

Photometric / Colorimetric / Electric Report

Fixture Model:

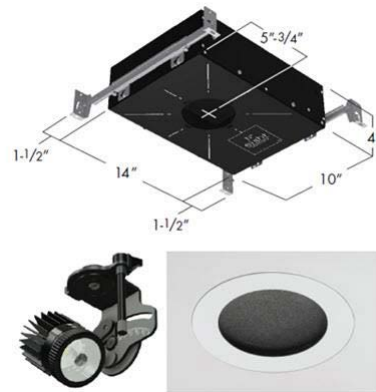
804S-J2S-HI-3-30-25-PR1-8-350-FR-LG-P-1-WH-NL

Trim Model:

FR-P-1-WH-LG/NL

Date:

12/12/2023



Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

3006 K

CIE 1931:

**x: 0.434
y: 0.399**

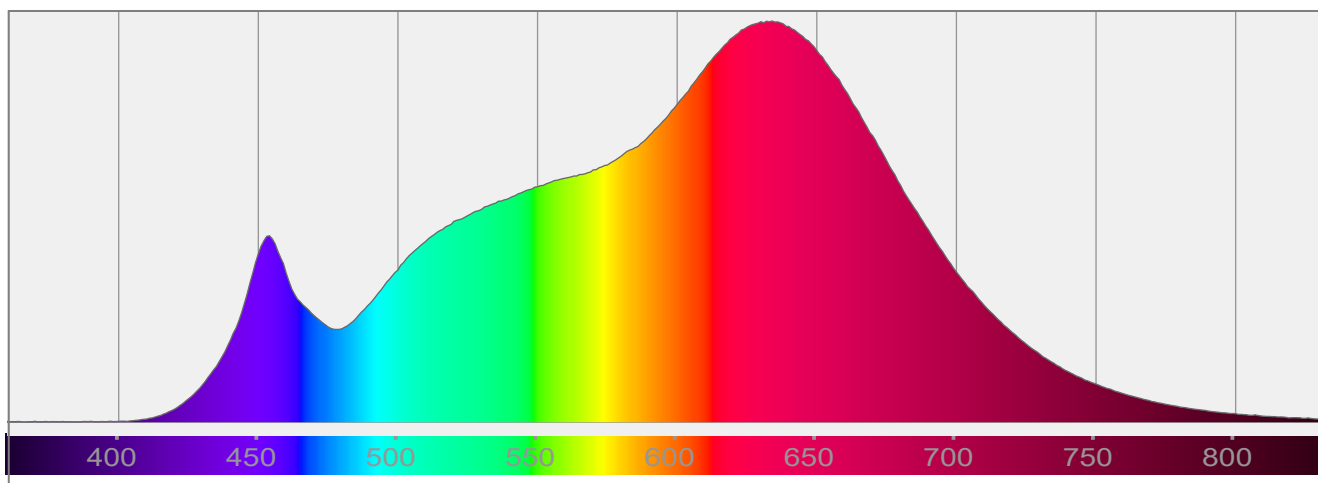
Output: 824 lm

Peak: 3723 cd

