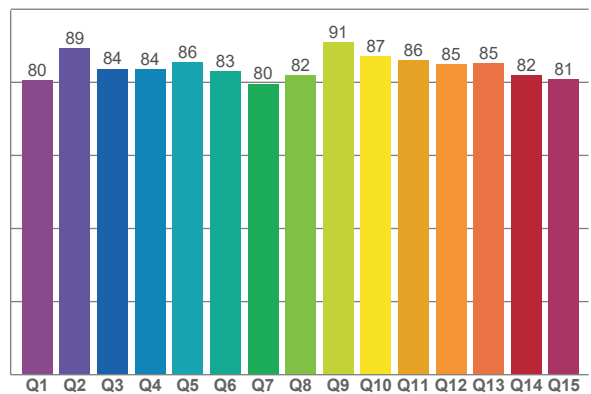
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.6	89.7	83.3	90.2	92.3	90.4	89.2	93.3	93.9	91.6	89.7	88.5	91.3	79.3	90.3	86.3

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.5	89.3	83.7	83.5	85.6	83.1	79.6	82.0	90.9	87.1	86.0	85.0	85.1	82.0	80.9

CQS: 83.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2230 K	91.6	56.2	89.7	102.3	83.7	0.500	0.411	0.288	0.356	-0.0012

TM-30 Details

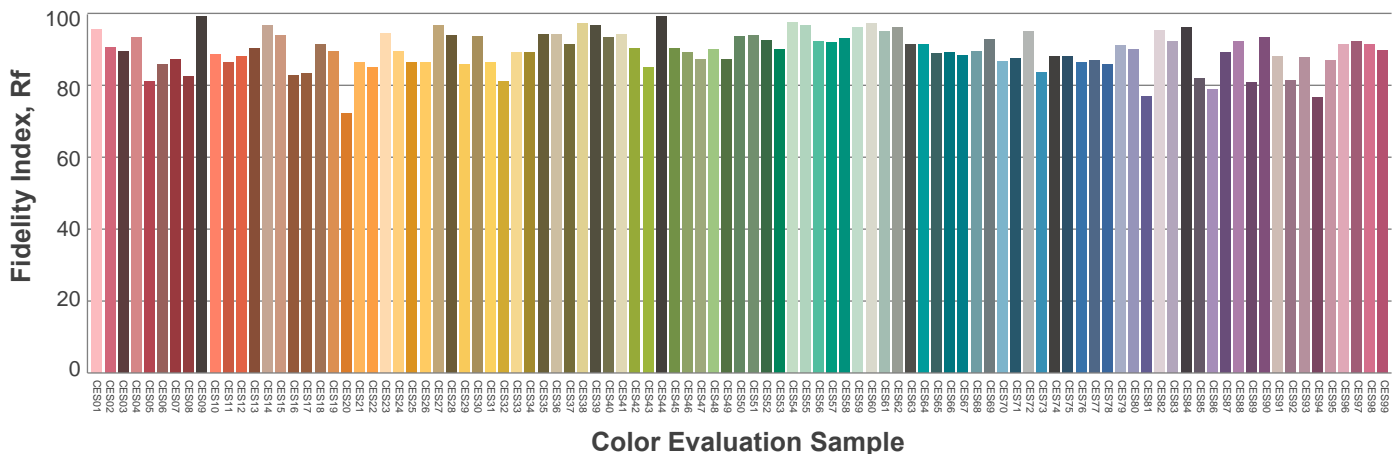
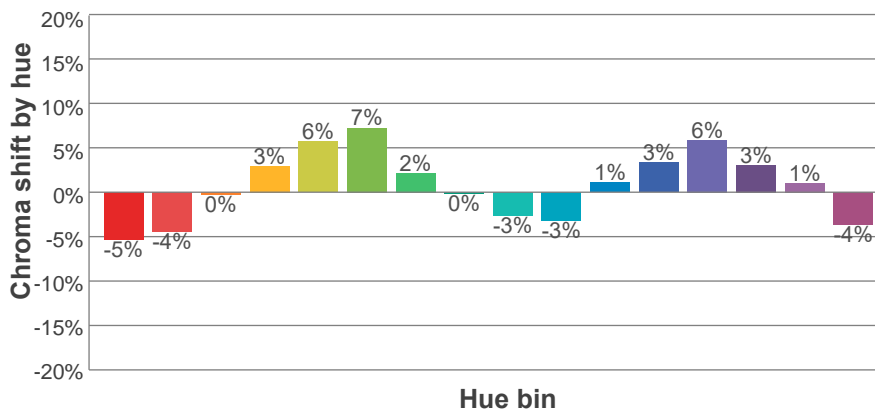
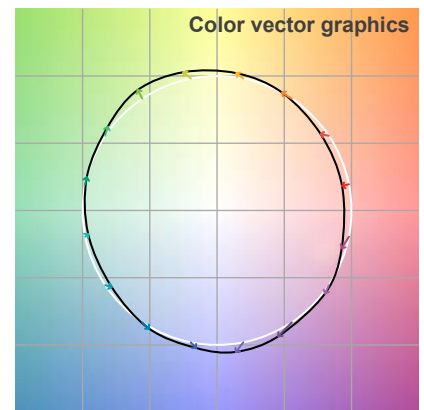
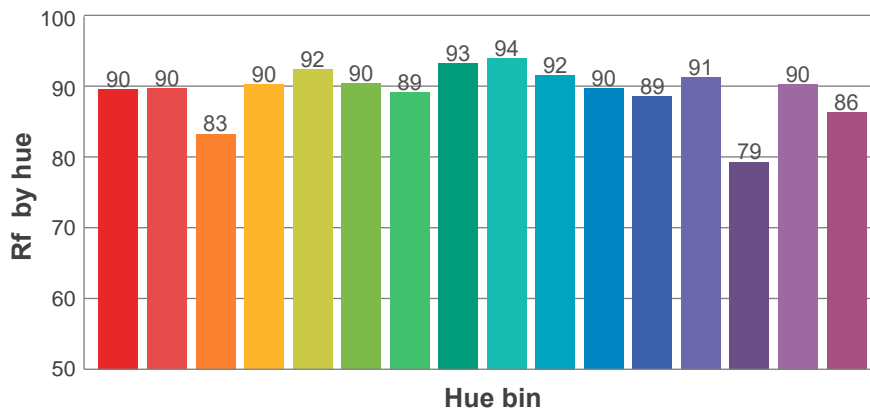
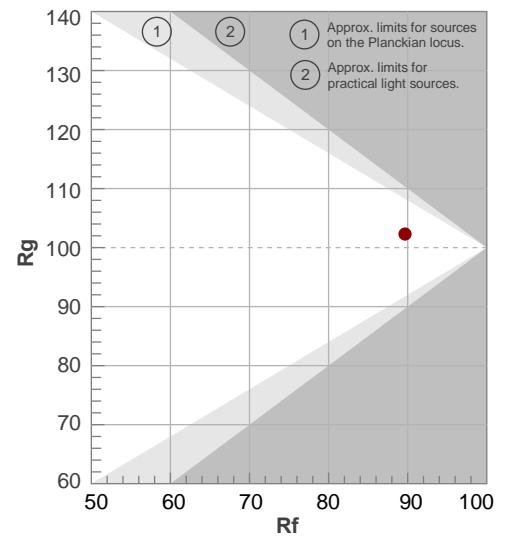
Rf 89.7

