

Photometric / Colorimetric / Electric Report

Fixture Model:

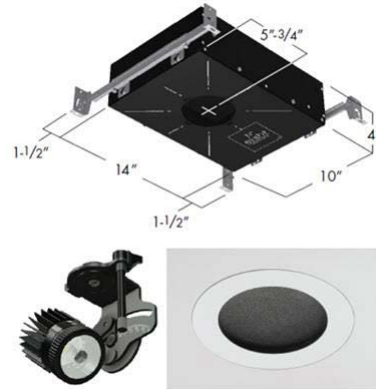
804S-J2S-HI-3-30-40-PR1-8-350-FR-LG-P-1-WH-NL

Trim Model:

FR-P-1-WH-LG/NL

Date:

12/12/2023



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 97.5

Color temperature:

3010 K

CIE 1931:

**x: 0.434
y: 0.399**

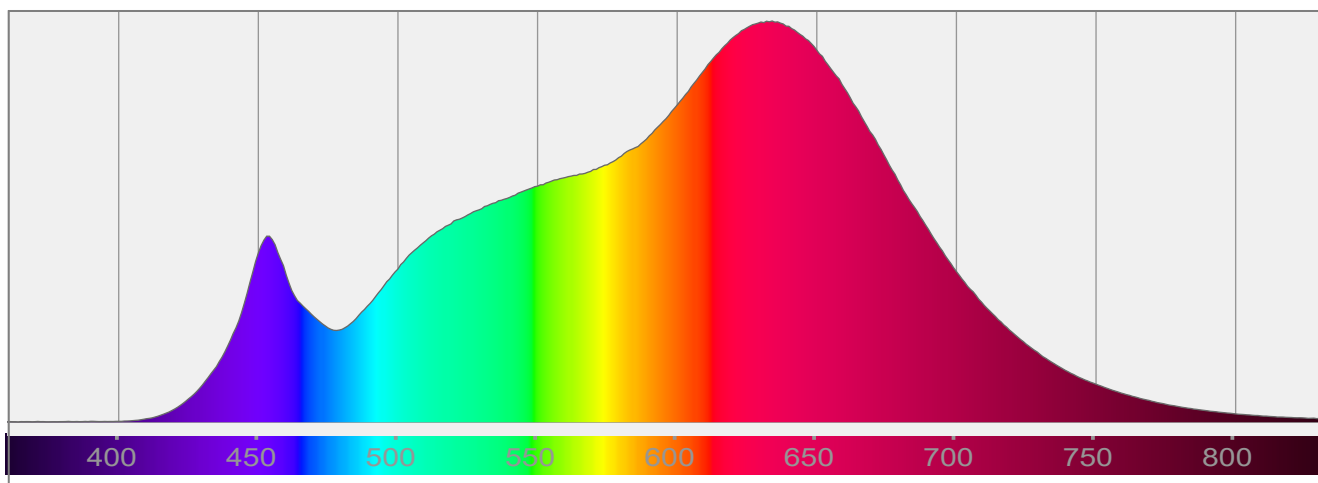
Output: 898 lm