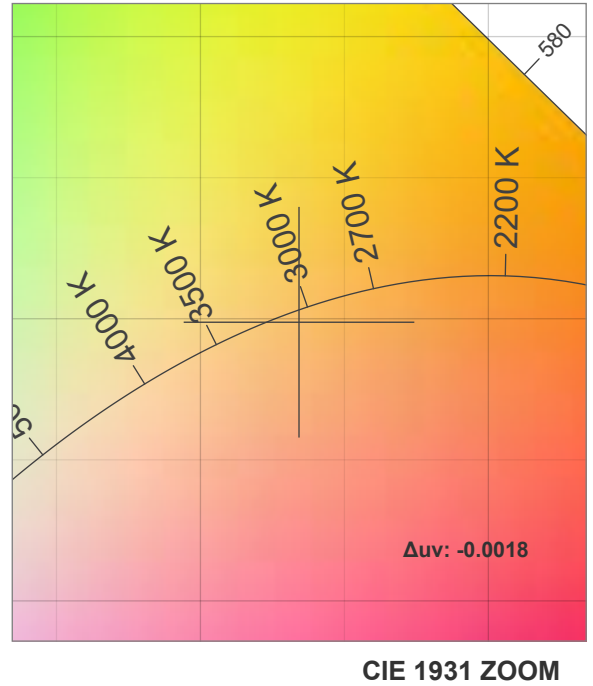
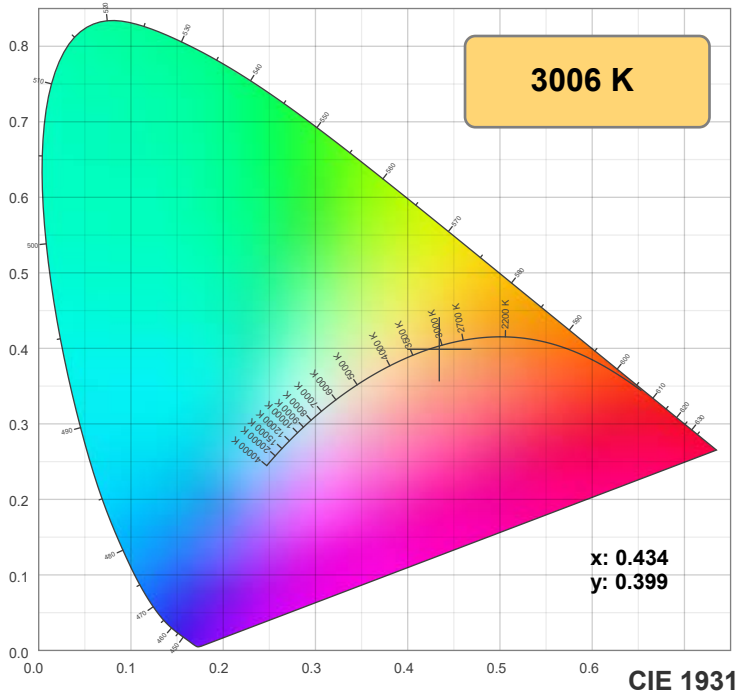
Power: 14.7 W

PF: 0.99

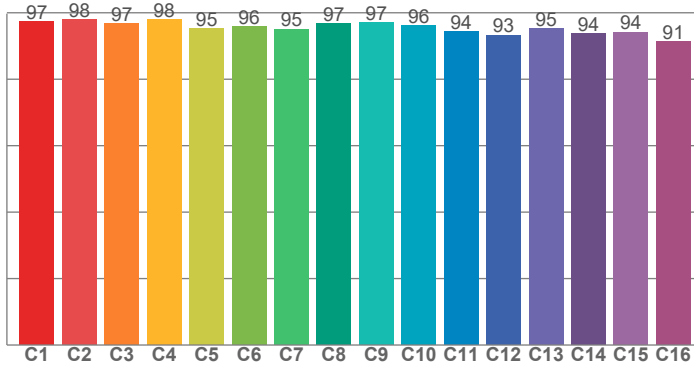
Spectra:



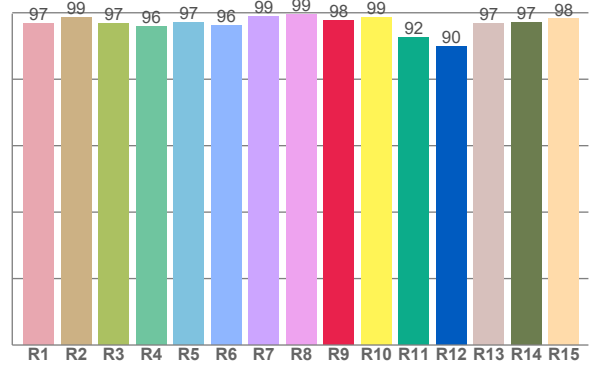
Color Details



TM-30: 95.8



CRI: 97.4 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.7	98.6	96.8	95.8	97.0	96.2	98.8	99.4	97.6	98.7	92.4	90.0	96.8	97.1	98.1

