

Photometric / Colorimetric / Electric Report

Fixture Model:

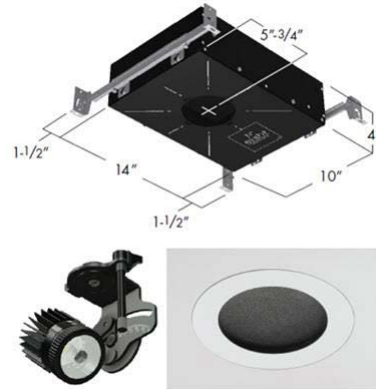
804S-J2S-HI-3-30-10-PR1-8-350-FR-LG-P-1-WH-NL

Trim Model:

FR-P-1-WH-LG/NL

Date:

12/8/2023



Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 96.4

Color temperature:

3059 K

CIE 1931:

**x: 0.430
y: 0.396**

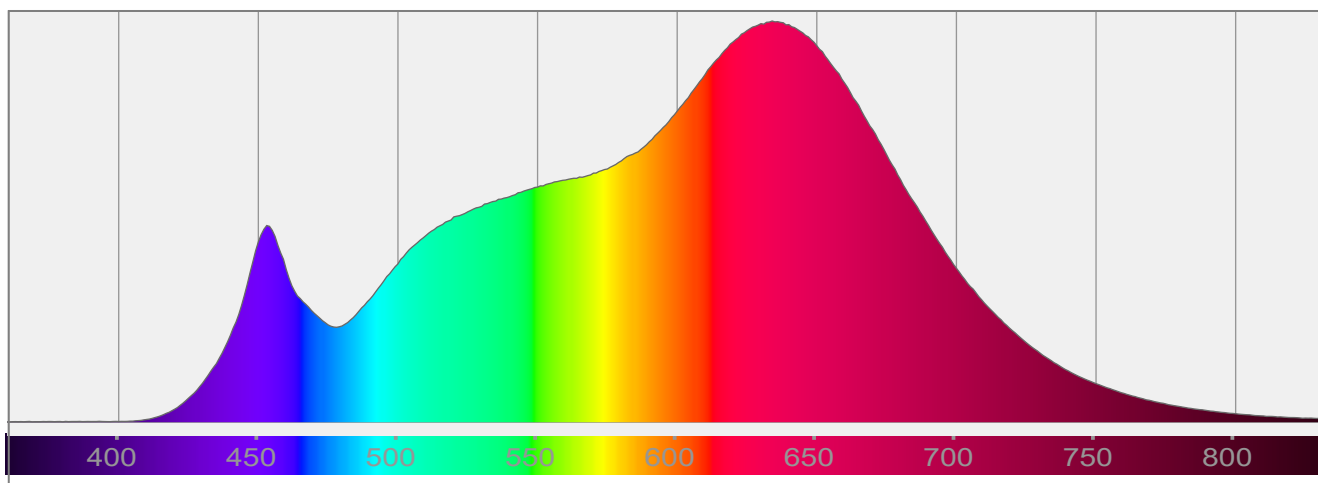
Output: 867 lm

Peak: 12585 cd

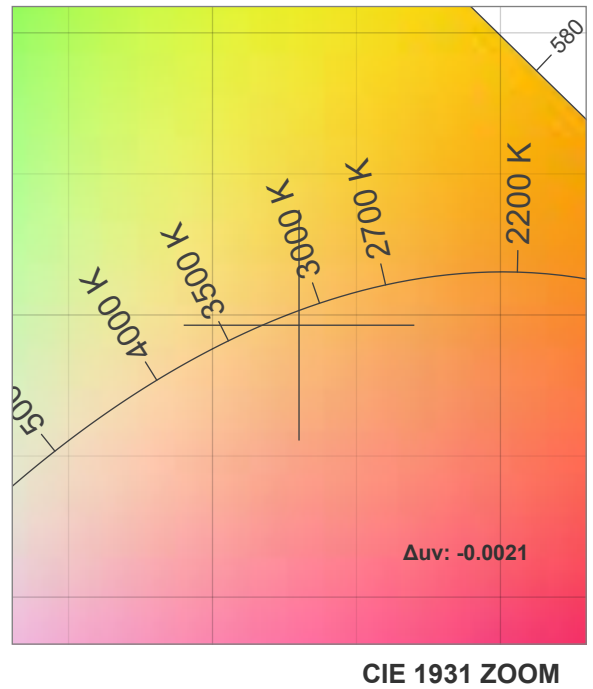
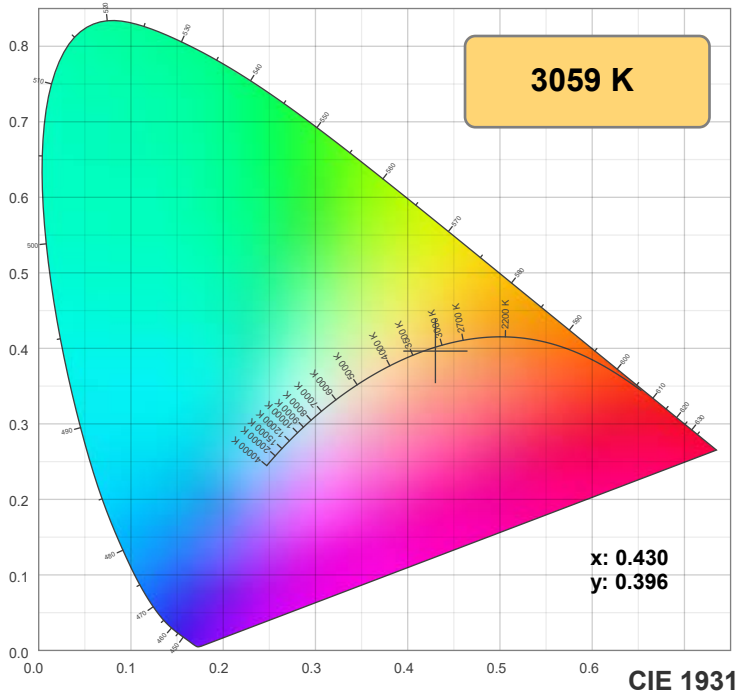
