

## Photometric / Colorimetric / Electric Report

Fixture Model:

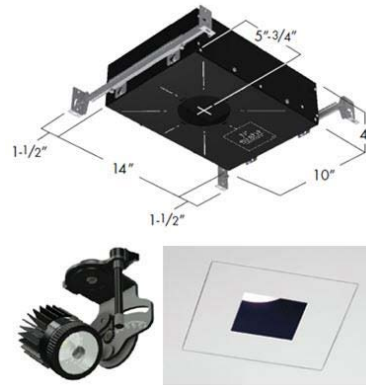
**804S-J2S-HI-3-30-40-PR1-8-350-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**12/7/2023**



Light efficiency:

**54 Lumen/Watt**

Light quality:

**CRI: 97.5**

Color temperature:

**3007 K**

CIE 1931:

**x: 0.434  
y: 0.399**

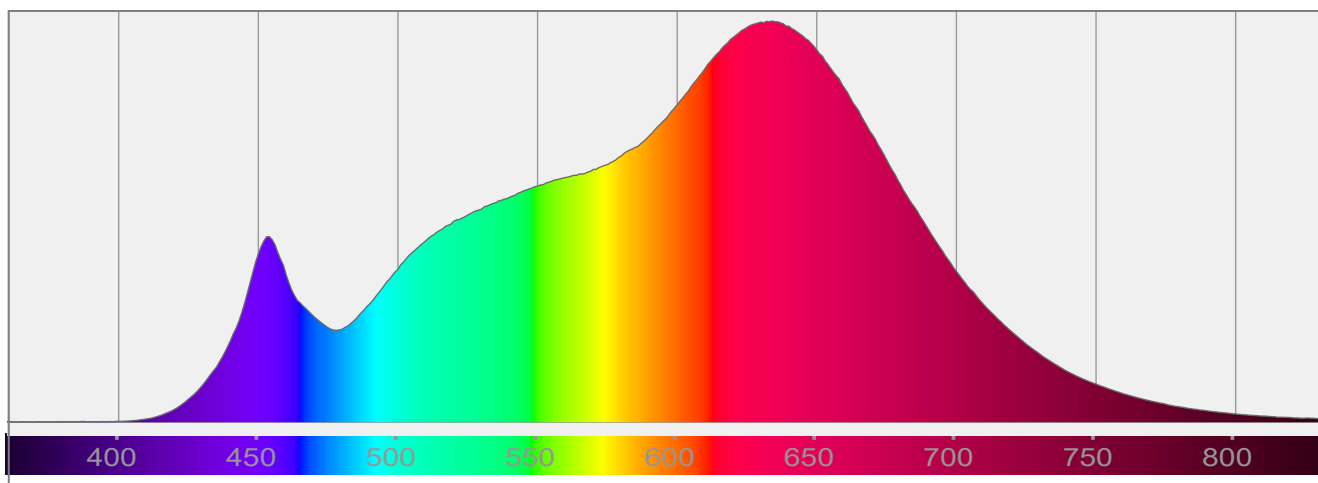
