

## Photometric / Colorimetric / Electric Report

Fixture Model:

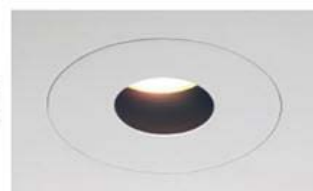
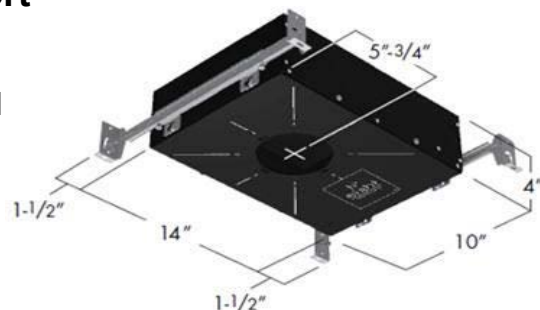
804S-J2S-HI-3-30-40-PR1-8-1000-HI-3-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

12/12/2023



Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 97.5

Color temperature:

3013 K

CIE 1931:

x: 0.434  
y: 0.399

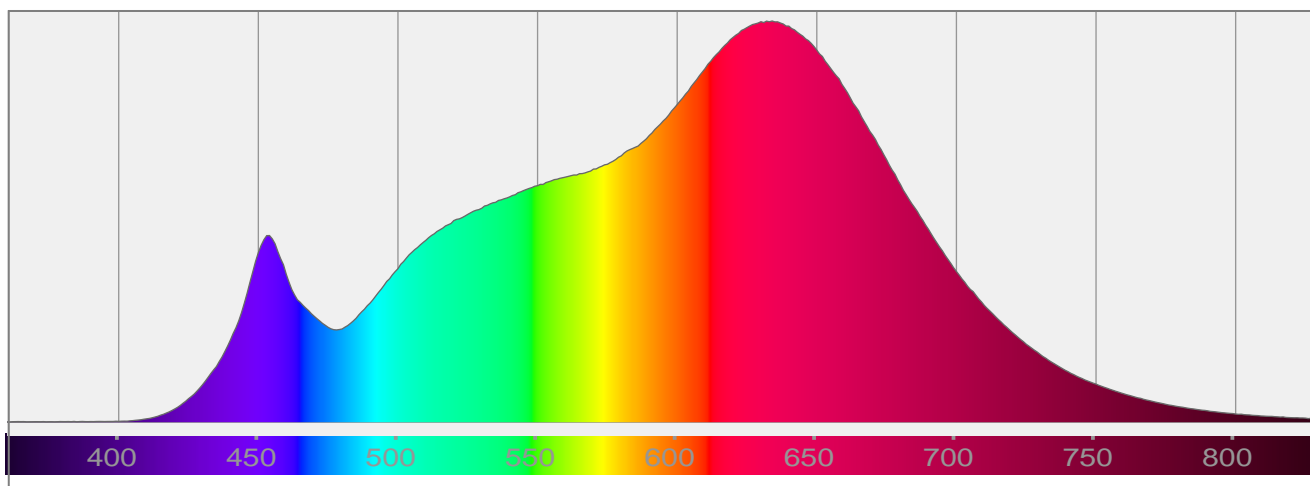
Output: 765 lm

Peak: 2189 cd

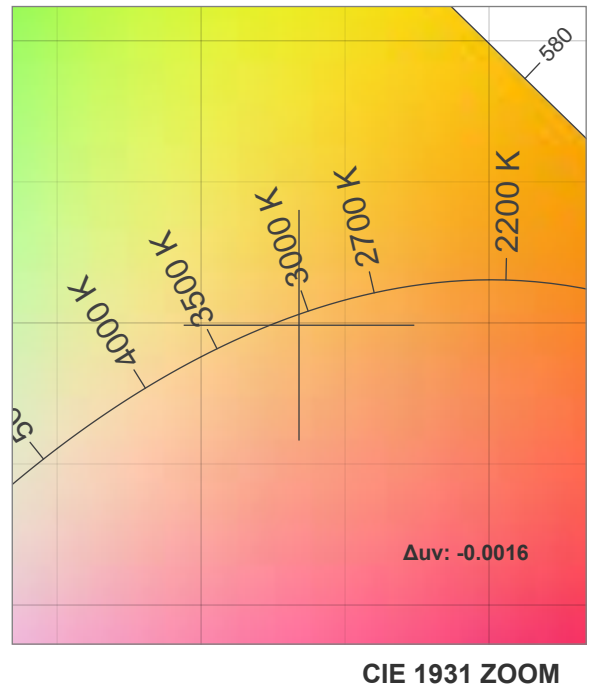
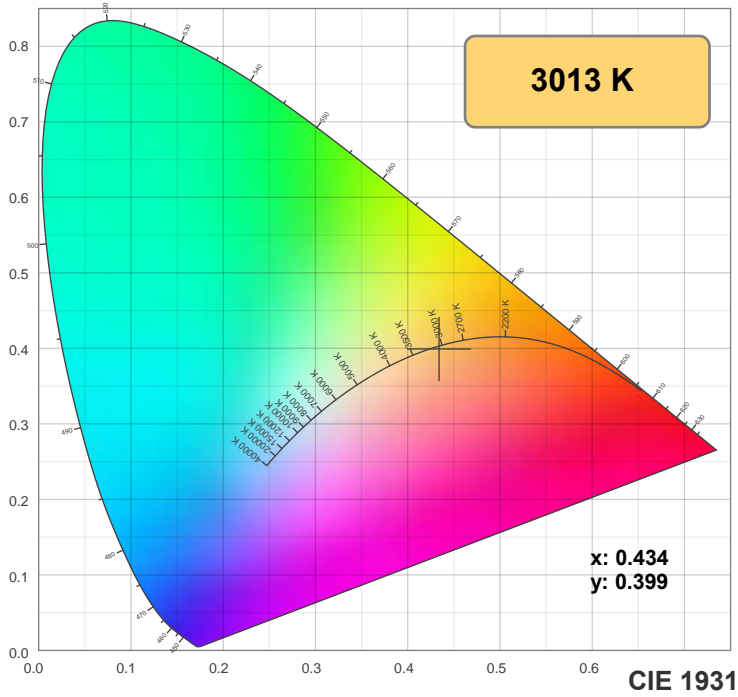
Power: 14.6 W

PF: 0.99

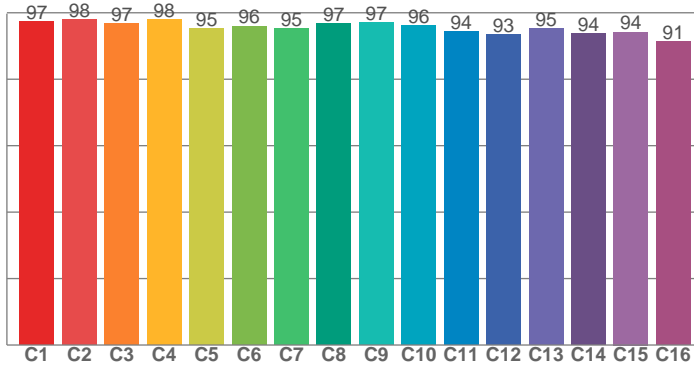
Spectra:



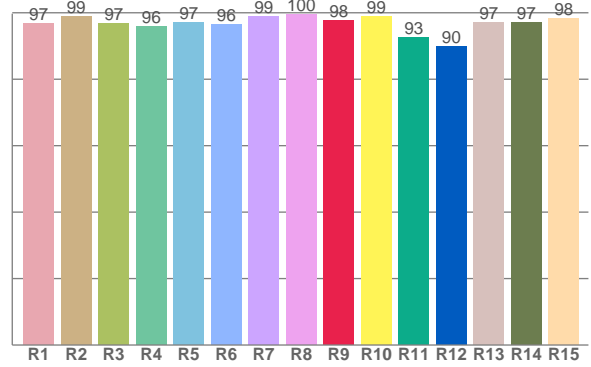
## Color Details



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	97.7	99.0	92.5	89.9	97.0	97.0	98.2