Peak: 2211 cd

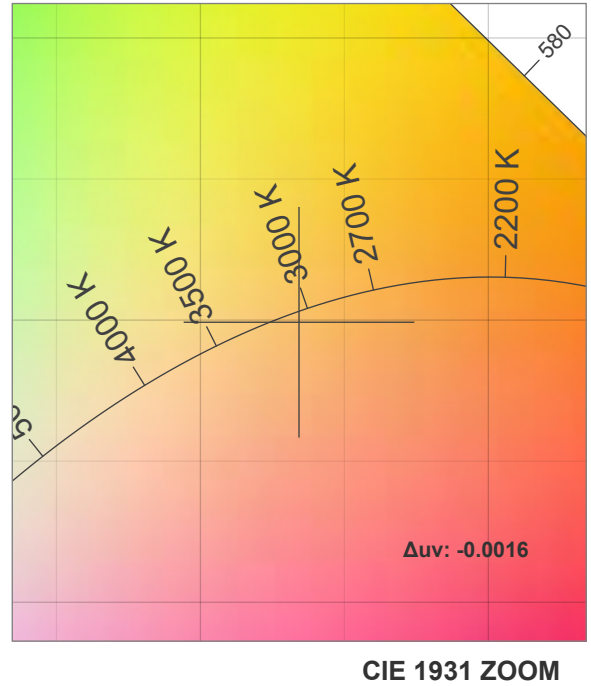
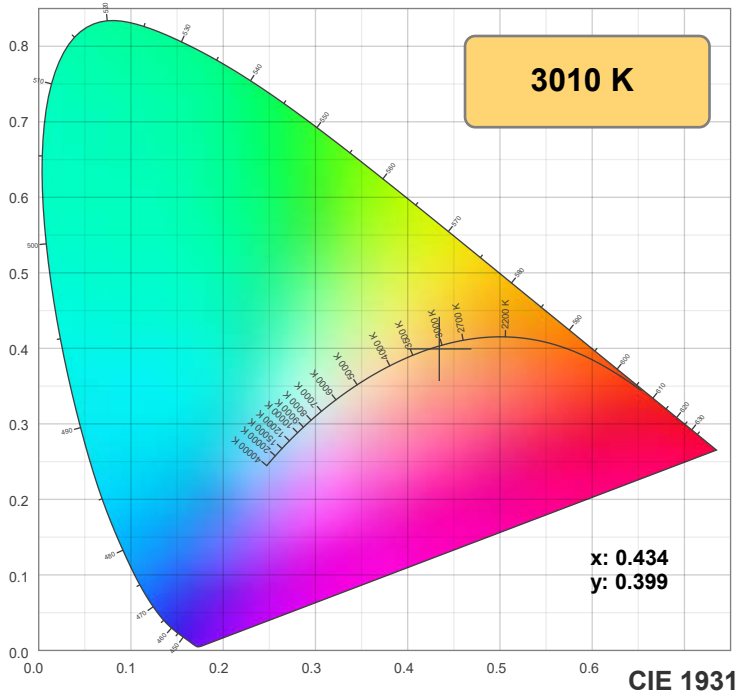
Power: 14.6 W

PF: 0.99

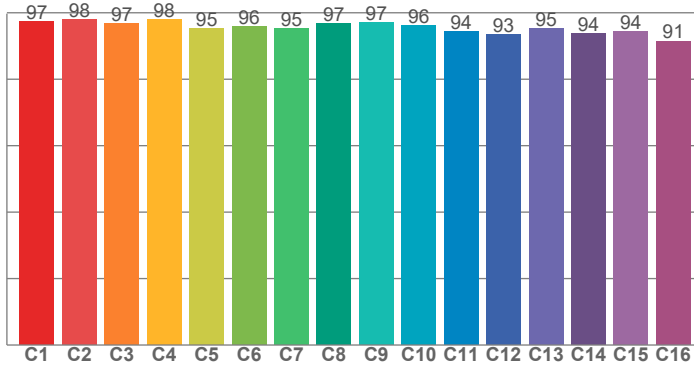
Spectra:



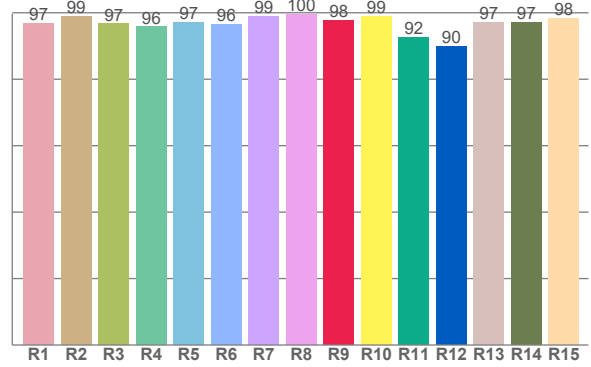
Color Details



TM-30: 95.9



CRI: 97.5 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	98.8	96.6	95.7	97.2	96.5	98.9	99.6	97.8	99.0	92.5	90.0	97.0	97.0	98.2

