

## Photometric / Colorimetric / Electric Report

Fixture Model:

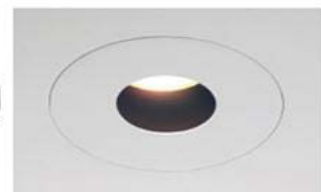
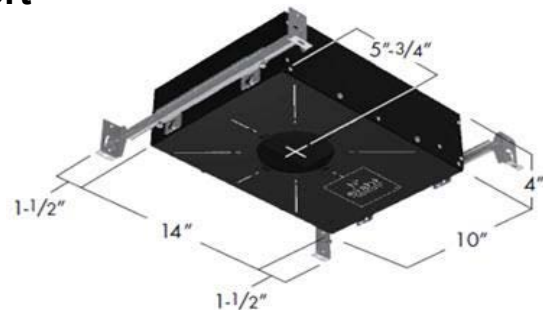
804S-J2S-HI-25-DIM1-8-1000-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

3/14/2022



Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 93.8

Color temperature:

2999 K

CIE 1931:

x: 0.439  
y: 0.408

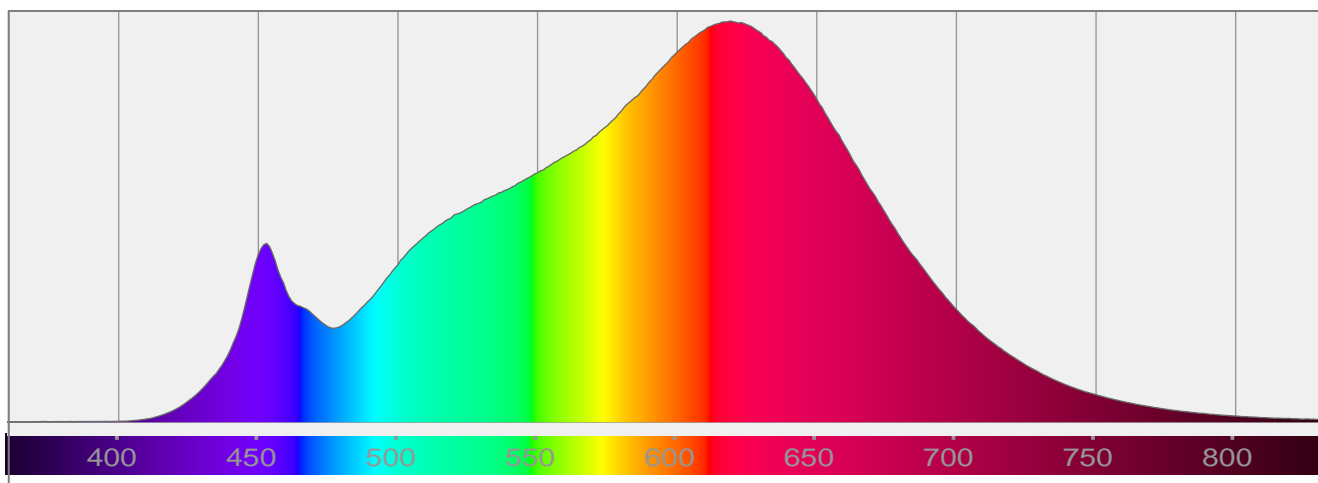
Output: 768 lm

Peak: 2968 cd

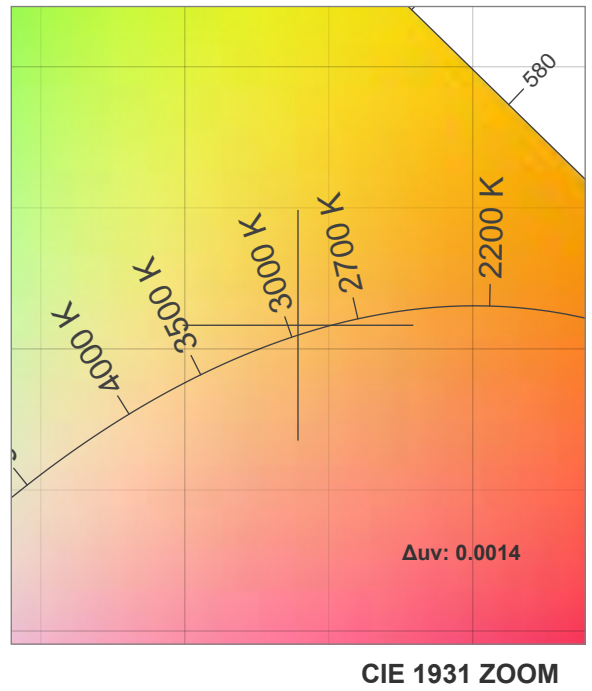
