

## Photometric / Colorimetric / Electric Report

Fixture Model:

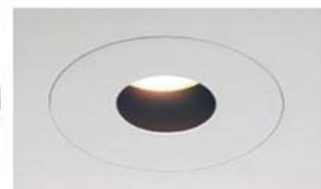
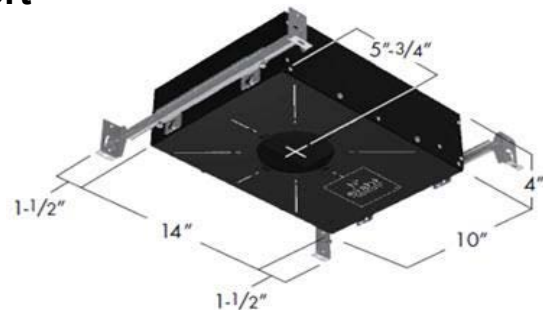
804S-J2S-HI-40-DIM1-8-1400-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

3/14/2022



Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 93.2

Color temperature:

2987 K

CIE 1931:

x: 0.441  
y: 0.411

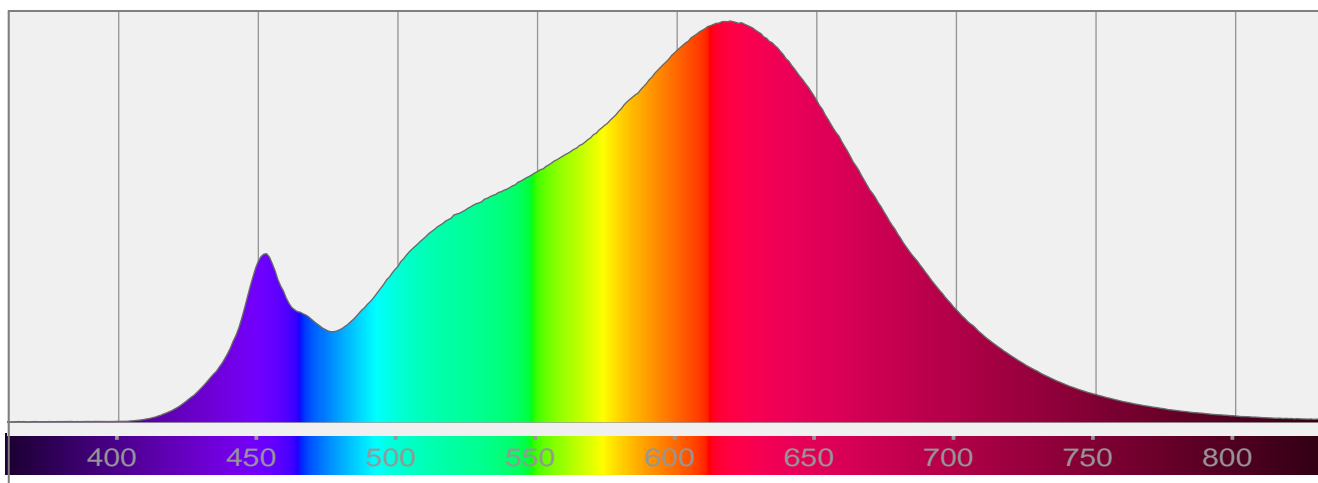
Output: 1154 lm

Peak: 2244 cd

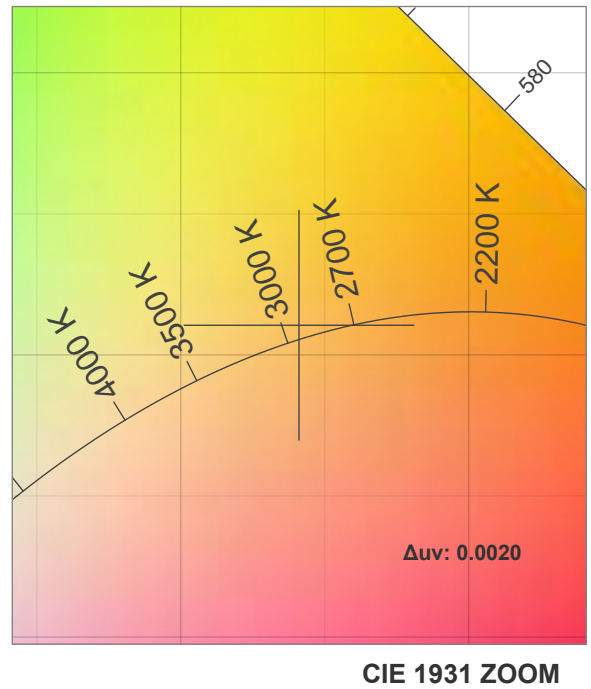