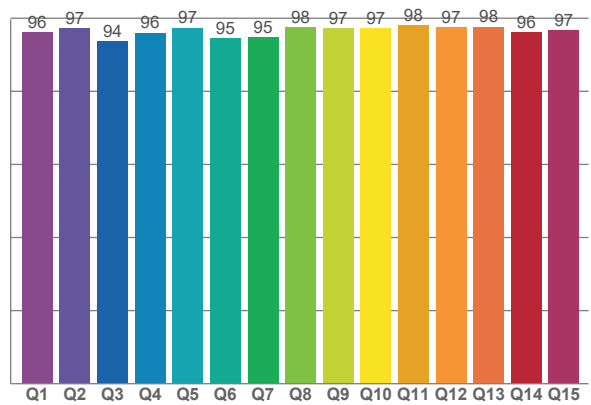
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	98.0	96.8	98.0	95.3	96.0	95.1	96.8	97.2	96.1	94.3	93.3	95.3	93.8	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	97.4	94.6	94.7	97.5	97.4	97.3	98.1	97.5	97.7	96.2	96.7

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3010 K	97.5	97.8	95.9	102.3	96.1	0.434	0.399	0.251	0.346	-0.0016

TM-30 Details

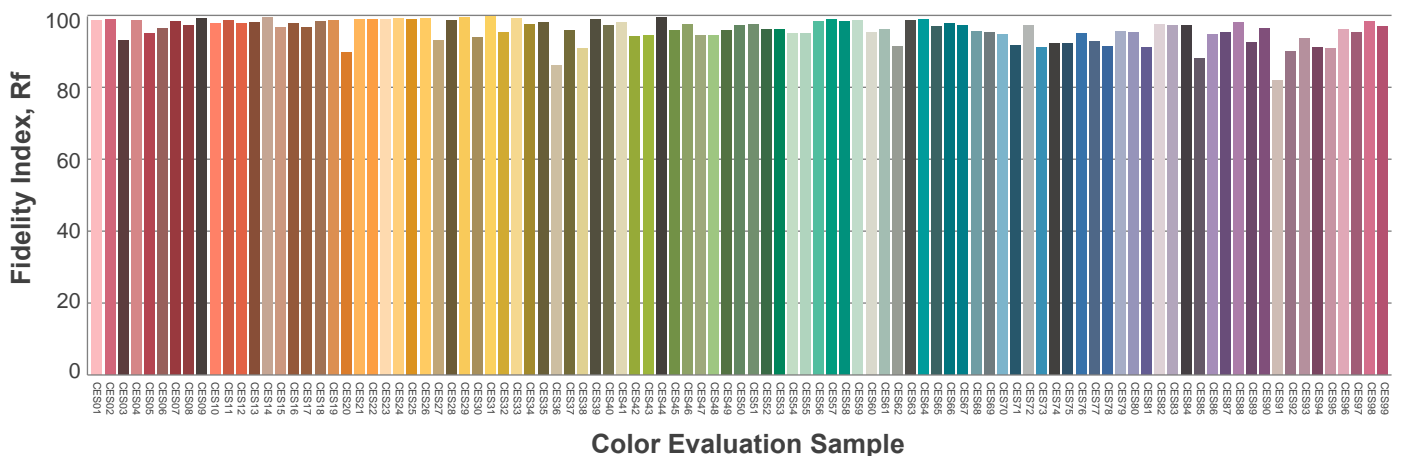
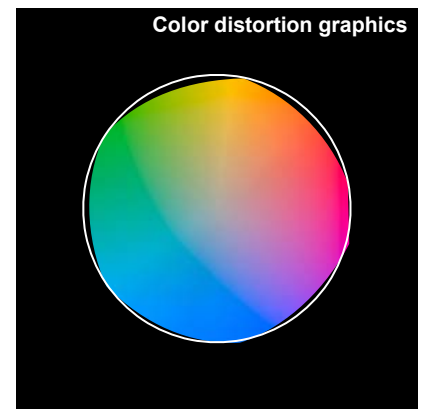
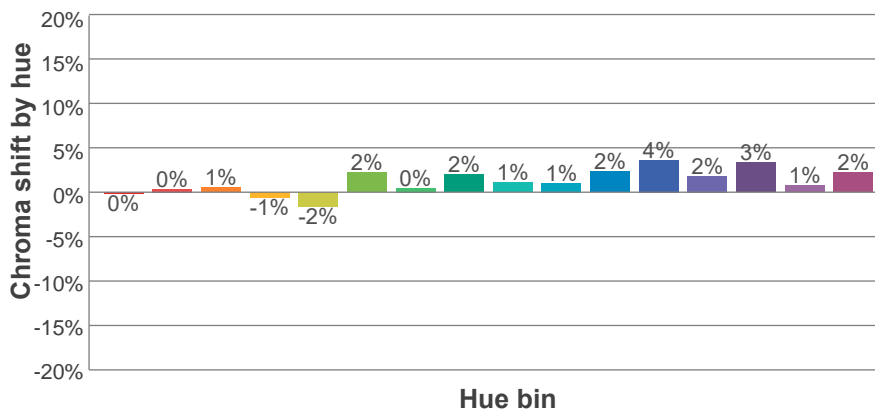
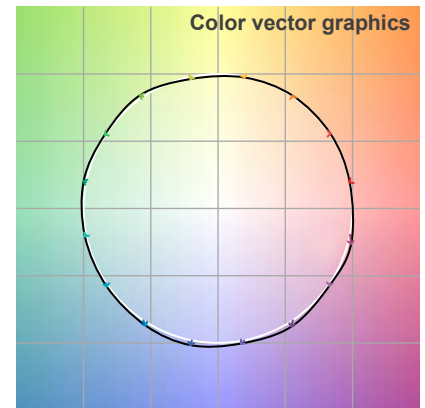
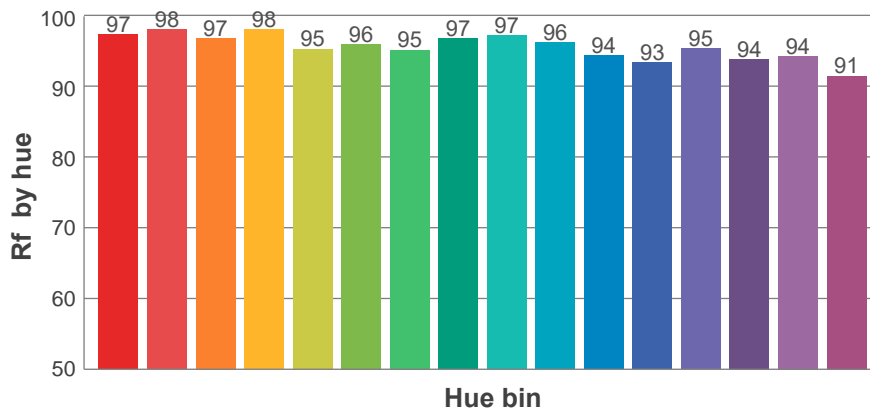
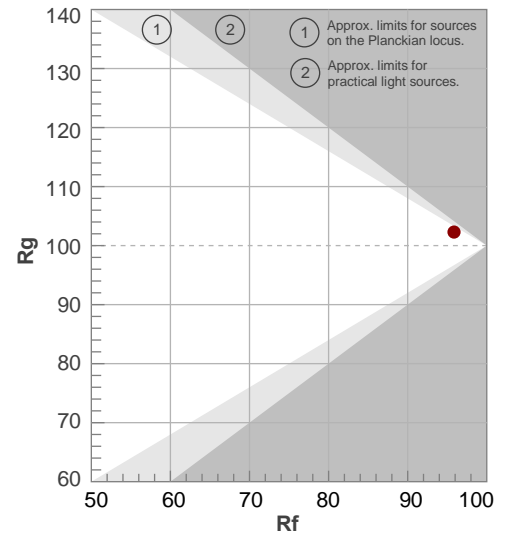
Rf 95.9