**Output: 787 lm**

**Peak: 2183 cd**

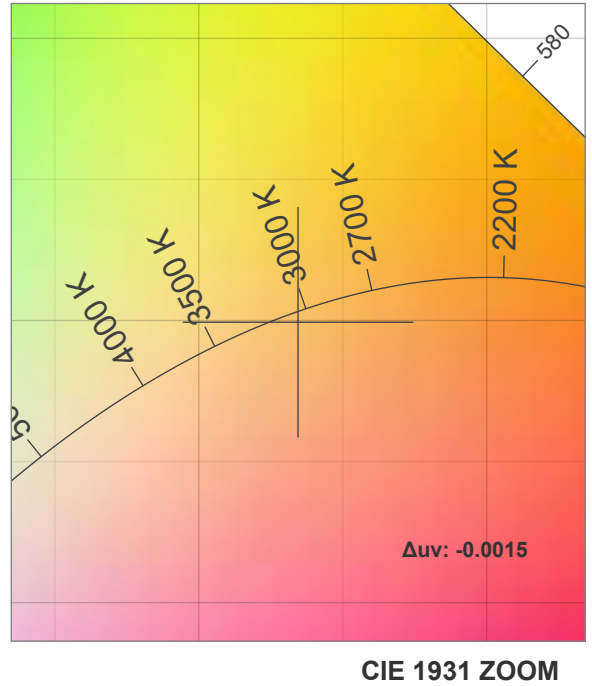
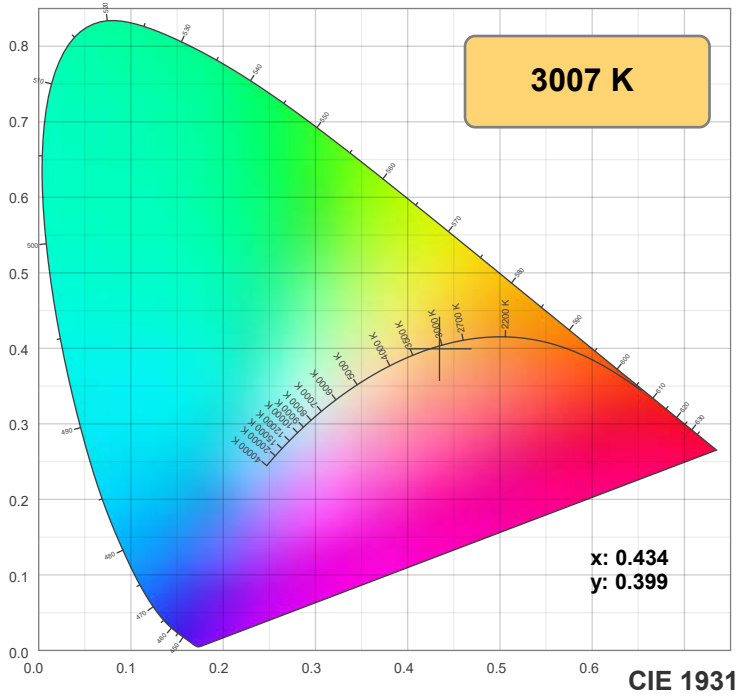
**Power: 14.5 W**

**PF: 0.99**

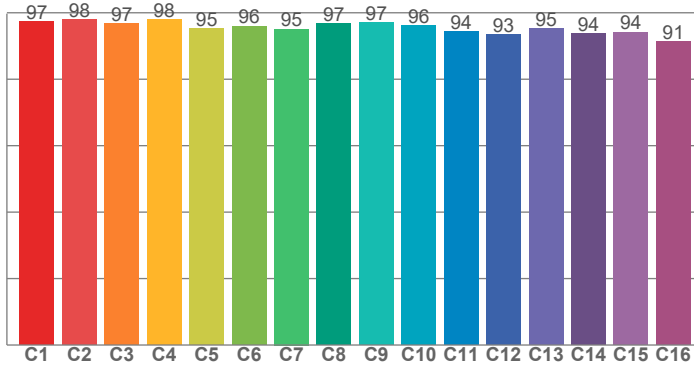
Spectra:



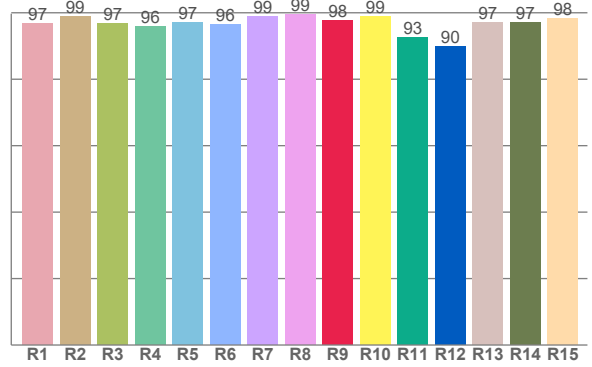
## Color Details



TM-30: 95.8



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	96.7	95.8	97.2	96.4	98.9	99.5	97.6	99.0	92.5	89.9	97.0	97.0	98.2

