

Photometric / Colorimetric / Electric Report

Fixture Model:

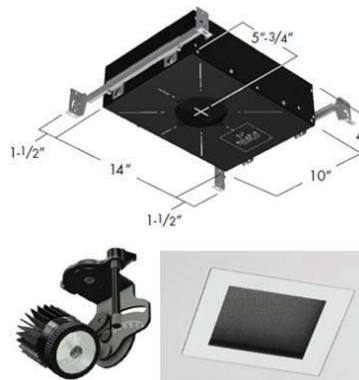
804S-J2S-HI-3-30-15-PR1-8-350-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

12/6/2023



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

2997 K

CIE 1931:

x: 0.435
y: 0.399

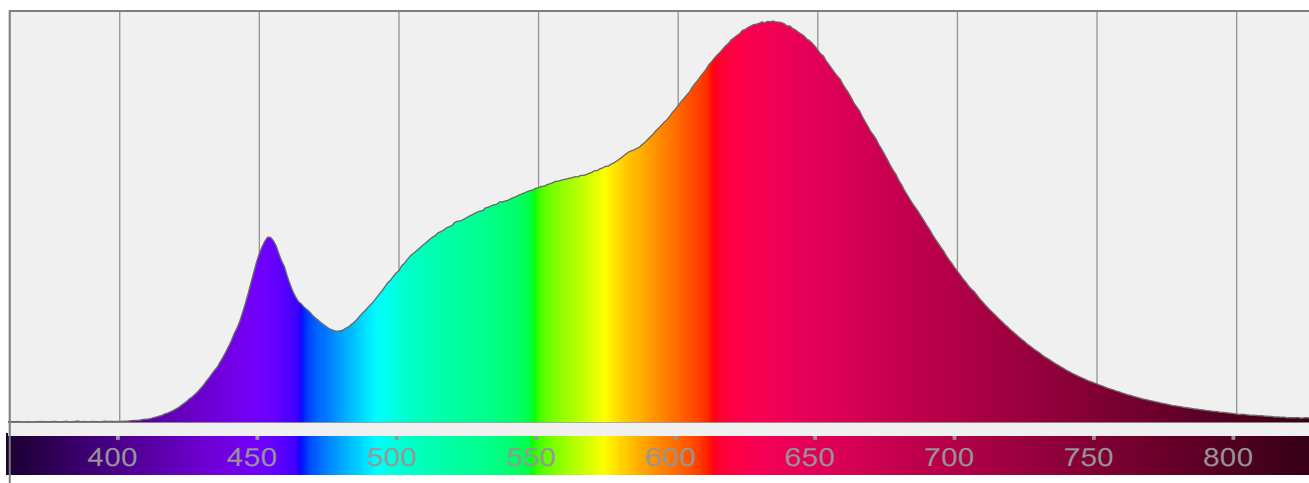
Output: 920 lm

Peak: 7793 cd

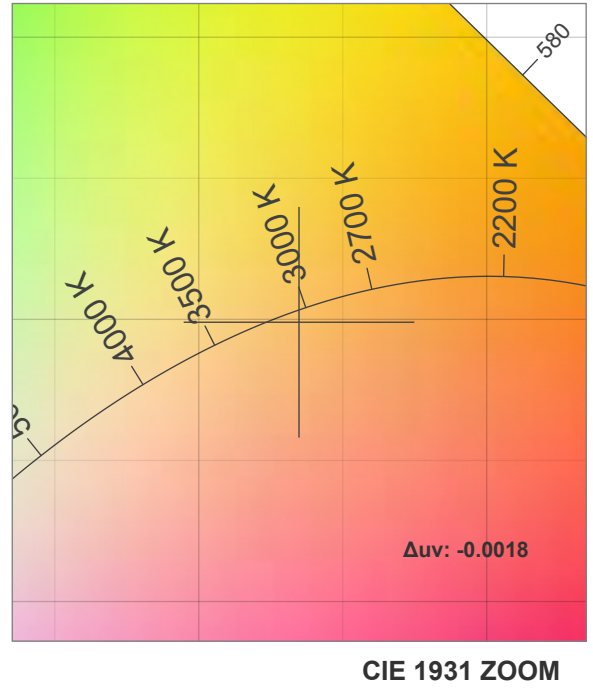
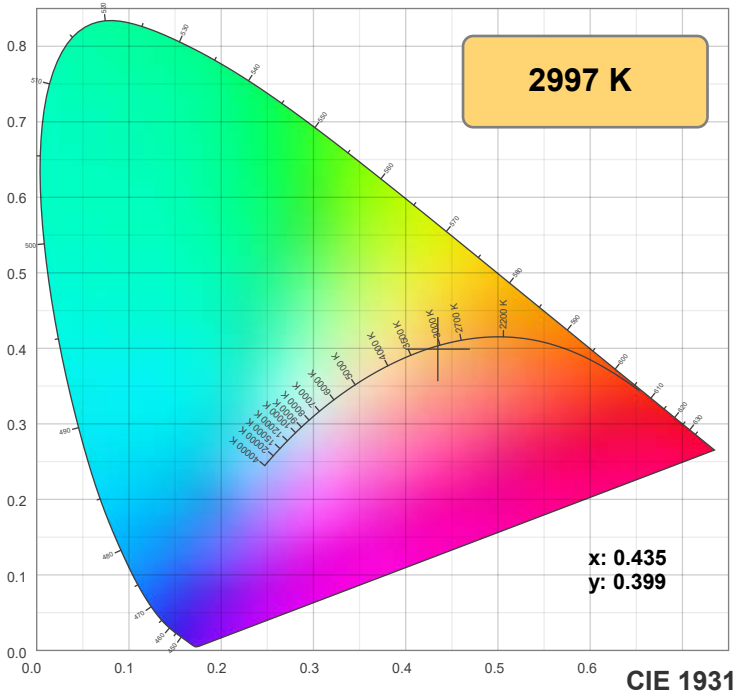
Power: 14.8 W

PF: 0.99

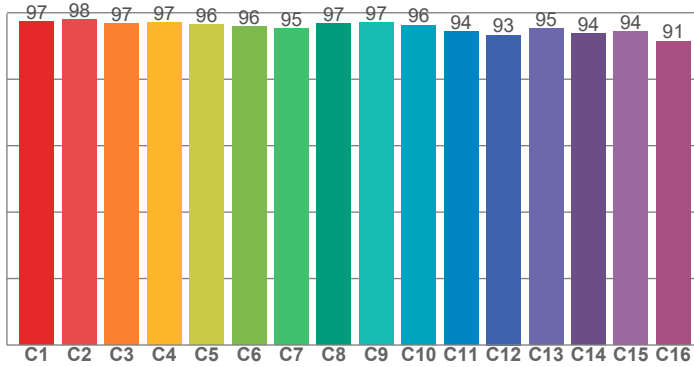