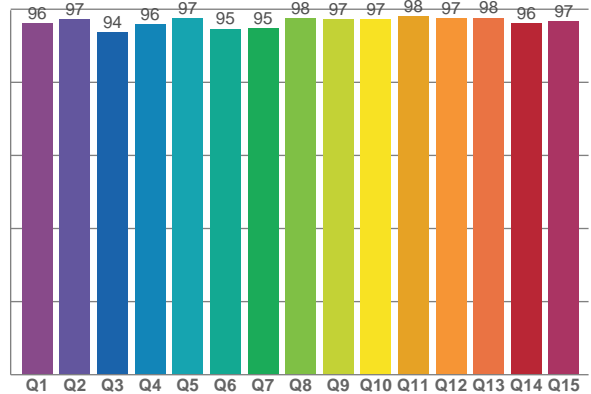
TM30 C Values:

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	93.6	96.0	97.5	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	$\Delta uv$
3013 K	97.5	97.7	95.8	102.3	96.1	0.434	0.399	0.251	0.346	-0.0016

## TM-30 Details

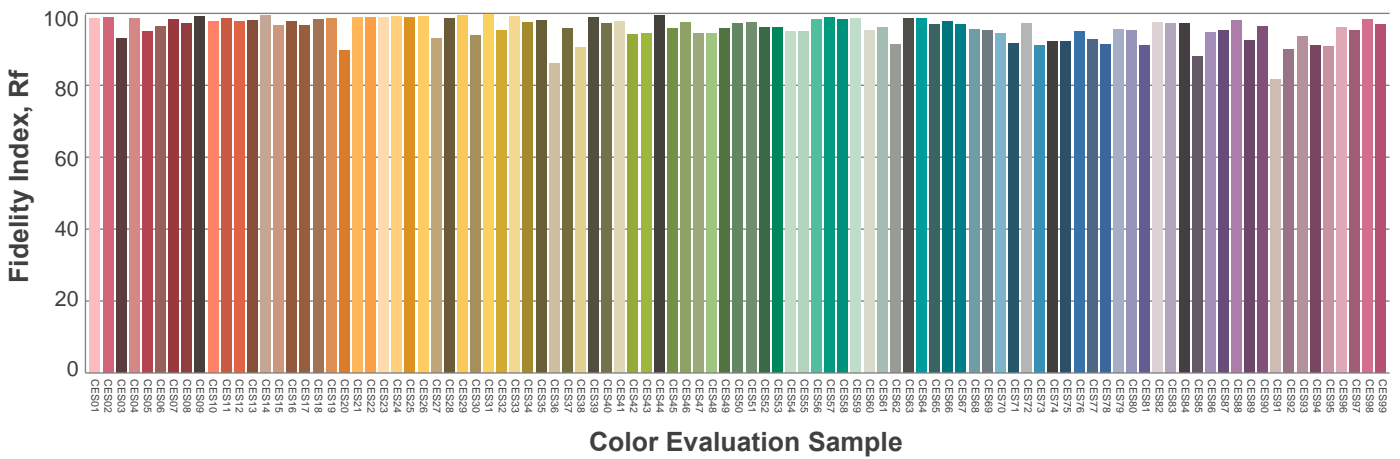
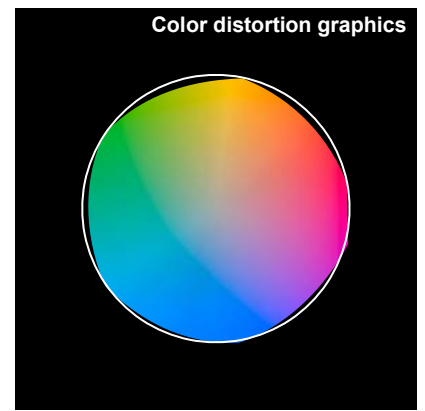
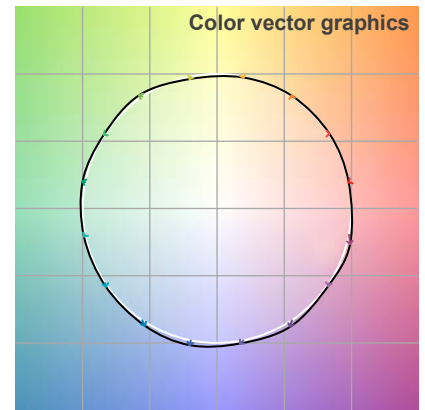
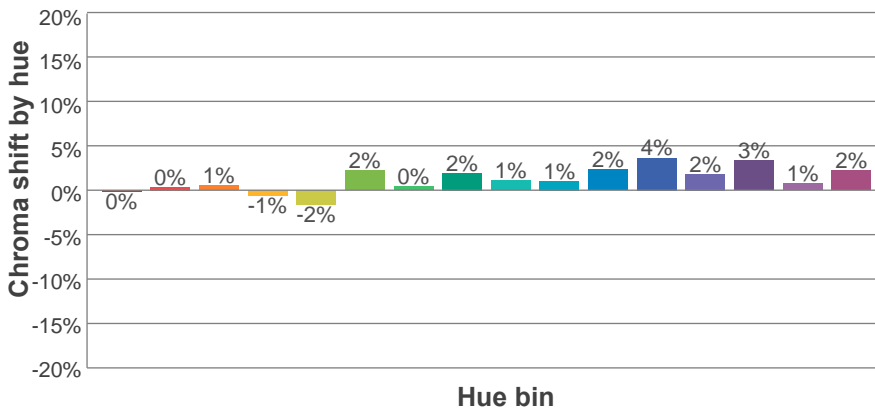
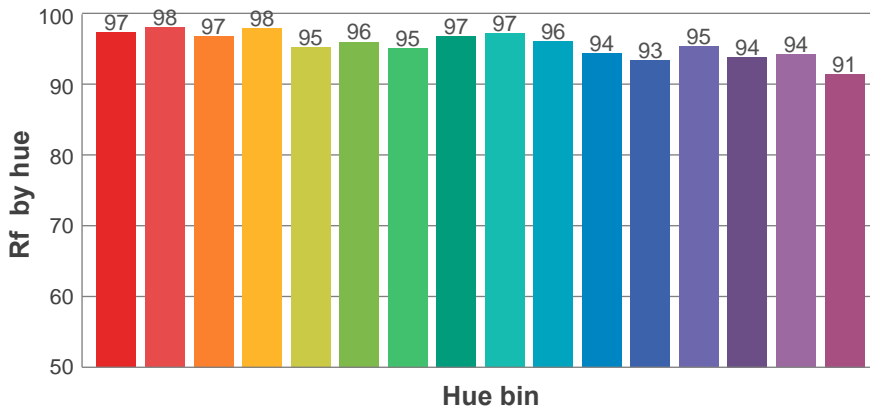
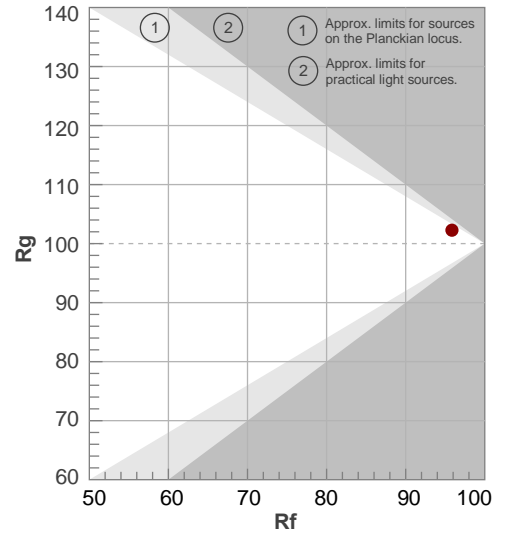
**Rf 95.8**