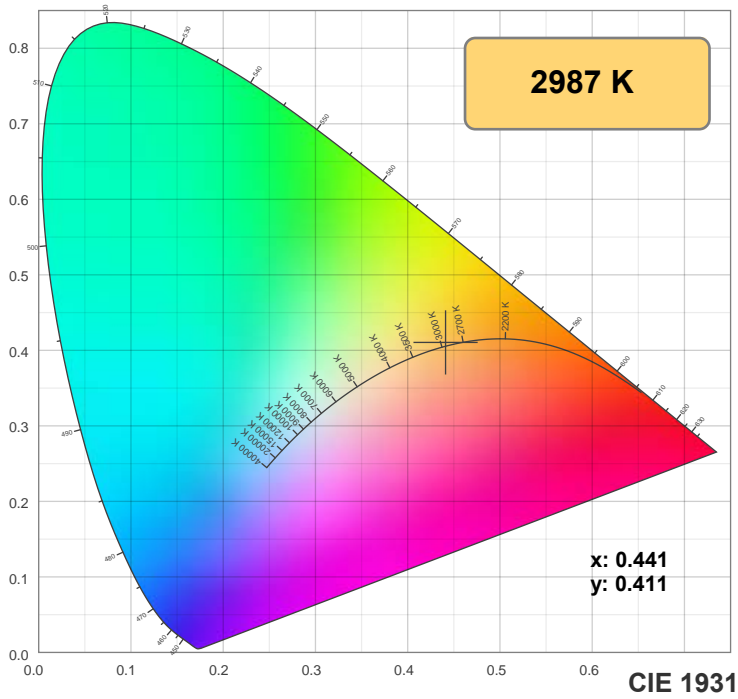
Power: 19.7 W

PF: 0.99

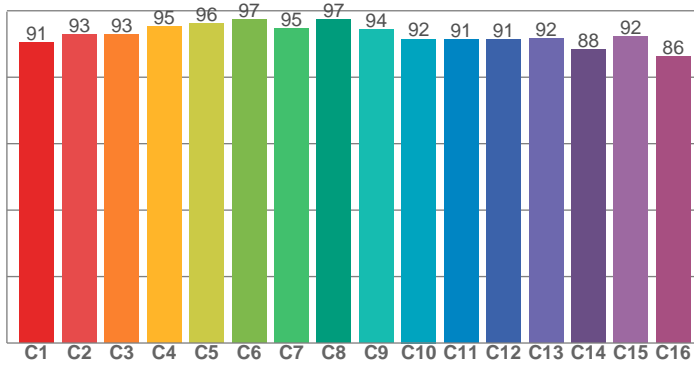
Spectra:



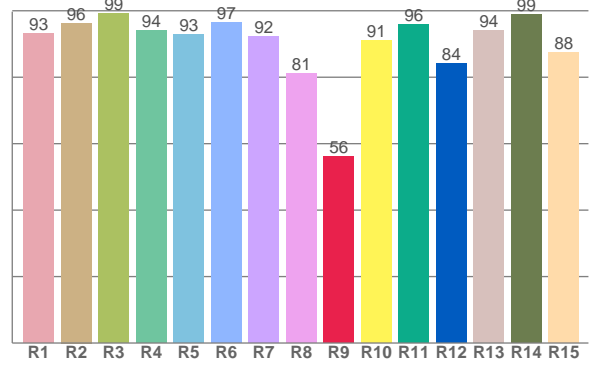
## Color Details



**TM-30: 92.7**



**CRI: 93.2 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.1	96.3	99.1	94.1	93.0	96.5	92.3	81.0	56.1	91.0	95.8	84.2	94.0	98.8	87.6

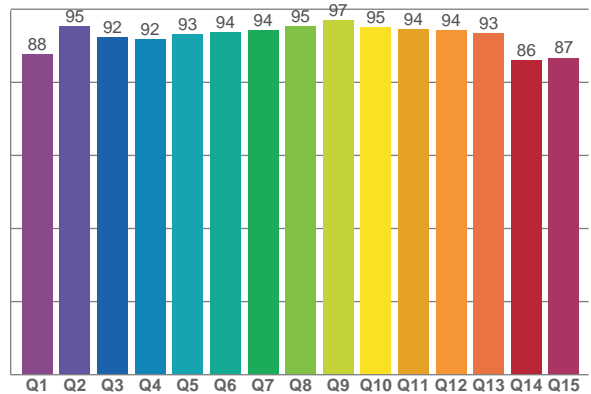
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.5	92.9	92.8	95.3	96.2	97.3	94.5	97.4	94.4	91.5	91.3	91.4	91.7	88.4	92.1	86.2