Spectra:



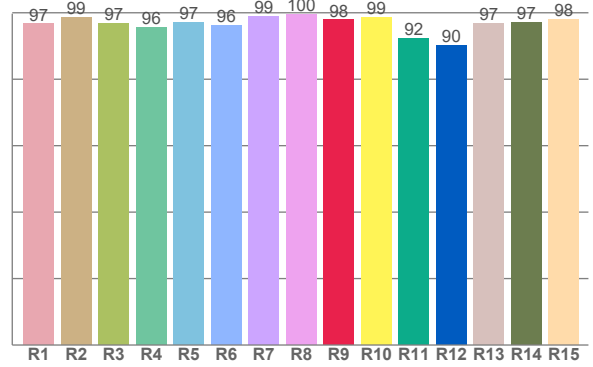
Color Details



TM-30: 95.9



CRI: 97.4 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	98.6	96.7	95.6	97.0	96.2	98.8	99.5	97.8	98.7	92.3	90.1	96.8	97.1	98.1

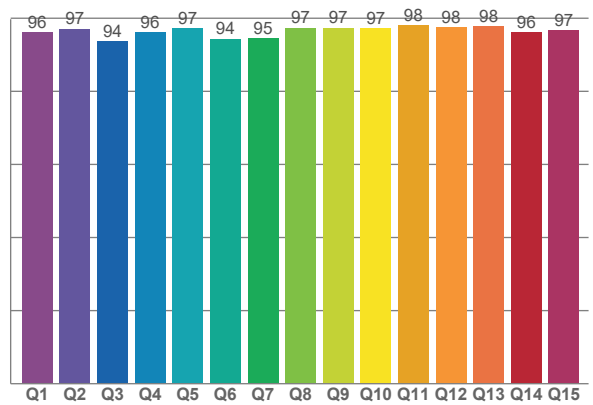
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	98.0	96.8	96.9	96.4	95.8	95.1	96.6	97.1	96.3	94.4	93.3	95.2	93.8	94.3	91.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.2	97.1	93.6	96.1	97.2	94.4	94.5	97.4	97.4	97.2	98.1	97.5	97.7	96.1	96.7