Power: 14.6 W

PF: 0.99

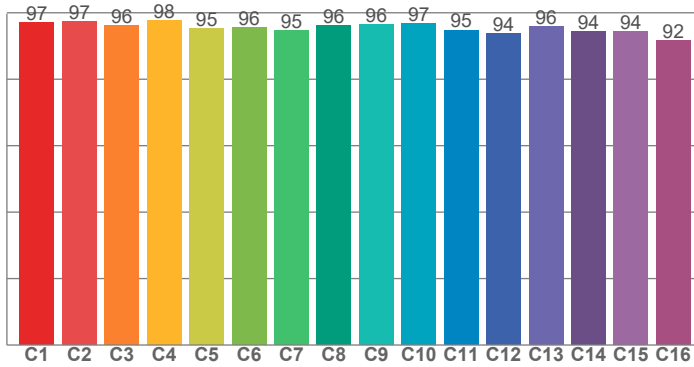
Spectra:



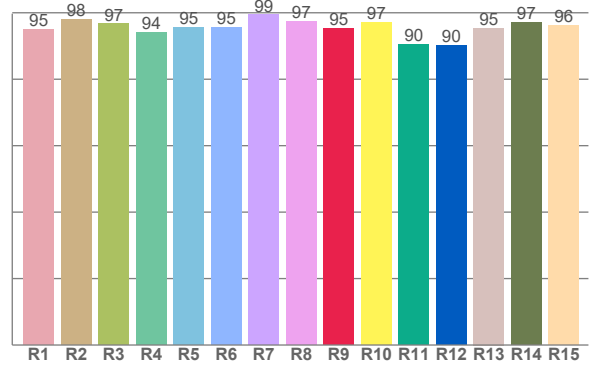
Color Details



TM-30: 95.7



CRI: 96.4 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.1	97.9	96.6	94.2	95.5	95.5	99.3	97.5	95.2	97.0	90.5	90.1	95.4	97.0	96.1

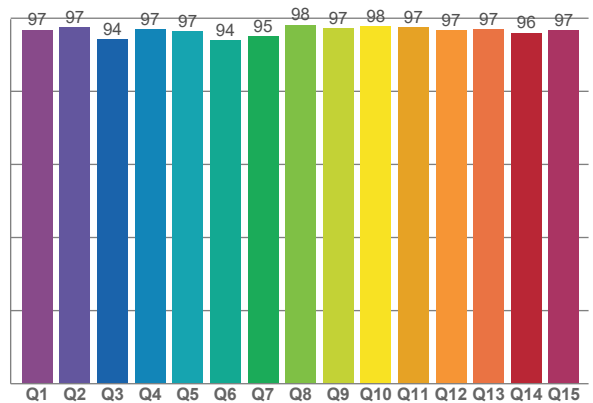
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.0	97.4	96.2	97.8	95.3	95.7	94.6	96.1	96.4	96.7	94.8	93.6	95.8	94.4	94.2	91.6

