

Photometric / Colorimetric / Electric Report

Fixture Model:

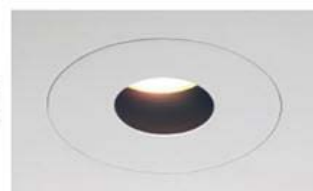
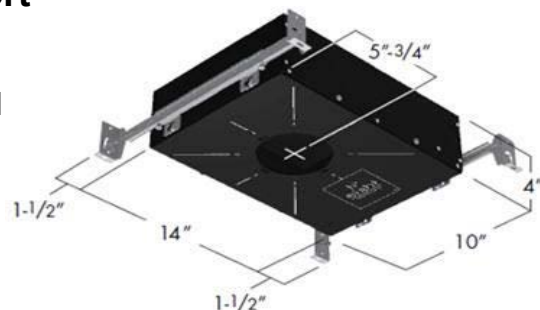
804S-J2S-HI-3-30-25-PR1-8-1000-HI-3-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

12/11/2023



Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 97.4

Color temperature:

3010 K

CIE 1931:

x: 0.434
y: 0.399

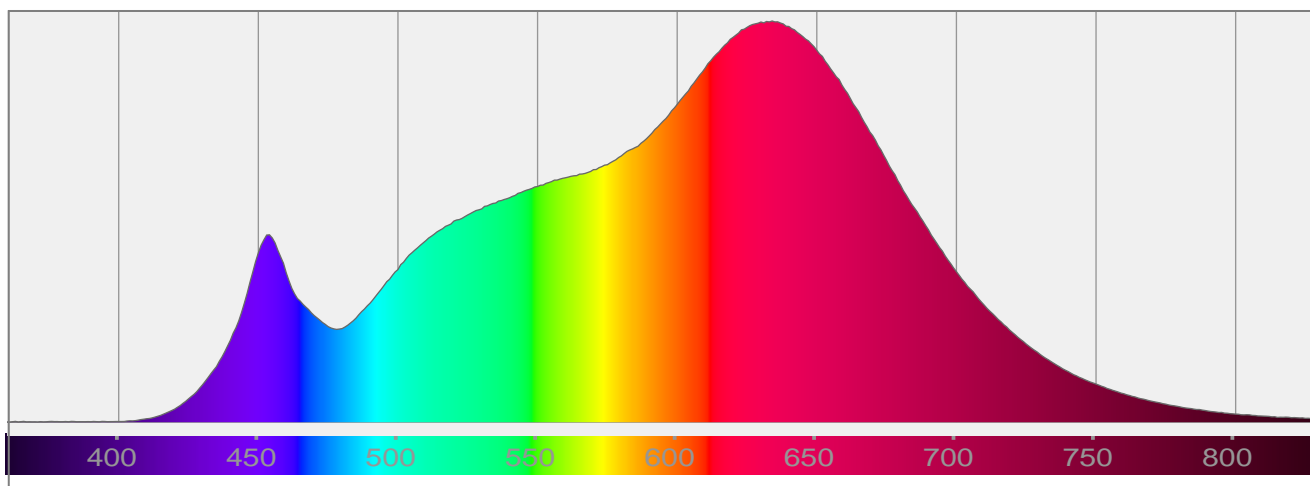
Output: 695 lm

Peak: 3688 cd

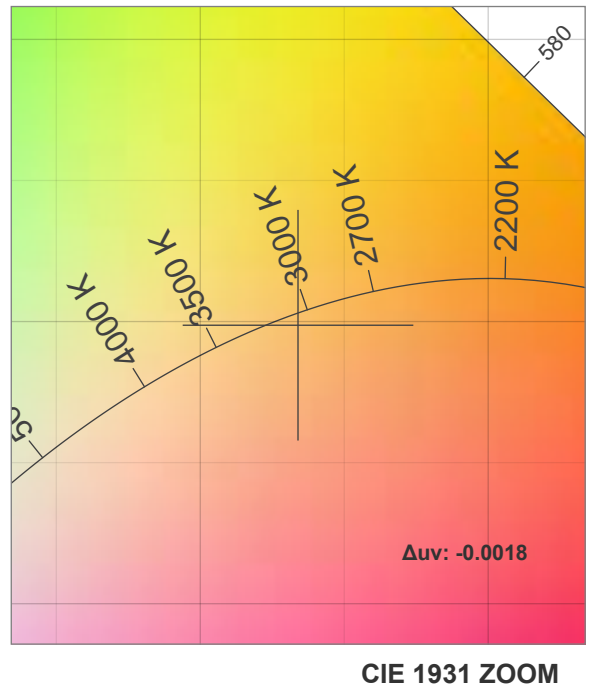
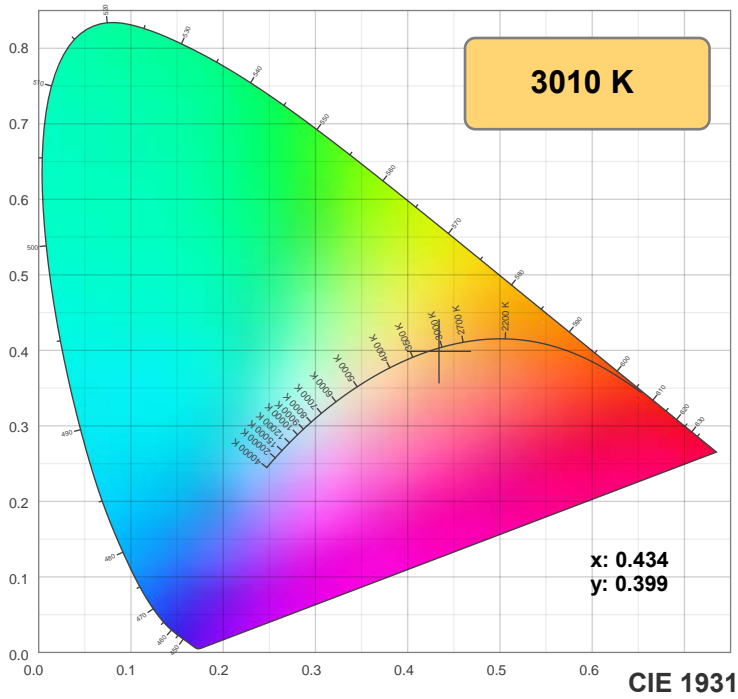
Power: 14.5 W

PF: 0.99

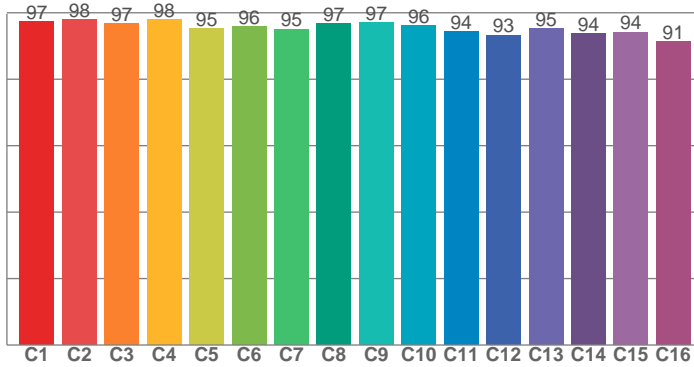
Spectra:



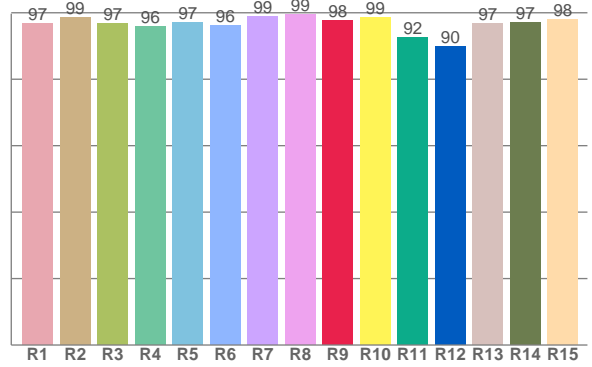
Color Details



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	99.5	97.7	98.7	92.4	89.9	96.8	97.1	98.1