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2997 K	97.4	97.8	95.9	102.4	96.1	0.435	0.399	0.251	0.346	-0.0018

TM-30 Details

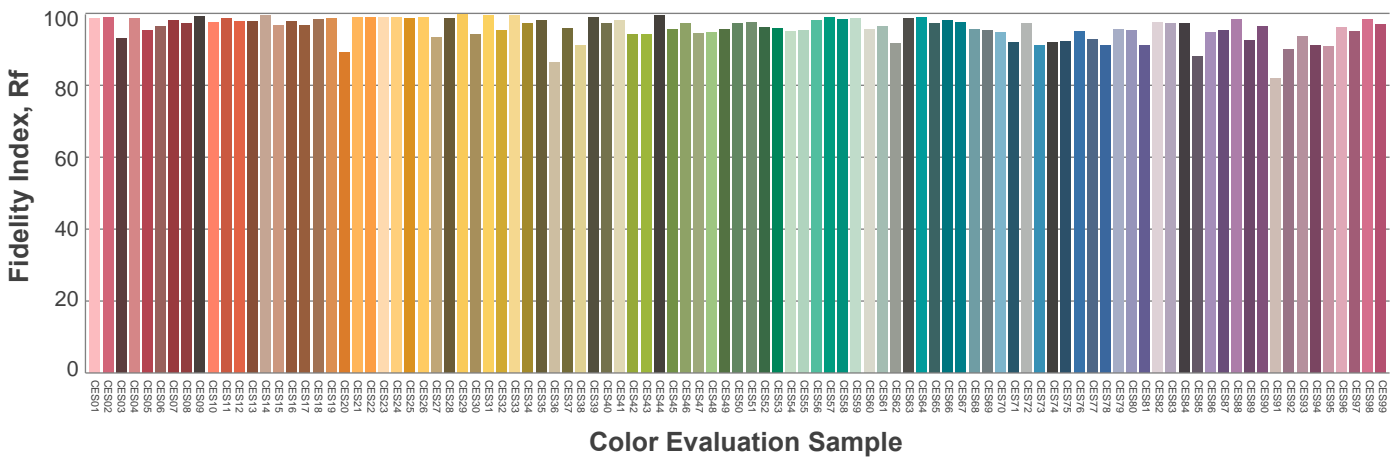