Fidelity index Rf

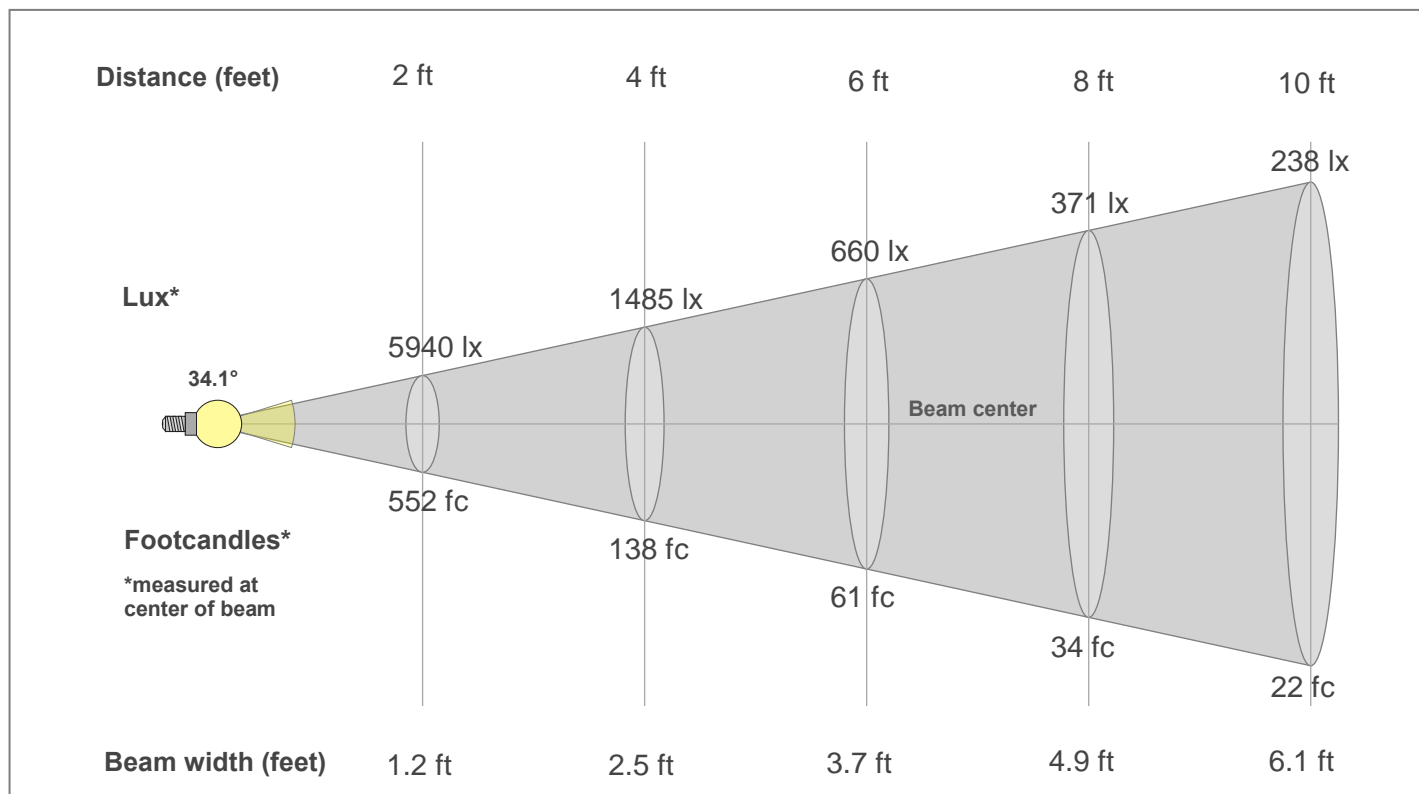
Rg 102.3

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
2208lx	552lx	245lx	138lx	88lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
205.1fc	51.3fc	22.8fc	12.8fc	8.2fc	5.7fc	4.2fc	3.2fc	2.5fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc	0.5fc

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°
2208	2189	2121	2020	1890	1735	1565	1387	1203	1016	839	682	552	448	361	284	219	165	122	90
100%	99%	96%	92%	86%	79%	71%	63%	54%	46%	38%	31%	25%	20%	16%	13%	10%	7%	6%	4%

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°
2208	2184	2119	2017	1887	1734	1565	1387	1204	1019	841	685	555	449	361	284	217	164	122	91
100%	99%	96%	91%	86%	79%	71%	63%	55%	46%	38%	31%	25%	20%	16%	13%	10%	7%	6%	4%

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°
2208	2189	2121	2020	1890	1735	1565	1387	1203	1016	839	682	552	448	361	284	219	165	122	90
100%	99%	96%	92%	86%	79%	71%	63%	54%	46%	38%	31%	25%	20%	16%	13%	10%	7%	6%	4%

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°
2208	2184	2119	2017	1887	1734	1565	1387	1204	1019	841	685	555	449	361	284	217	164	122	91
100%	99%	96%	91%	86%	79%	71%	63%	55%	46%	38%	31%	25%	20%	16%	13%	10%	7%	6%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
34.1°	63.8°	82.4°	99.6%	98.2%