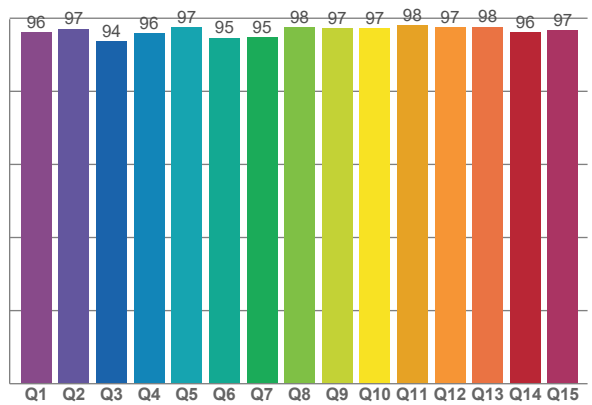
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.3	98.0	96.8	97.9	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	93.7	96.0	97.4	94.7	94.7	97.5	97.4	97.3	98.1	97.4	97.7	96.2	96.7

CQS: 96.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3007 K	97.5	97.6	95.8	102.3	96.1	0.434	0.399	0.251	0.346	-0.0015

## TM-30 Details

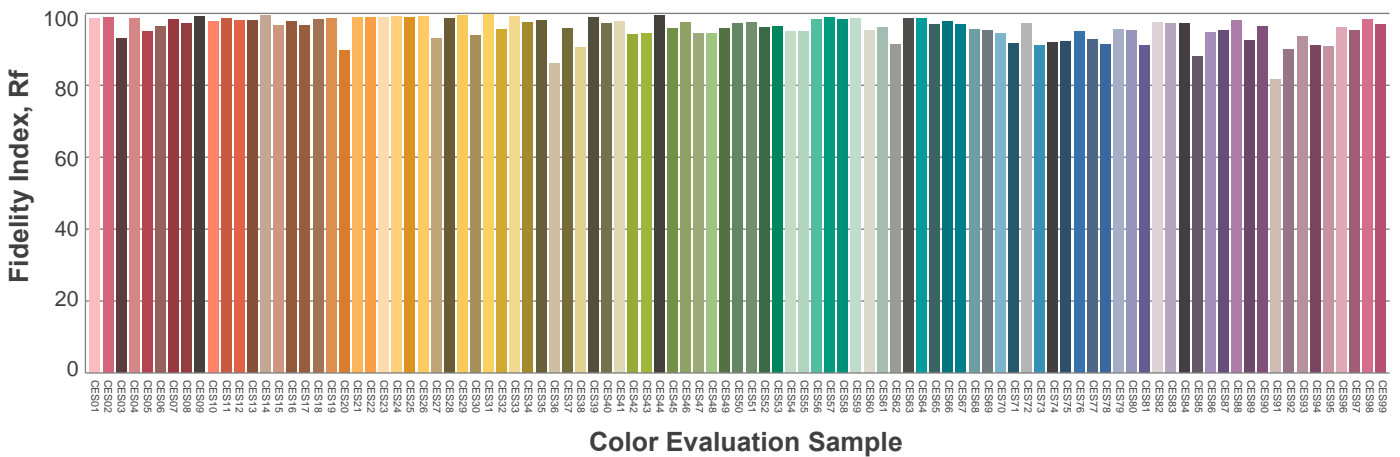
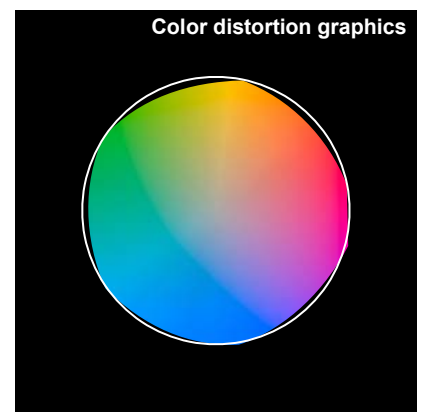
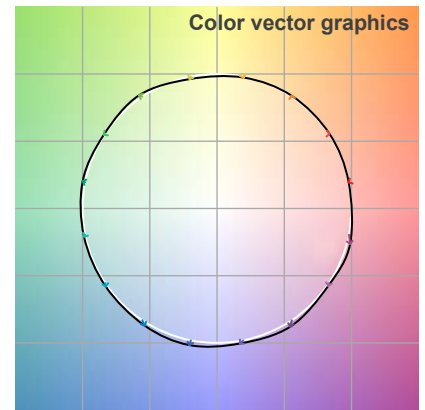
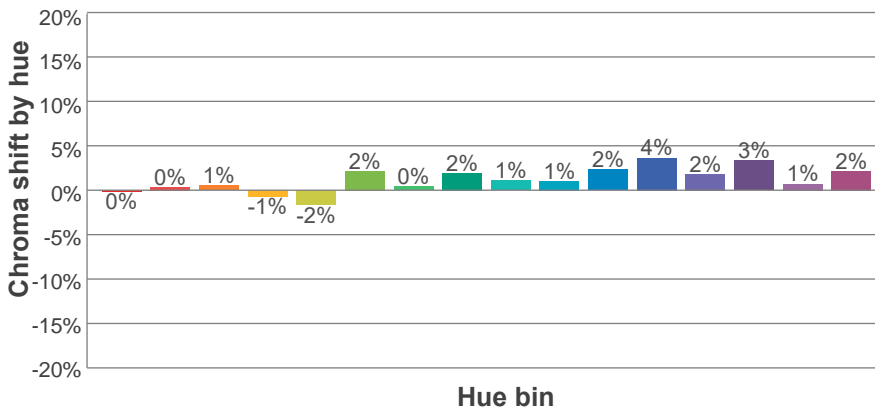
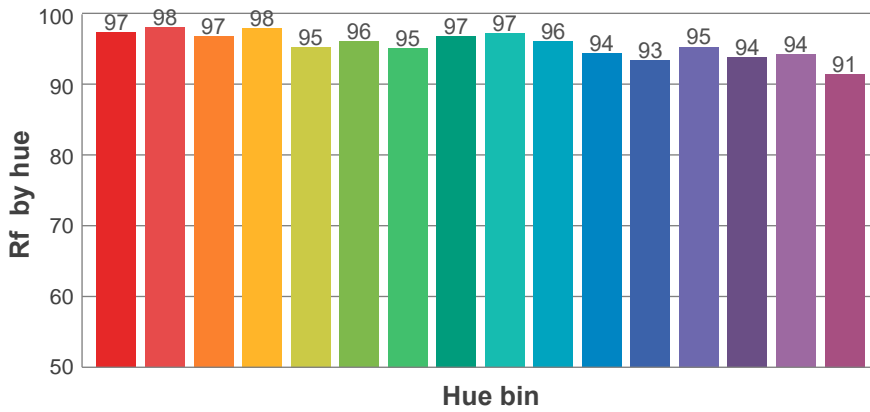
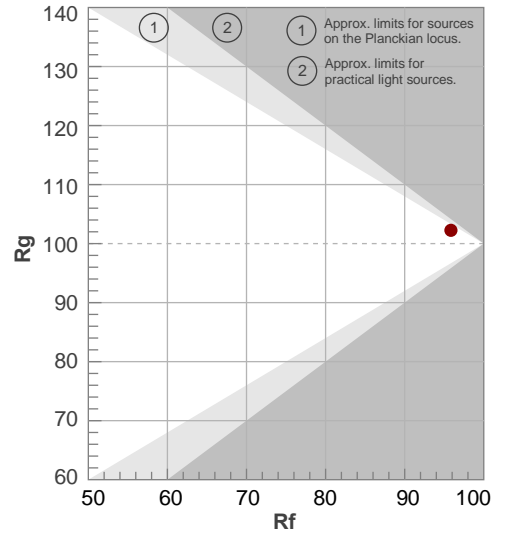
**Rf 95.8**