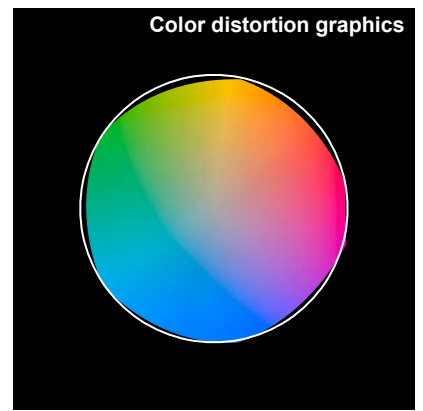
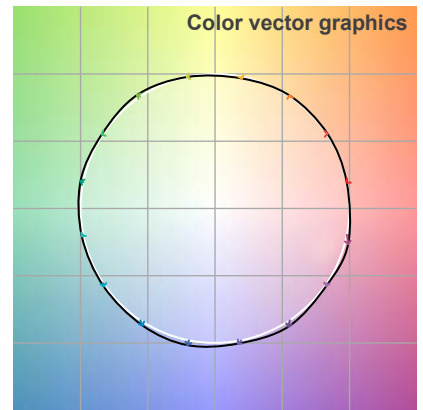
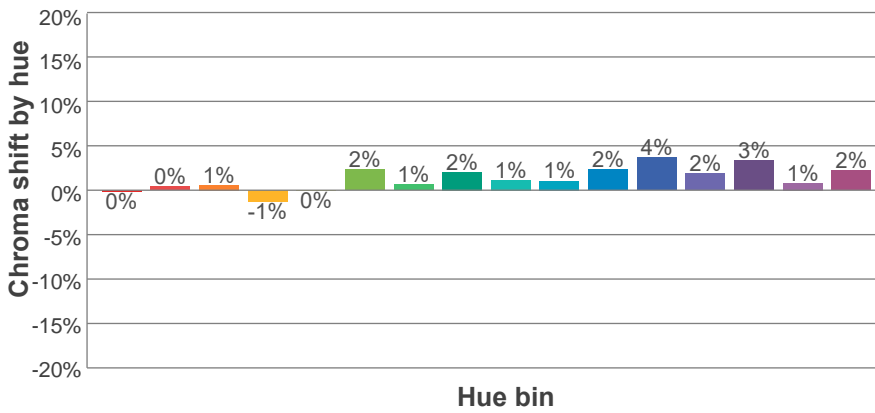
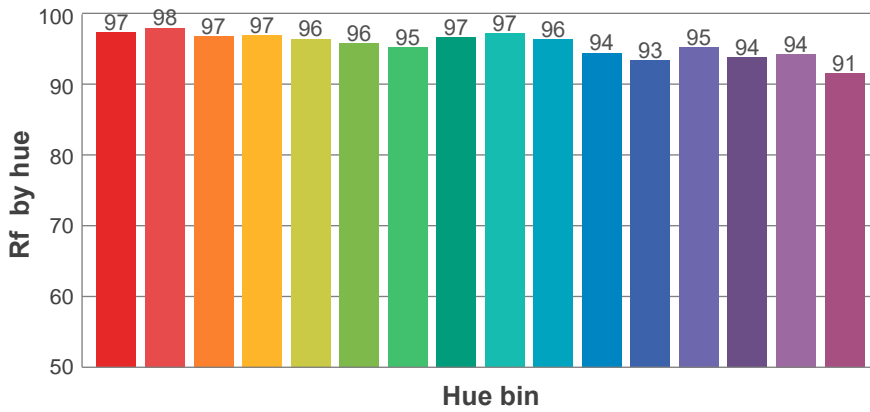
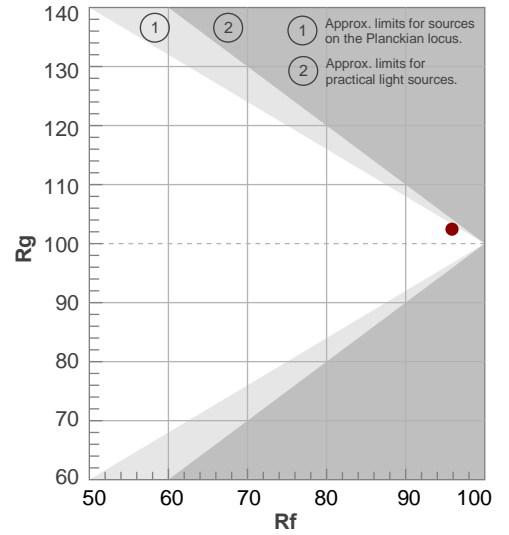
Rf 95.9