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.9	97.5	94.2	97.0	96.6	94.1	95.0	98.2	97.3	97.8	97.5	96.7	97.0	96.0	96.6

CQS: 96.2



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3059 K	96.4	95.2	95.7	102.9	96.2	0.430	0.396	0.249	0.345	-0.0021

TM-30 Details

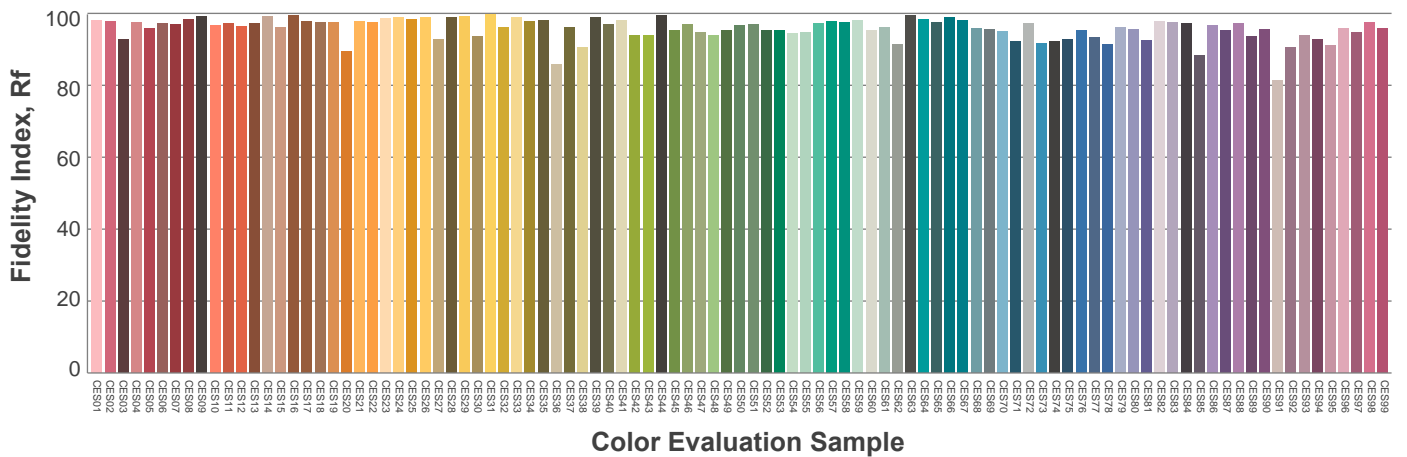
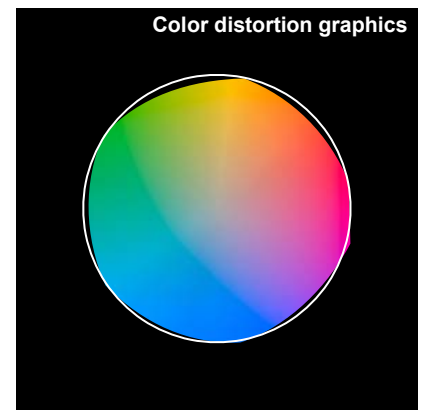
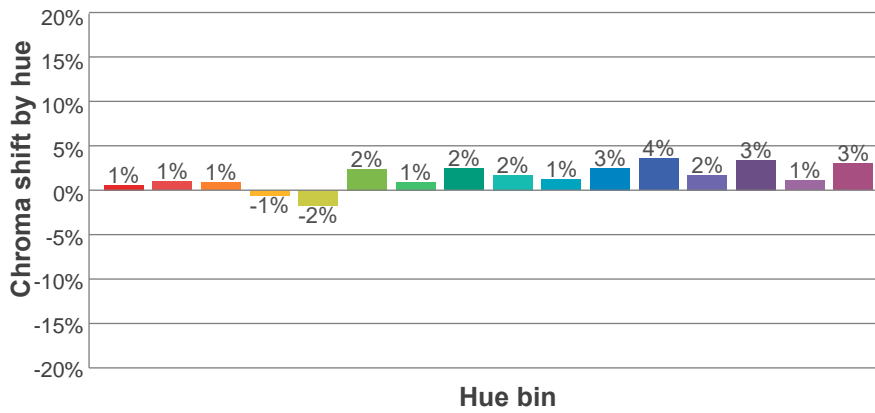
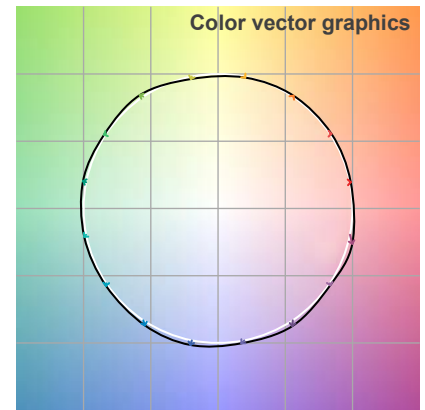
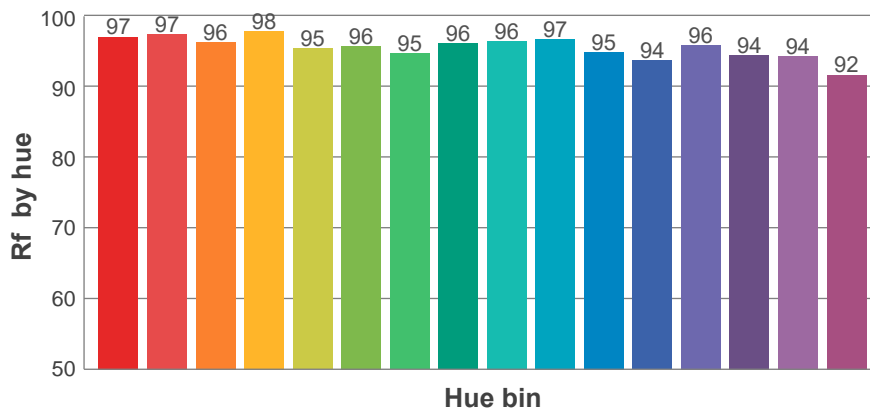
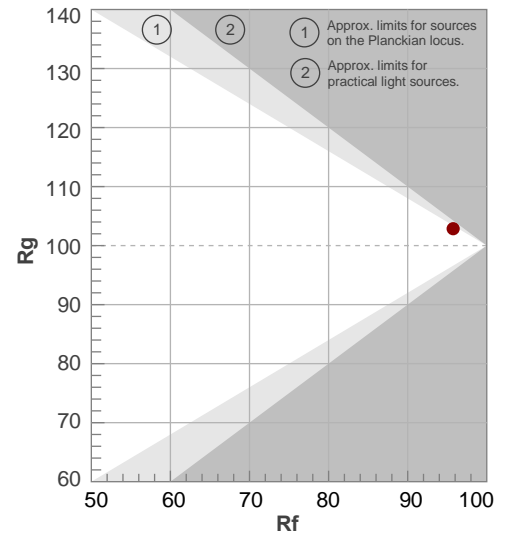
Rf 95.7