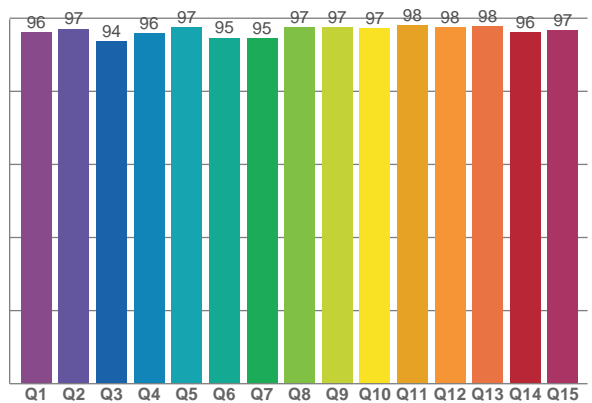
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	98.0	96.8	97.9	95.2	95.9	95.1	96.8	97.1	96.1	94.3	93.3	95.2	93.8	94.2	91.4

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	97.3	98.1	97.6	97.8	96.1	96.7

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3010 K	97.4	97.7	95.8	102.3	96.1	0.434	0.399	0.251	0.346	-0.0018

TM-30 Details

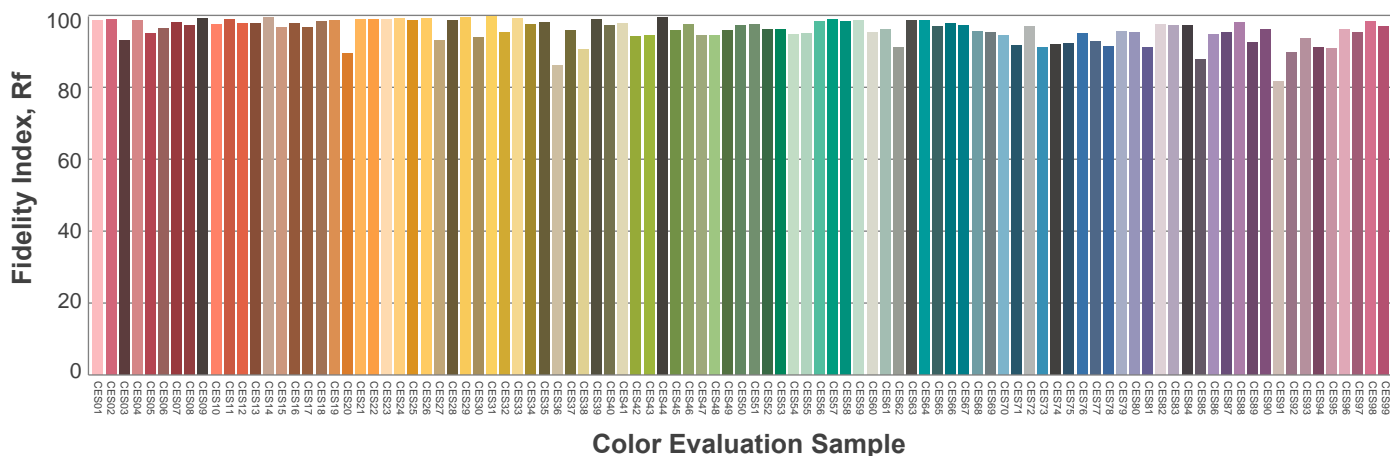
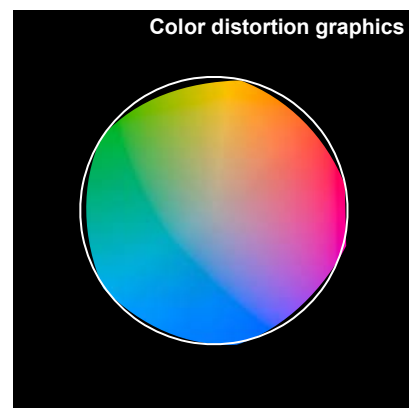
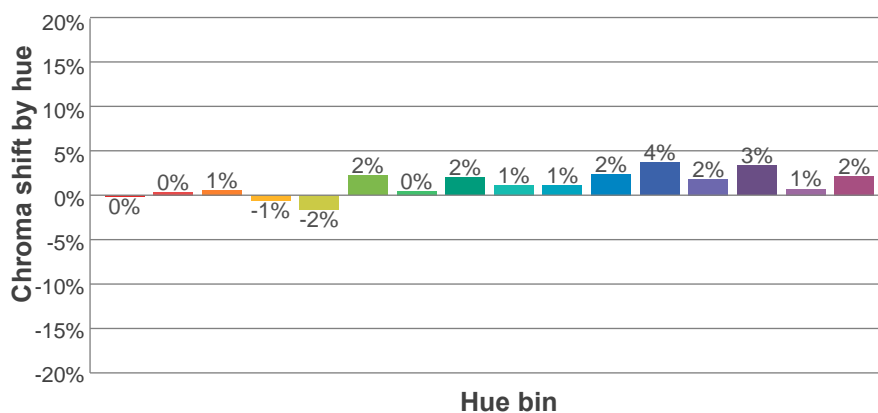
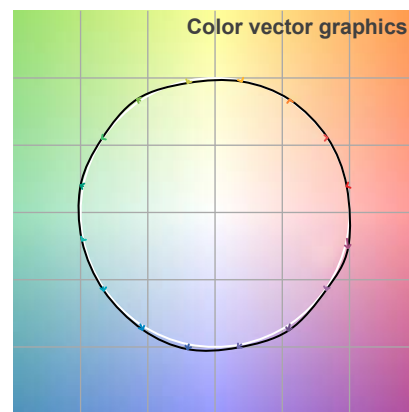
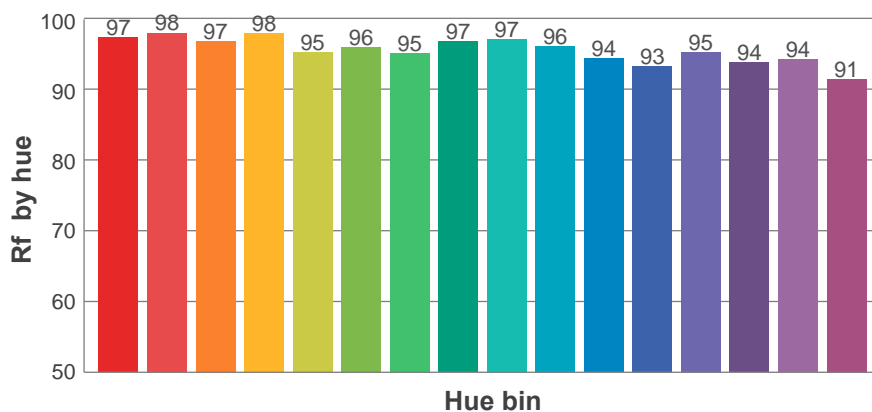
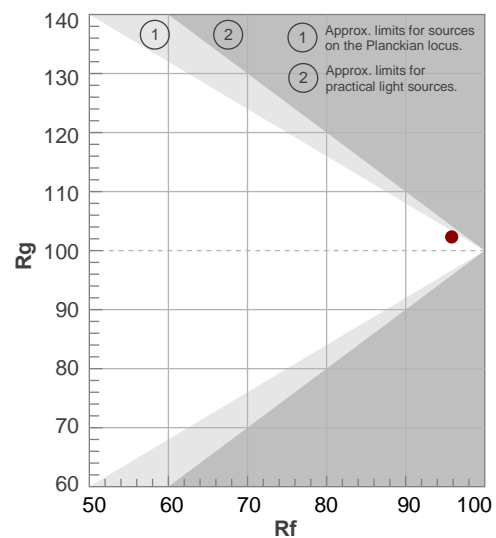
Rf 95.8