Fidelity index Rf

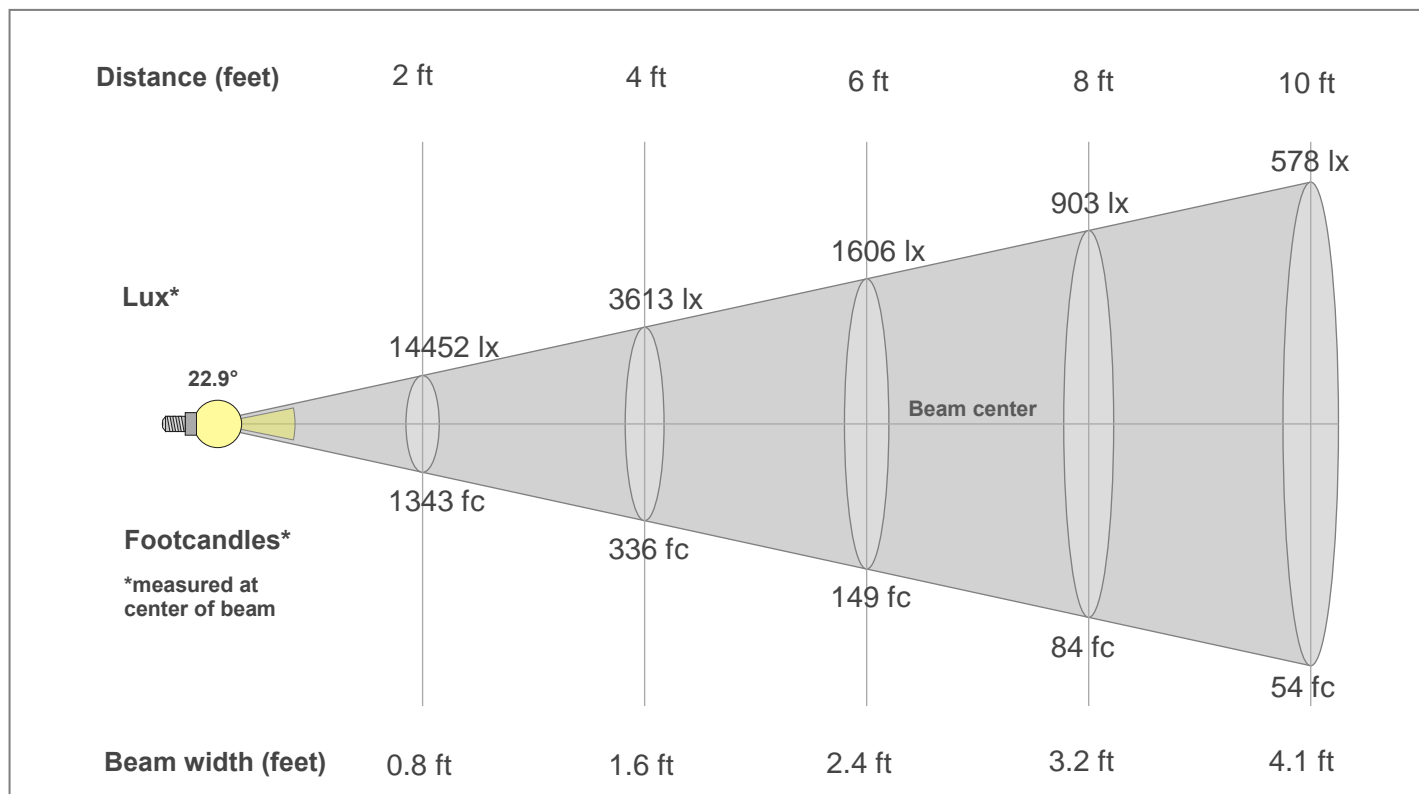
Rg 102.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	90	-4%	4%
3	83	0%	8%
4	90	3%	6%
5	92	6%	4%
6	90	7%	-1%
7	89	2%	-7%
8	93	0%	-5%
9	94	-3%	-2%
10	92	-3%	4%
11	90	1%	7%
12	89	3%	5%
13	91	6%	-7%
14	79	3%	-14%
15	90	1%	-7%
16	86	-4%	-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
5371lx	1343lx	597lx	336lx	215lx	149lx	110lx	84lx	66lx	54lx	44lx	37lx	32lx	27lx	24lx	21lx	19lx	17lx	15lx	13lx
498.9fc	124.7fc	55.4fc	31.2fc	20fc	13.9fc	10.2fc	7.8fc	6.2fc	5fc	4.1fc	3.5fc	3fc	2.5fc	2.2fc	1.9fc	1.7fc	1.5fc	1.4fc	1.2fc

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°
5371	5378	5406	5377	5249	5039	4765	4477	4185	3834	3422	2948	2411	1858	1356	955	676	496	375	290
100%	100%	101%	100%	98%	94%	89%	83%	78%	71%	64%	55%	45%	35%	25%	18%	13%	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°
5371	5378	5406	5377	5249	5039	4765	4477	4185	3834	3422	2948	2411	1858	1356	955	676	496	375	290
100%	100%	101%	100%	98%	94%	89%	83%	78%	71%	64%	55%	45%	35%	25%	18%	13%	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°
5371	5378	5406	5377	5249	5039	4765	4477	4185	3834	3422	2948	2411	1858	1356	955	676	496	375	290
100%	100%	101%	100%	98%	94%	89%	83%	78%	71%	64%	55%	45%	35%	25%	18%	13%	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°
5371	5378	5406	5377	5249	5039	4765	4477	4185	3834	3422	2948	2411	1858	1356	955	676	496	375	290
100%	100%	101%	100%	98%	94%	89%	83%	78%	71%	64%	55%	45%	35%	25%	18%	13%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.9°	33.3°	45.1°	99.8%	99.6%