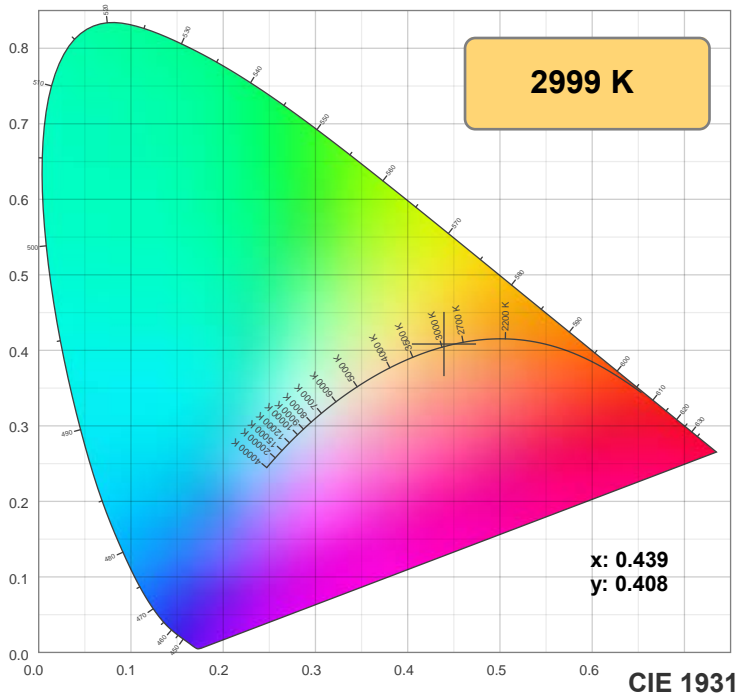
Power: 13.8 W

PF: 0.99

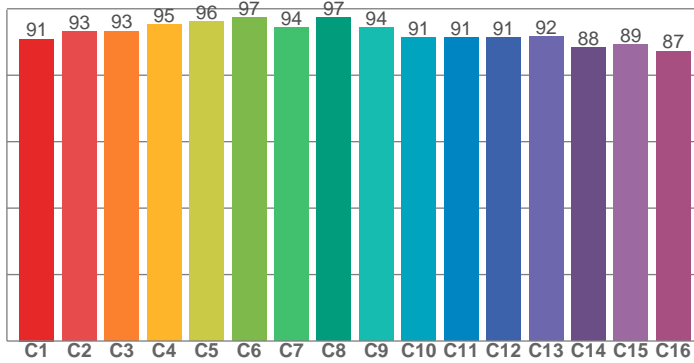
Spectra:



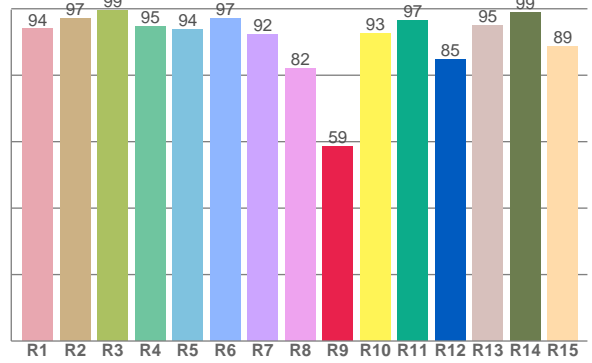
## Color Details



**TM-30: 92.8**



**CRI: 93.8 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.9	97.0	99.4	94.6	93.9	97.1	92.4	81.9	58.7	92.5	96.6	84.8	94.9	99.0	88.6

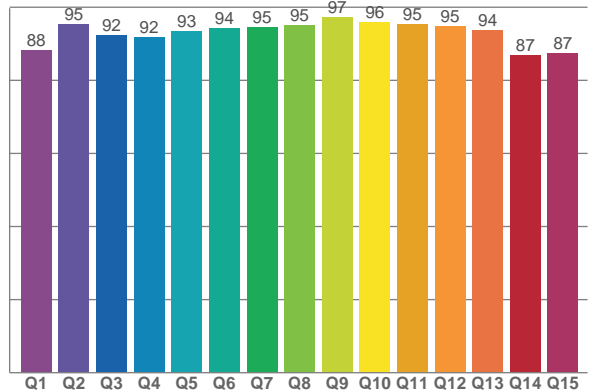
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.9	93.3	93.3	95.2	96.1	97.4	94.4	97.4	94.3	91.4	91.4	91.4	91.6	88.4	89.3	87.3