Fidelity index Rf

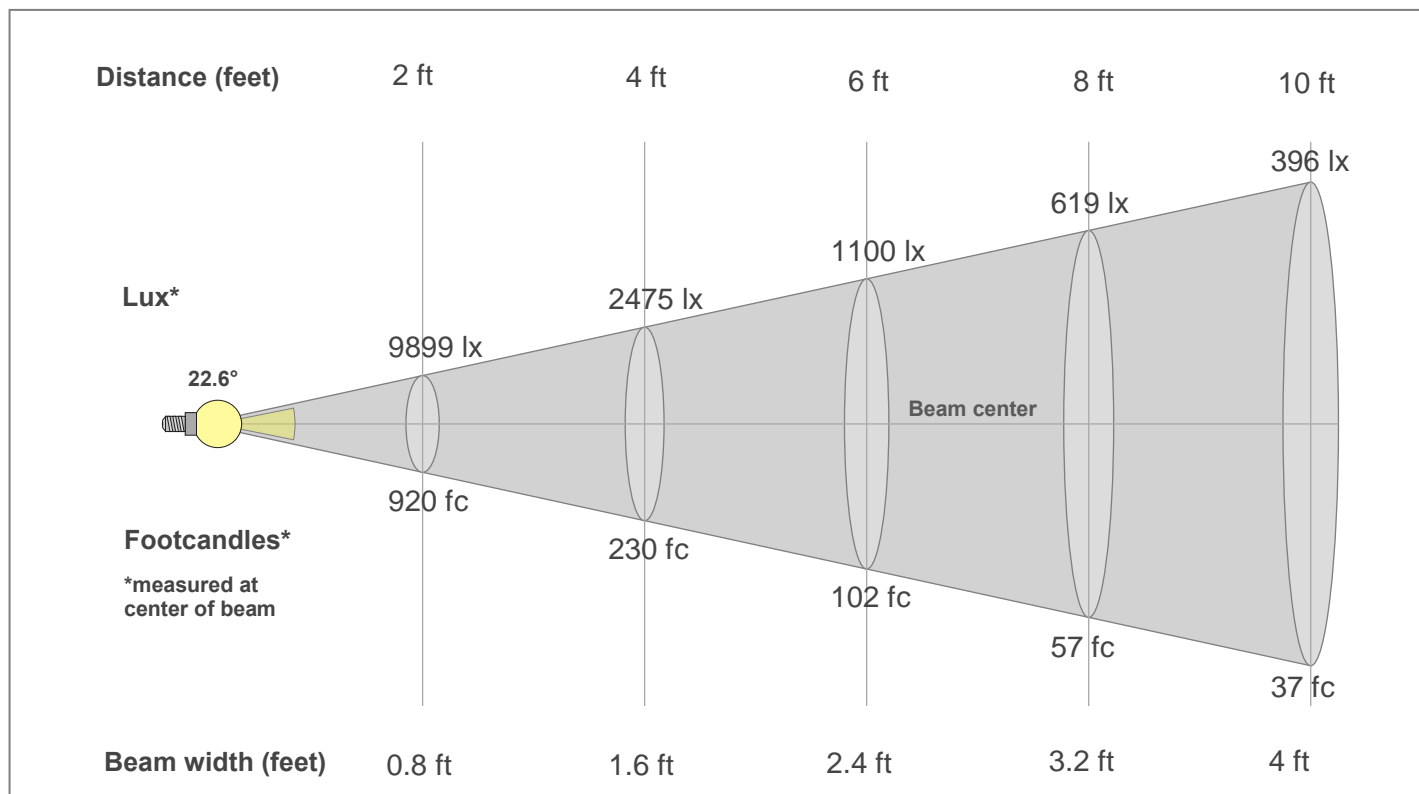
Rg 102.3

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
3679lx	920lx	409lx	230lx	147lx	102lx	75lx	57lx	45lx	37lx	30lx	26lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
341.8fc	85.4fc	38fc	21.4fc	13.7fc	9.5fc	7fc	5.3fc	4.2fc	3.4fc	2.8fc	2.4fc	2fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	0.9fc	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°
3679	3606	3376	3024	2604	2149	1705	1315	990	729	515	347	230	146	87	49	29	18	13	9
100%	98%	92%	82%	71%	58%	46%	36%	27%	20%	14%	9%	6%	4%	2%	1%	1%	1%	0%	0%

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°
3679	3599	3358	2995	2567	2112	1675	1286	971	715	506	341	229	150	91	52	29	19	13	9
100%	98%	91%	81%	70%	57%	46%	35%	26%	19%	14%	9%	6%	4%	2%	1%	1%	1%	0%	0%

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°
3679	3606	3376	3024	2604	2149	1705	1315	990	729	515	347	230	146	87	49	29	18	13	9
100%	98%	92%	82%	71%	58%	46%	36%	27%	20%	14%	9%	6%	4%	2%	1%	1%	1%	0%	0%

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°
3679	3599	3358	2995	2567	2112	1675	1286	971	715	506	341	229	150	91	52	29	19	13	9
100%	98%	91%	81%	70%	57%	46%	35%	26%	19%	14%	9%	6%	4%	2%	1%	1%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.6°	43.3°	55.7°	99.5%	99.4%