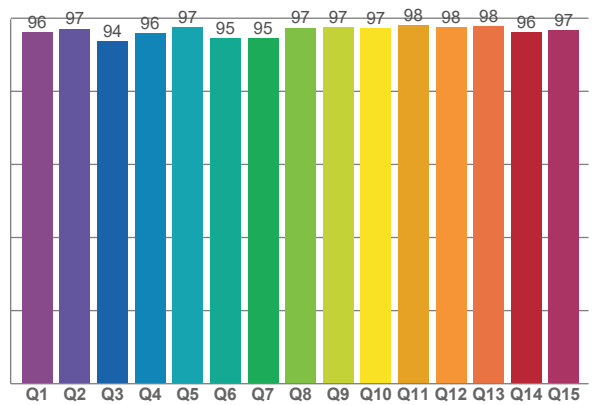
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	98.0	96.8	97.9	95.3	95.9	95.1	96.7	97.1	96.1	94.3	93.3	95.2	93.7	94.2	91.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.1	97.1	93.6	96.0	97.5	94.6	94.6	97.4	97.4	97.2	98.1	97.6	97.8	96.1	96.6

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3006 K	97.4	97.6	95.8	102.3	96.1	0.434	0.399	0.251	0.346	-0.0018

TM-30 Details

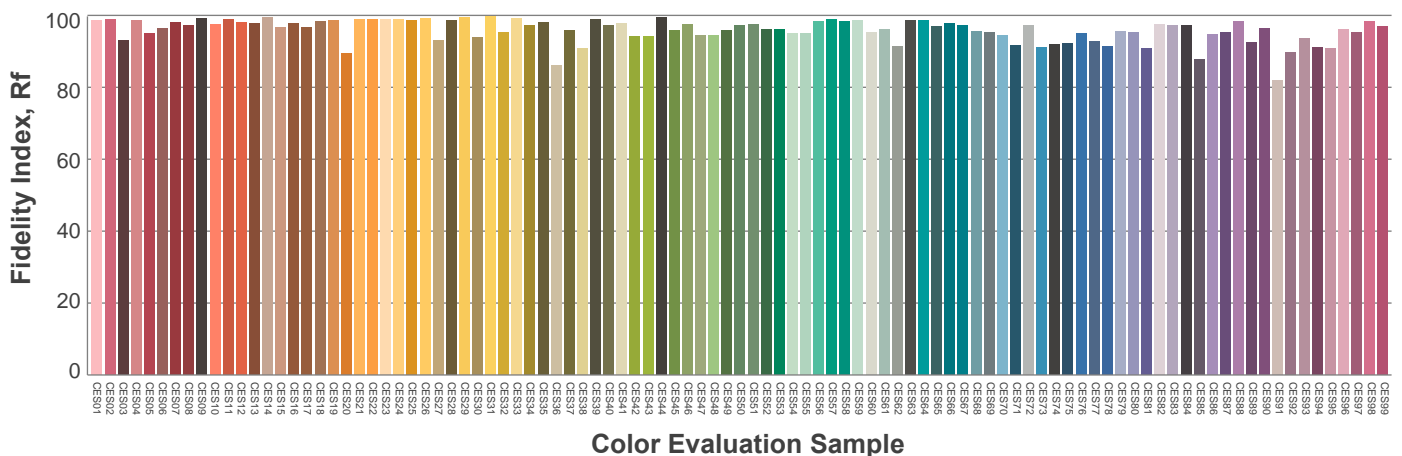
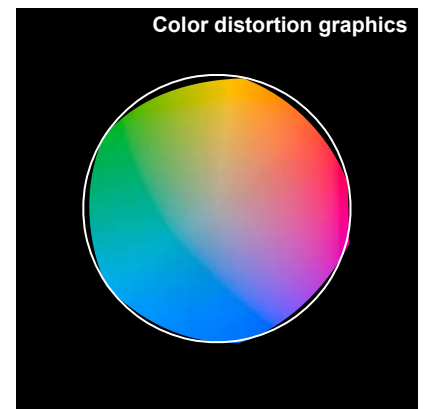
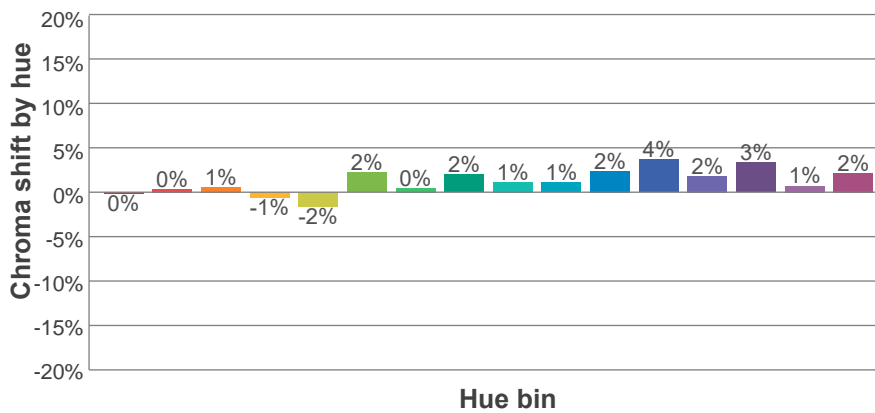
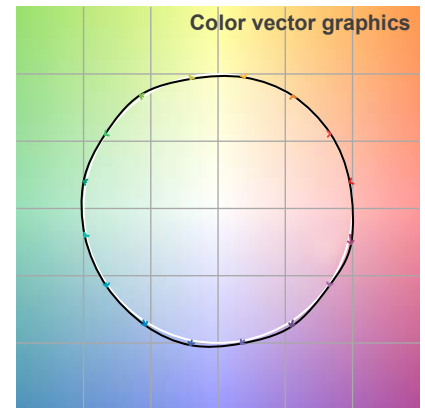
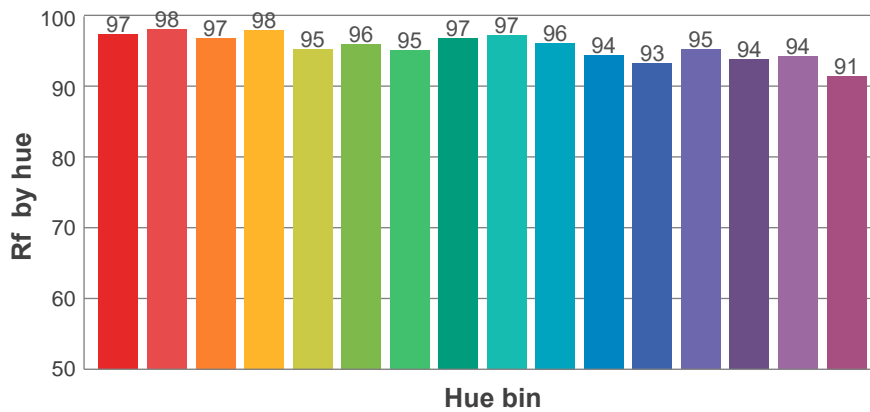
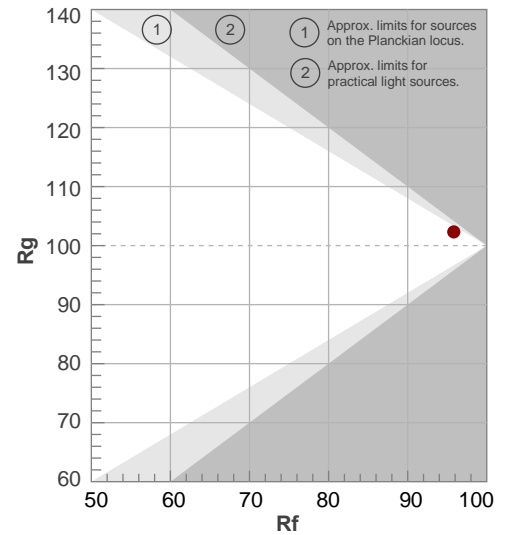
Rf 95.8