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.1	95.3	92.3	91.7	93.5	94.3	94.6	95.2	97.2	95.9	95.3	94.7	93.8	86.8	87.4

**CQS: 92.2**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2999 K	93.8	58.7	92.8	98.0	92.2	0.439	0.408	0.250	0.349	0.0014

# TM-30 Details

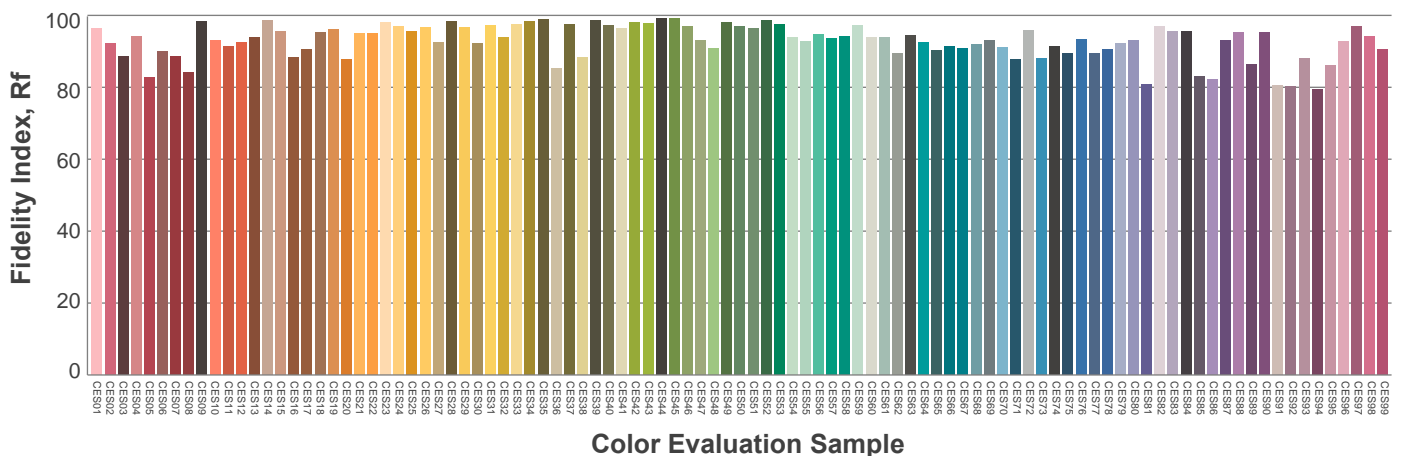
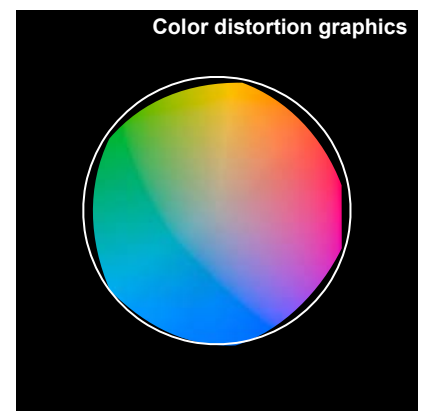
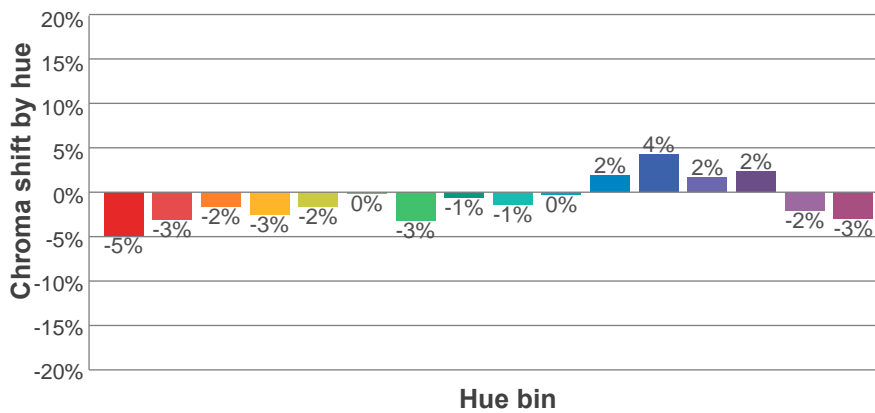
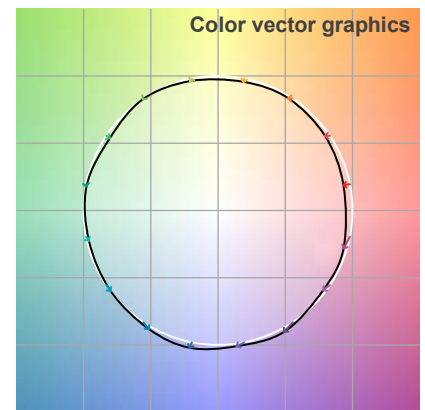
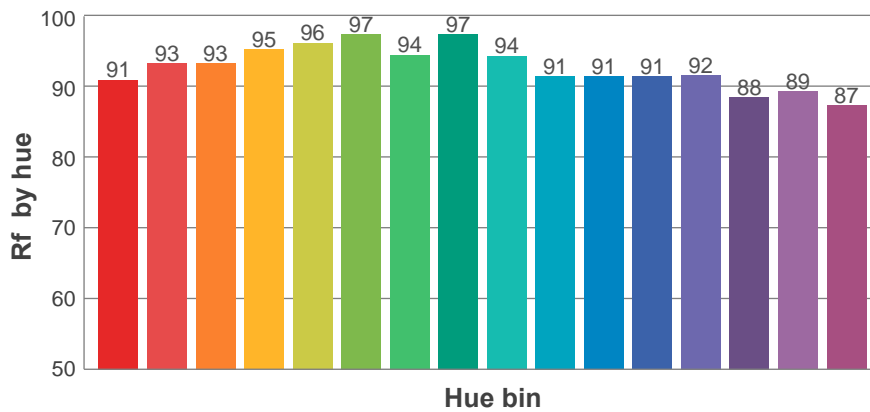
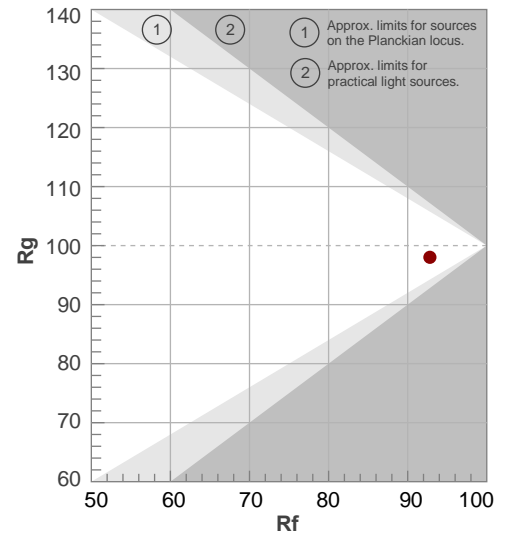
**Rf 92.8**