## Fidelity index $R_f$

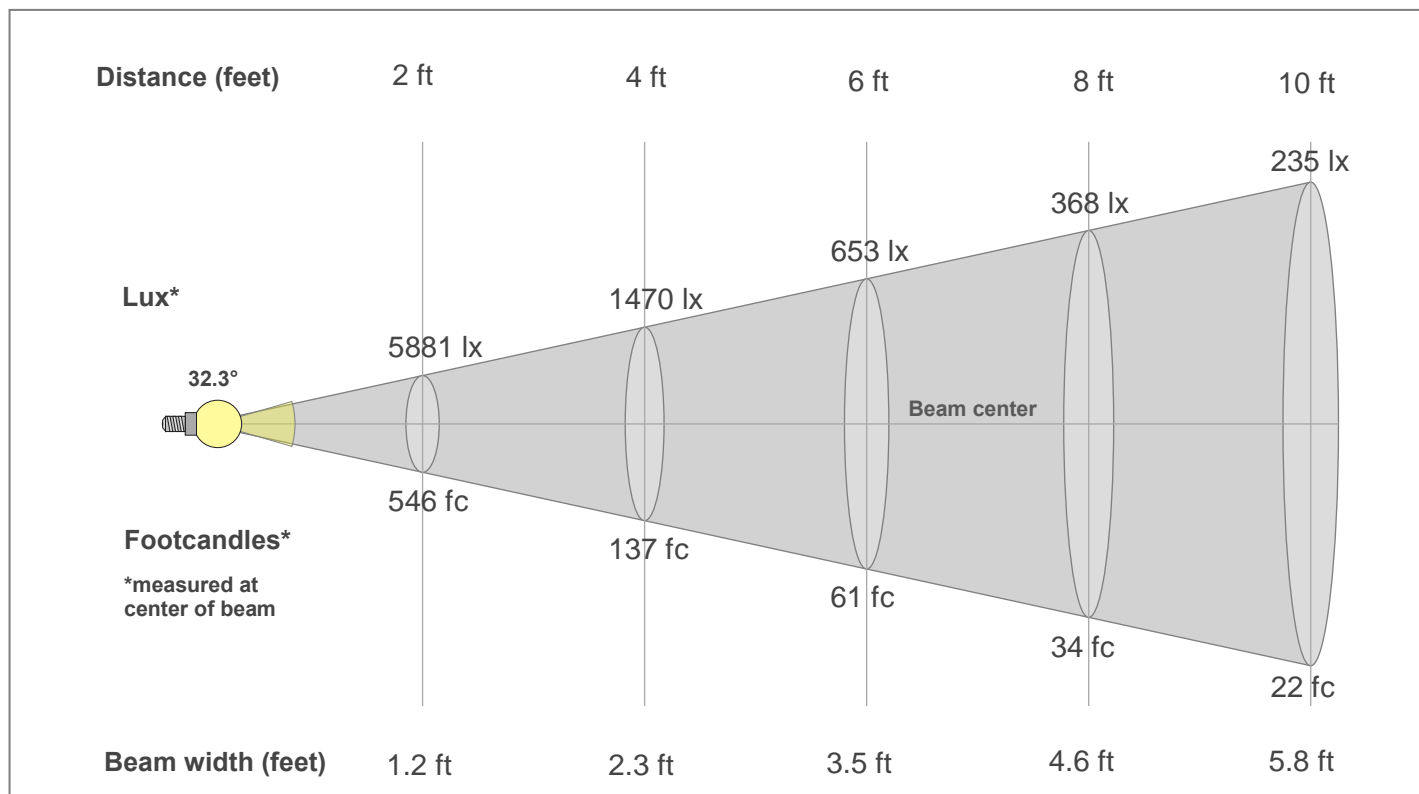
# Rg 102.3

## Gamut index Rg

		Shifts (%)	
Hue Bin	$R_T$	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
2185lx	546lx	243lx	137lx	87lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
203fc	50.8fc	22.6fc	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°
2185	2169	2105	2001	1870	1713	1530	1328	1116	910	714	544	416	318	241	184	139	107	81	60
100%	99%	96%	92%	86%	78%	70%	61%	51%	42%	33%	25%	19%	15%	11%	8%	6%	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°
2185	2161	2097	1996	1865	1709	1526	1319	1106	903	714	550	421	323	245	186	140	107	81	59
100%	99%	96%	91%	85%	78%	70%	60%	51%	41%	33%	25%	19%	15%	11%	8%	6%	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°
2185	2169	2105	2001	1870	1713	1530	1328	1116	910	714	544	416	318	241	184	139	107	81	60
100%	99%	96%	92%	86%	78%	70%	61%	51%	42%	33%	25%	19%	15%	11%	8%	6%	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°
2185	2161	2097	1996	1865	1709	1526	1319	1106	903	714	550	421	323	245	186	140	107	81	59
100%	99%	96%	91%	85%	78%	70%	60%	51%	41%	33%	25%	19%	15%	11%	8%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
32.3°	57.6°	77.1°	99.7%	99.2%