Fidelity index Rf

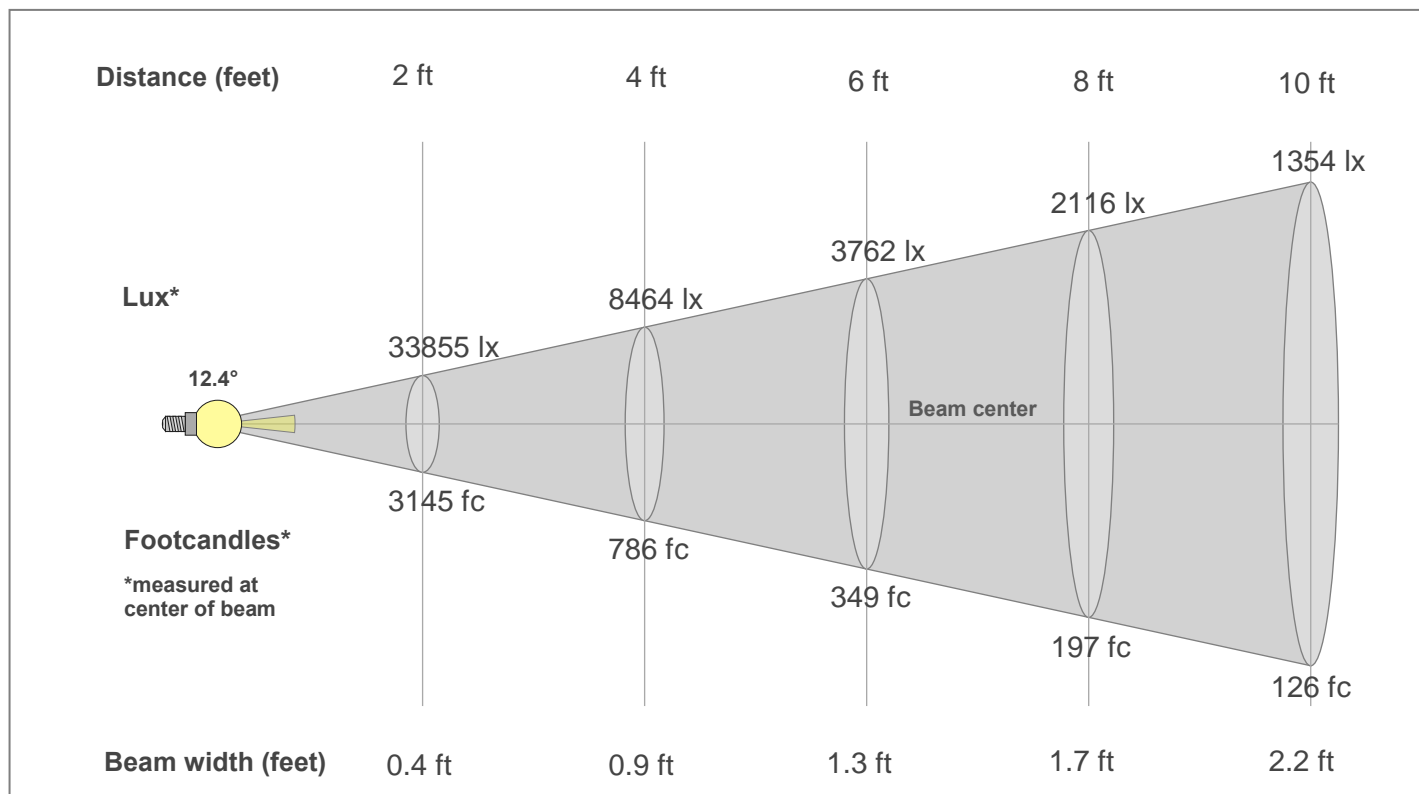
Rg 102.9

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	1%	0%
2	97	1%	-1%
3	96	1%	0%
4	98	-1%	-1%
5	95	-2%	1%
6	96	2%	2%
7	95	1%	2%
8	96	2%	0%
9	96	2%	1%
10	97	1%	1%
11	95	3%	3%
12	94	4%	0%
13	96	2%	-3%
14	94	3%	-3%
15	94	1%	-1%
16	92	3%	-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
12581lx	3145lx	1398lx	786lx	503lx	349lx	257lx	197lx	155lx	126lx	104lx	87lx	74lx	64lx	56lx	49lx	44lx	39lx	35lx	31lx
1168.8fc	292.2fc	129.9fc	73.1fc	46.8fc	32.5fc	23.9fc	18.3fc	14.4fc	11.7fc	9.7fc	8.1fc	6.9fc	6fc	5.2fc	4.6fc	4fc	3.6fc	3.2fc	2.9fc

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°
12.6K	12.5K	12.0K	11.1K	9.7K	8.1K	6.6K	5.2K	4.0K	3.1K	2.4K	1.8K	1.5K	1.2K	0.9K	0.7K	0.6K	0.5K	0.4K	0.3K
100%	99%	96%	88%	77%	65%	52%	41%	32%	24%	19%	15%	12%	9%	7%	6%	5%	4%	3%	3%

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°
12.6K	12.5K	12.1K	11.1K	9.7K	8.2K	6.6K	5.2K	4.0K	3.1K	2.4K	1.9K	1.5K	1.2K	0.9K	0.8K	0.6K	0.5K	0.4K	0.3K
100%	99%	96%	88%	77%	65%	53%	41%	32%	24%	19%	15%	12%	9%	8%	6%	5%	4%	3%	3%

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°
12.6K	12.5K	12.0K	11.1K	9.7K	8.1K	6.6K	5.2K	4.0K	3.1K	2.4K	1.8K	1.5K	1.2K	0.9K	0.7K	0.6K	0.5K	0.4K	0.3K
100%	99%	96%	88%	77%	65%	52%	41%	32%	24%	19%	15%	12%	9%	7%	6%	5%	4%	3%	3%

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°
12.6K	12.5K	12.1K	11.1K	9.7K	8.2K	6.6K	5.2K	4.0K	3.1K	2.4K	1.9K	1.5K	1.2K	0.9K	0.8K	0.6K	0.5K	0.4K	0.3K
100%	99%	96%	88%	77%	65%	53%	41%	32%	24%	19%	15%	12%	9%	8%	6%	5%	4%	3%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
12.4°	25.4°	38.6°	99.3%	99.2%