Fidelity index Rf

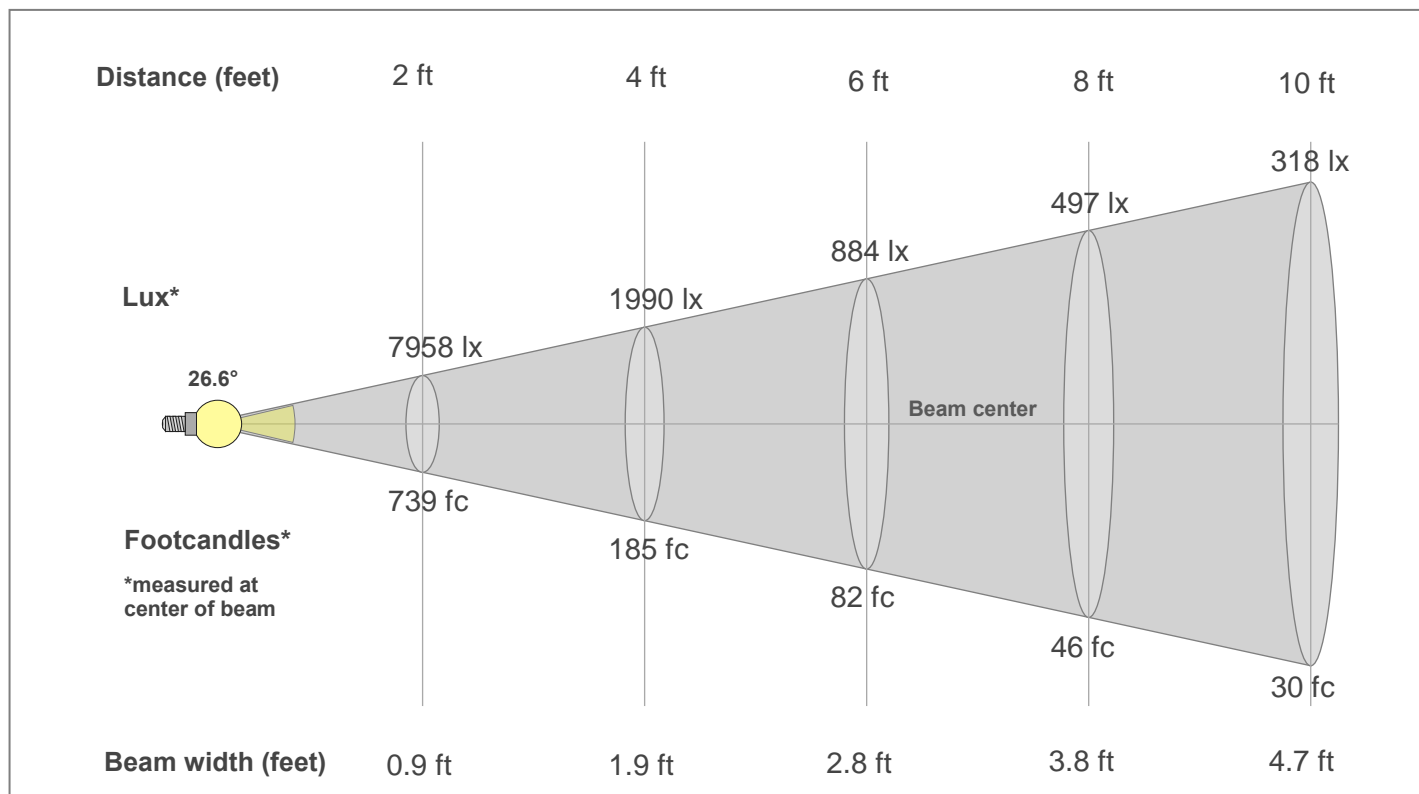
**Rg 98.0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	93	-2%	3%
4	95	-3%	0%
5	96	-2%	2%
6	97	0%	0%
7	94	-3%	0%
8	97	-1%	1%
9	94	-1%	3%
10	91	0%	5%
11	91	2%	6%
12	91	4%	-1%
13	92	2%	-6%
14	88	2%	-9%
15	89	-2%	-6%
16	87	-3%	-9%



## 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
2957lx	739lx	329lx	185lx	118lx	82lx	60lx	46lx	37lx	30lx	24lx	21lx	17lx	15lx	13lx	12lx	10lx	9lx	8lx	7lx
274.8fc	68.7fc	30.5fc	17.2fc	11fc	7.6fc	5.6fc	4.3fc	3.4fc	2.7fc	2.3fc	1.9fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc	0.8fc	0.8fc	0.7fc

### 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°
2957	2903	2766	2546	2269	1956	1657	1382	1139	921	732	564	402	270	182	115	71	44	26	17
100%	98%	94%	86%	77%	66%	56%	47%	39%	31%	25%	19%	14%	9%	6%	4%	2%	1%	1%	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°
2957	2921	2758	2527	2241	1953	1656	1382	1133	914	715	533	385	274	180	114	71	44	28	18
100%	99%	93%	85%	76%	66%	56%	47%	38%	31%	24%	18%	13%	9%	6%	4%	2%	1%	1%	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°
2957	2903	2766	2546	2269	1956	1657	1382	1139	921	732	564	402	270	182	115	71	44	26	17
100%	98%	94%	86%	77%	66%	56%	47%	39%	31%	25%	19%	14%	9%	6%	4%	2%	1%	1%	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°
2957	2921	2758	2527	2241	1953	1656	1382	1133	914	715	533	385	274	180	114	71	44	28	18
100%	99%	93%	85%	76%	66%	56%	47%	38%	31%	24%	18%	13%	9%	6%	4%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
26.6°	51.2°	63.7°	99.5%	99.3%