Fidelity index Rf

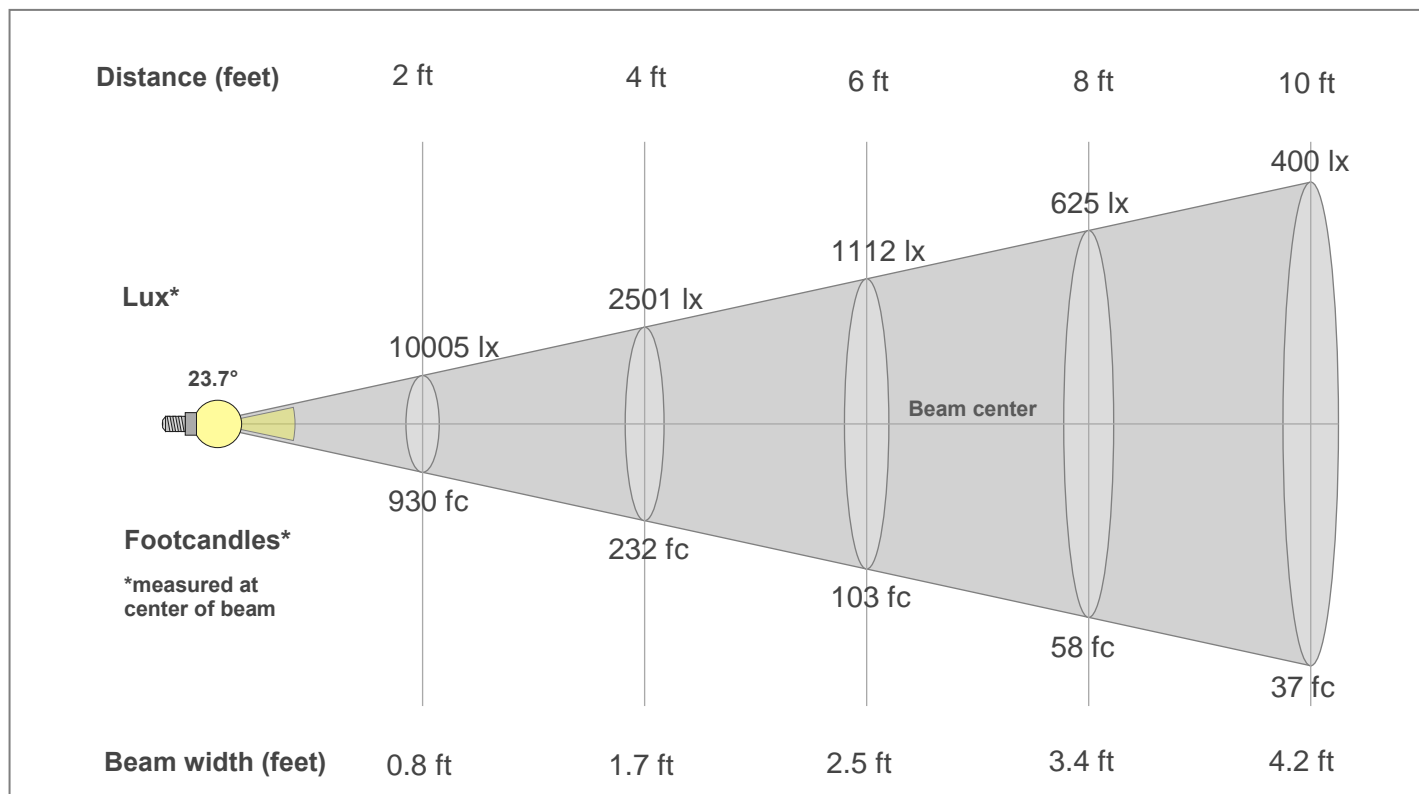
Rg 102.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	98	0%	0%
3	97	1%	1%
4	98	-1%	0%
5	95	-2%	1%
6	96	2%	1%
7	95	0%	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
3718lx	930lx	413lx	232lx	149lx	103lx	76lx	58lx	46lx	37lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	11lx	10lx	9lx
345.4fc	86.4fc	38.4fc	21.6fc	13.8fc	9.6fc	7fc	5.4fc	4.3fc	3.5fc	2.9fc	2.4fc	2fc	1.8fc	1.5fc	1.3fc	1.2fc	1.1fc	1fc	0.9fc

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3718	3648	3432	3101	2702	2271	1845	1459	1123	839	611	438	316	236	180	140	110	85	64	45
100%	98%	92%	83%	73%	61%	50%	39%	30%	23%	16%	12%	9%	6%	5%	4%	3%	2%	2%	1%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3718	3633	3412	3077	2672	2242	1819	1431	1097	819	599	430	313	235	181	141	109	84	63	46
100%	98%	92%	83%	72%	60%	49%	38%	30%	22%	16%	12%	8%	6%	5%	4%	3%	2%	2%	1%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3718	3648	3432	3101	2702	2271	1845	1459	1123	839	611	438	316	236	180	140	110	85	64	45
100%	98%	92%	83%	73%	61%	50%	39%	30%	23%	16%	12%	9%	6%	5%	4%	3%	2%	2%	1%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3718	3633	3412	3077	2672	2242	1819	1431	1097	819	599	430	313	235	181	141	109	84	63	46
100%	98%	92%	83%	72%	60%	49%	38%	30%	22%	16%	12%	8%	6%	5%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.7°	45.9°	66.5°	99.6%	99.2%