### Fidelity index $R_f$

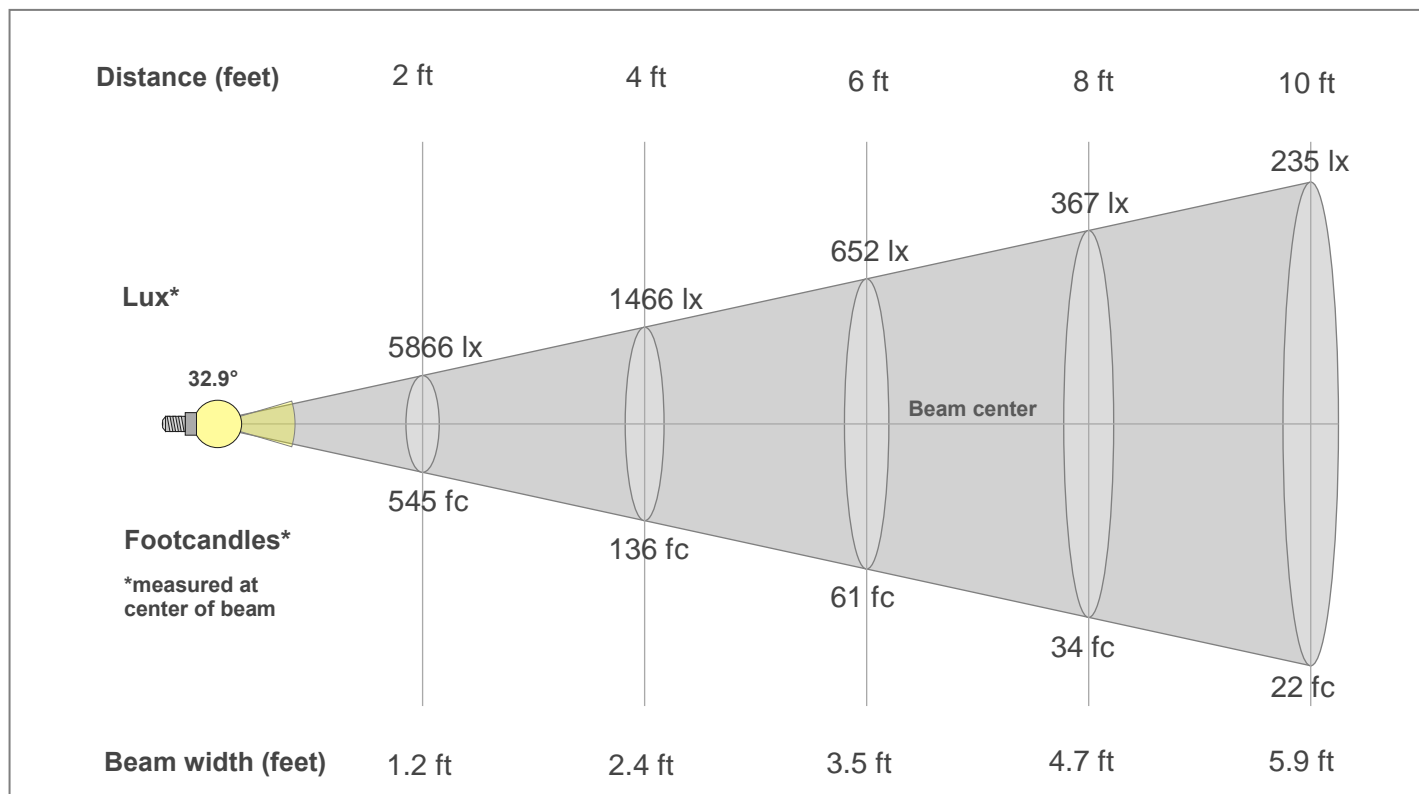
# Rg 102.3

## Gamut index Rg

		Shifts (%)	
Hue Bin	$R_f$	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
2180lx	545lx	242lx	136lx	87lx	61lx	44lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
202.5fc	50.6fc	22.5fc	12.7fc	8.1fc	5.6fc	4.1fc	3.2fc	2.5fc	2fc	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°
2180	2162	2098	1998	1871	1718	1545	1359	1155	948	752	581	447	343	260	197	149	113	86	64
100%	99%	96%	92%	86%	79%	71%	62%	53%	44%	34%	27%	21%	16%	12%	9%	7%	5%	4%	3%

### 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°
2180	2151	2086	1988	1857	1702	1526	1328	1122	921	738	575	441	342	260	195	148	113	85	64
100%	99%	96%	91%	85%	78%	70%	61%	51%	42%	34%	26%	20%	16%	12%	9%	7%	5%	4%	3%

### 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°
2180	2162	2098	1998	1871	1718	1545	1359	1155	948	752	581	447	343	260	197	149	113	86	64
100%	99%	96%	92%	86%	79%	71%	62%	53%	44%	34%	27%	21%	16%	12%	9%	7%	5%	4%	3%

### 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°
2180	2151	2086	1988	1857	1702	1526	1328	1122	921	738	575	441	342	260	195	148	113	85	64
100%	99%	96%	91%	85%	78%	70%	61%	51%	42%	34%	26%	20%	16%	12%	9%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
32.9°	58.5°	78°	99.7%	99.2%