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.7	95.3	92.2	91.7	93.2	93.7	94.1	95.2	96.9	95.1	94.5	94.2	93.4	86.0	86.7

**CQS: 91.8**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2987 K	93.2	56.1	92.7	97.7	91.8	0.441	0.411	0.250	0.350	0.0020

# TM-30 Details

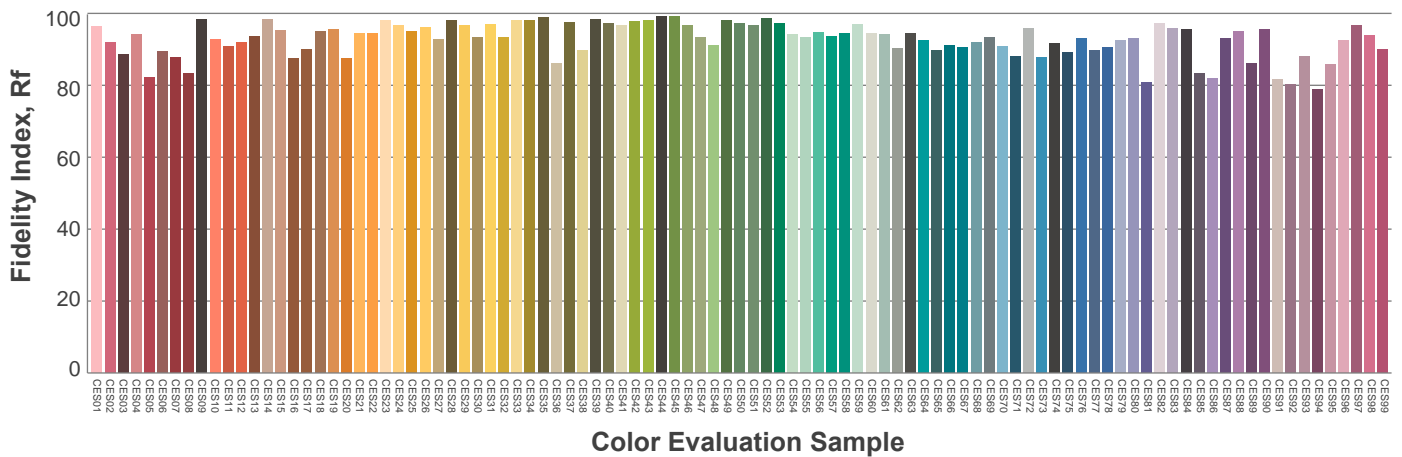
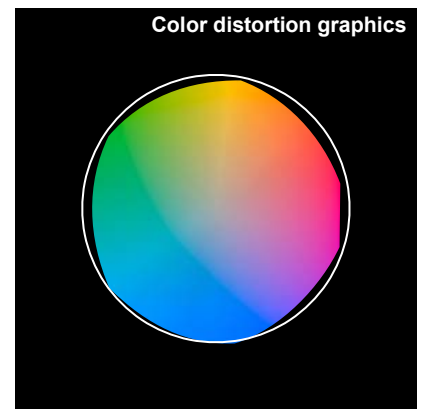
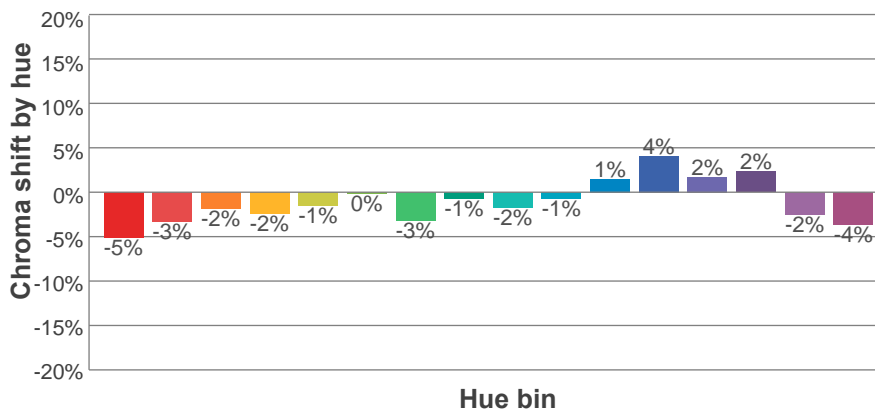
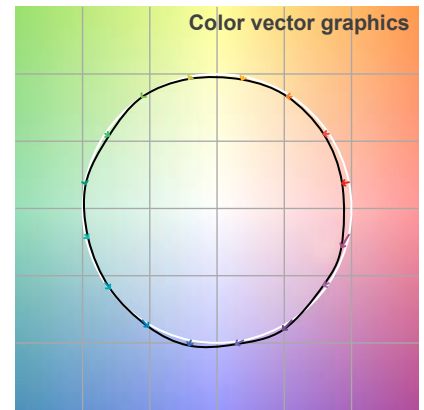
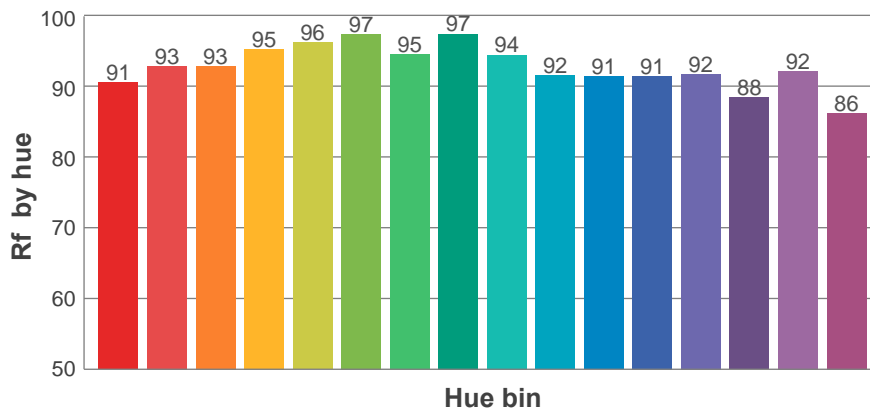
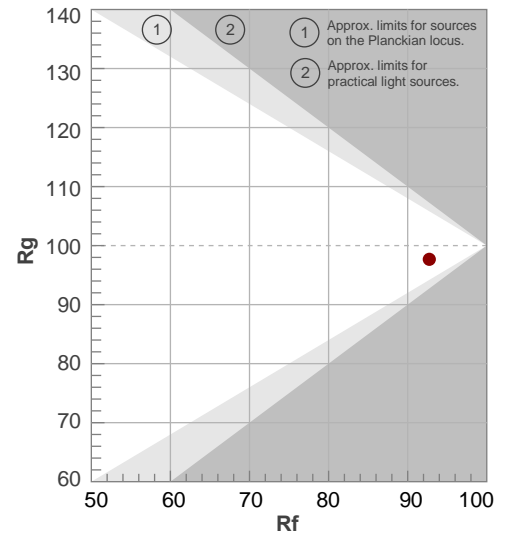
**Rf 92.7**