Fidelity index R_f

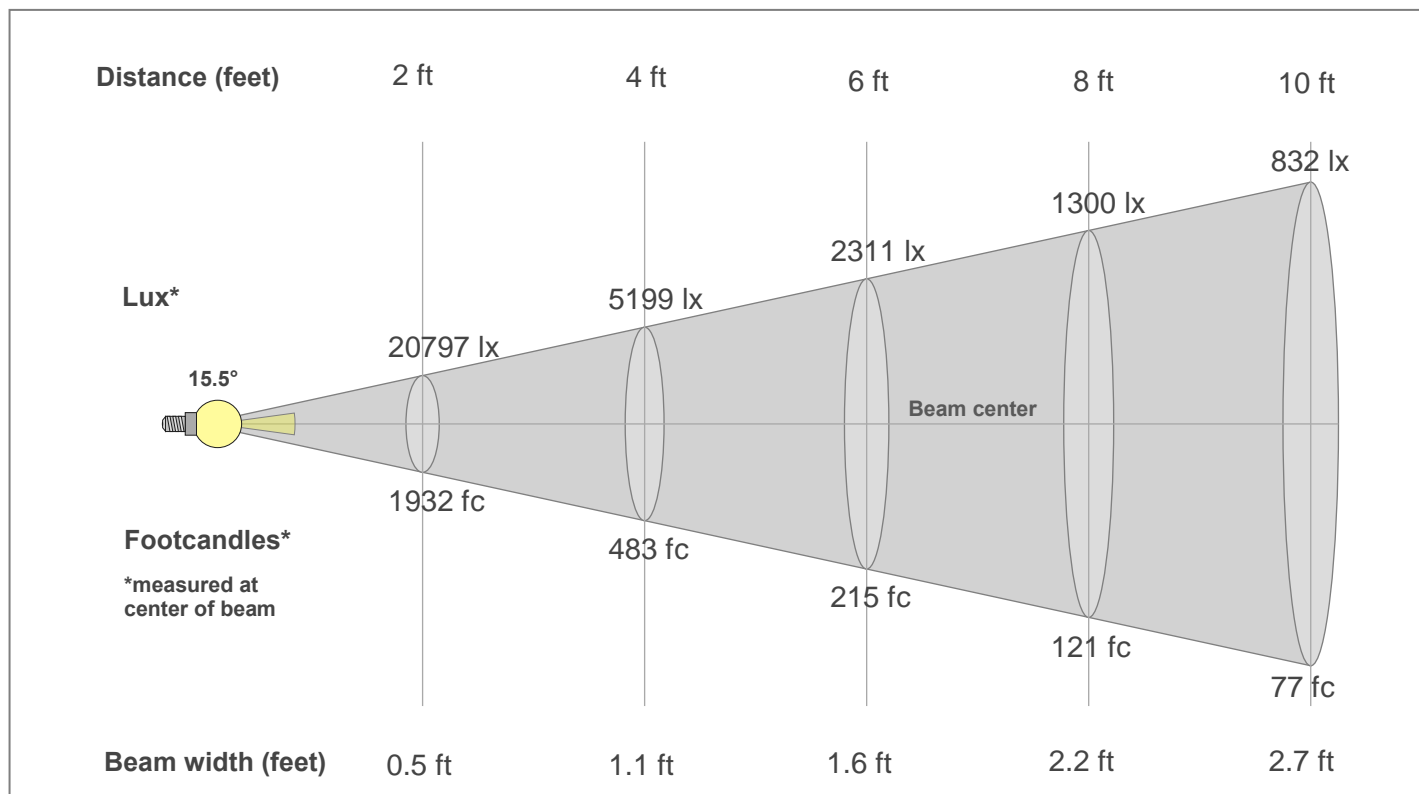
Rg 102.4

Gamut index Rg

		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	97	0%	0%
2	98	0%	0%
3	97	1%	1%
4	97	-1%	-1%
5	96	0%	1%
6	96	2%	1%
7	95	1%	1%
8	97	2%	0%
9	97	1%	1%
10	96	1%	2%
11	94	2%	4%
12	93	4%	0%
13	95	2%	-3%
14	94	3%	-3%
15	94	1%	-2%
16	91	2%	-7%



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
7729lx	1932lx	859lx	483lx	309lx	215lx	158lx	121lx	95lx	77lx	64lx	54lx	46lx	39lx	34lx	30lx	27lx	24lx	21lx	19lx
718fc	179.5fc	79.8fc	44.9fc	28.7fc	19.9fc	14.7fc	11.2fc	8.9fc	7.2fc	5.9fc	5fc	4.2fc	3.7fc	3.2fc	2.8fc	2.5fc	2.2fc	2fc	1.8fc

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°
7729	7571	7295	6858	6301	5659	4993	4323	3699	3133	2637	2210	1846	1542	1286	1072	894	749	633	538
100%	98%	94%	89%	82%	73%	65%	56%	48%	41%	34%	29%	24%	20%	17%	14%	12%	10%	8%	7%

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°
7729	7702	7412	6960	6397	5751	5070	4380	3739	3170	2675	2249	1883	1571	1313	1097	914	763	640	540
100%	100%	96%	90%	83%	74%	66%	57%	48%	41%	35%	29%	24%	20%	17%	14%	12%	10%	8%	7%

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°
7729	7571	7295	6858	6301	5659	4993	4323	3699	3133	2637	2210	1846	1542	1286	1072	894	749	633	538
100%	98%	94%	89%	82%	73%	65%	56%	48%	41%	34%	29%	24%	20%	17%	14%	12%	10%	8%	7%

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°
7729	7702	7412	6960	6397	5751	5070	4380	3739	3170	2675	2249	1883	1571	1313	1097	914	763	640	540
100%	100%	96%	90%	83%	74%	66%	57%	48%	41%	35%	29%	24%	20%	17%	14%	12%	10%	8%	7%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
15.5°	33.7°	52.3°	99.4%	99.1%