

## Photometric / Colorimetric / Electric Report

Fixture Model:

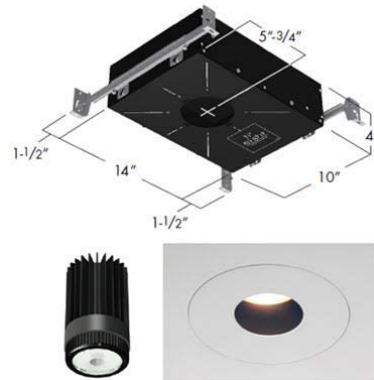
**804S-K2S-WD-15-DIM1-8-350-FR-P-1-WH**

Trim Model:

**FR-P-1-WH**

Date:

**3/24/2022**



Light efficiency:

**61 Lumen/Watt**

Light quality:

**CRI: 96.8**

Color temperature:

**3090 K**

CIE 1931:

**x: 0.430  
y: 0.399**

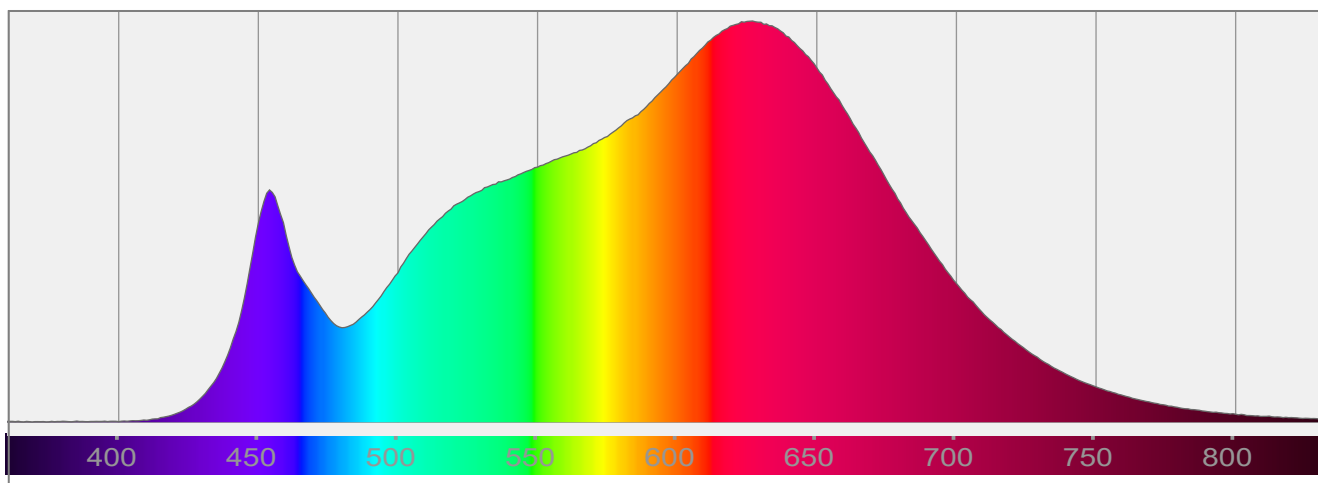