Fidelity index Rf

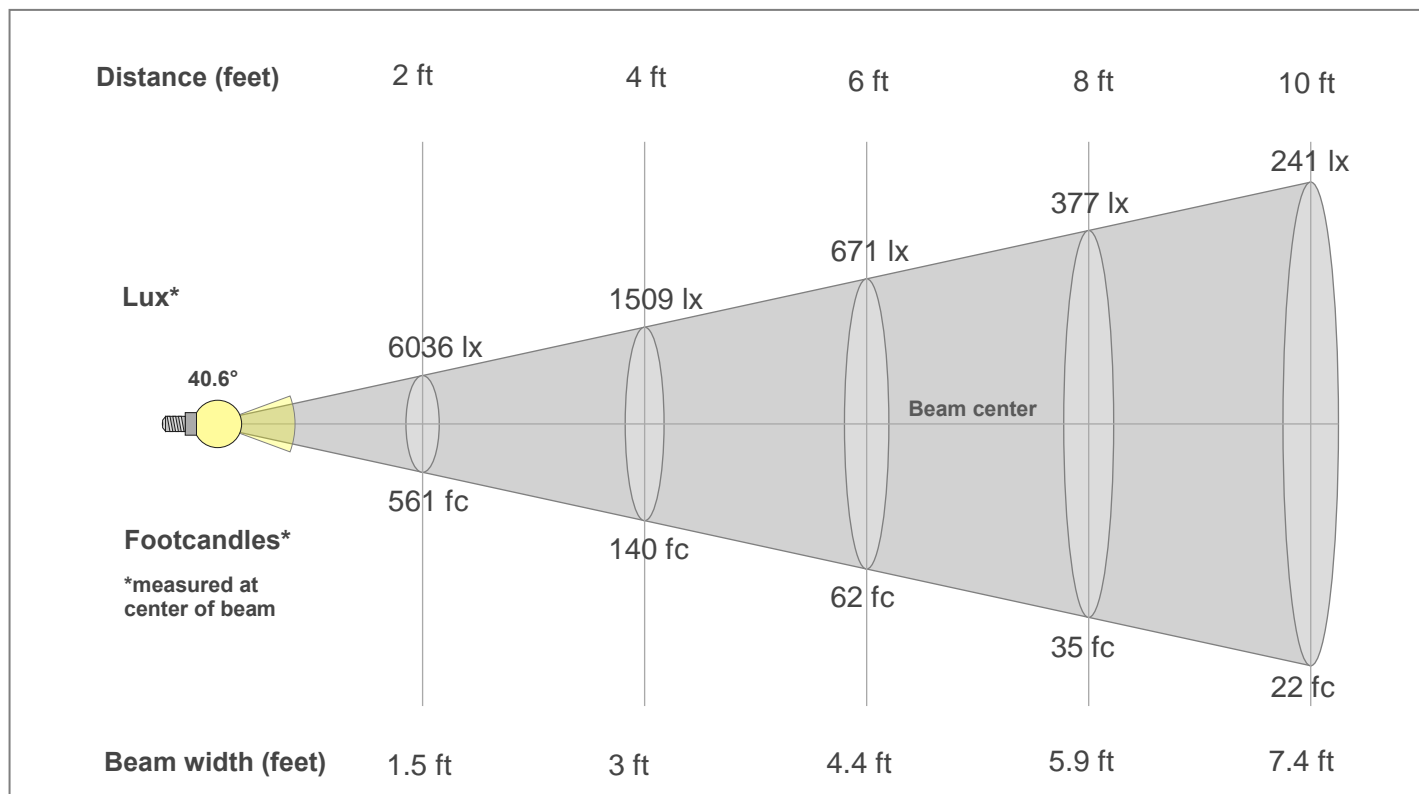
**Rg 97.7**

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	-2%	0%
5	96	-1%	2%
6	97	0%	0%
7	95	-3%	0%
8	97	-1%	1%
9	94	-2%	3%
10	92	-1%	5%
11	91	1%	6%
12	91	4%	-1%
13	92	2%	-6%
14	88	2%	-9%
15	92	-2%	-4%
16	86	-4%	-10%



## 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
2243lx	561lx	249lx	140lx	90lx	62lx	46lx	35lx	28lx	22lx	19lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
208.4fc	52.1fc	23.2fc	13fc	8.3fc	5.8fc	4.3fc	3.3fc	2.6fc	2.1fc	1.7fc	1.4fc	1.2fc	1.1fc	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°
2243	2233	2197	2137	2055	1949	1824	1683	1523	1344	1157	970	790	635	514	409	320	254	199	153
100%	100%	98%	95%	92%	87%	81%	75%	68%	60%	52%	43%	35%	28%	23%	18%	14%	11%	9%	7%

### 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°
2243	2235	2199	2140	2060	1950	1821	1676	1511	1329	1141	957	785	637	516	412	327	260	205	159
100%	100%	98%	95%	92%	87%	81%	75%	67%	59%	51%	43%	35%	28%	23%	18%	15%	12%	9%	7%

### 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°
2243	2233	2197	2137	2055	1949	1824	1683	1523	1344	1157	970	790	635	514	409	320	254	199	153
100%	100%	98%	95%	92%	87%	81%	75%	68%	60%	52%	43%	35%	28%	23%	18%	14%	11%	9%	7%

### 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°
2243	2235	2199	2140	2060	1950	1821	1676	1511	1329	1141	957	785	637	516	412	327	260	205	159
100%	100%	98%	95%	92%	87%	81%	75%	67%	59%	51%	43%	35%	28%	23%	18%	15%	12%	9%	7%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
40.6°	70.3°	87.9°	99.6%	98.8%