**Output: 892 lm**

**Peak: 3866 cd**

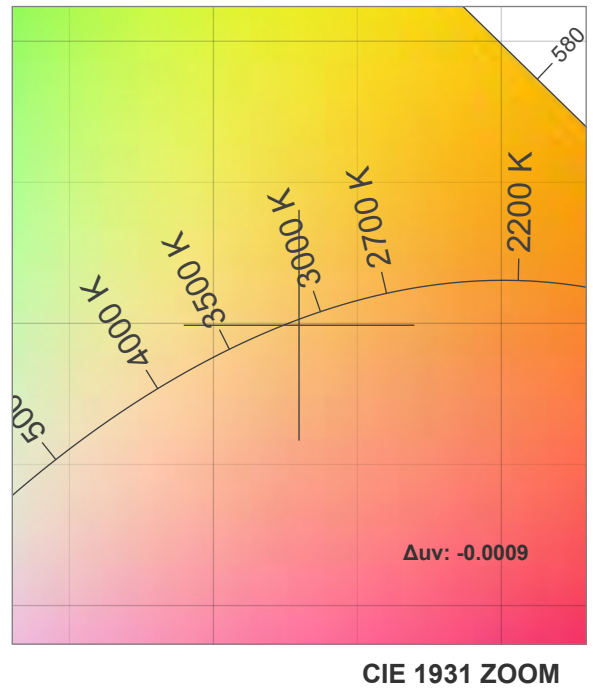
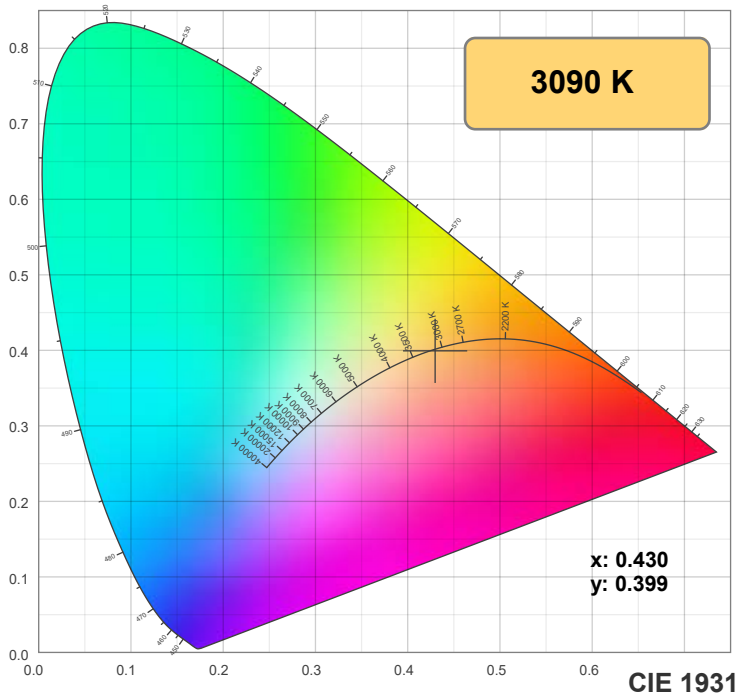
**Power: 14.6 W**

**PF: 0.99**

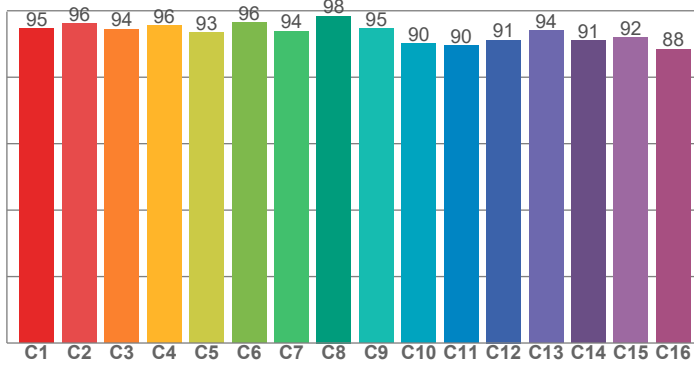
Spectra:



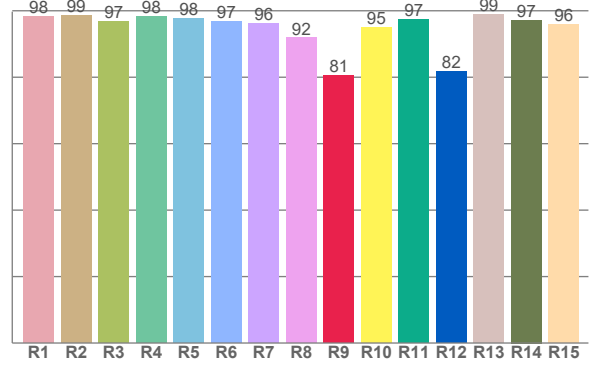
## Color Details



**TM-30: 93.5**



**CRI: 96.8 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.4	98.6	96.8	98.2	97.6	96.9	96.1	91.8	80.6	95.0	97.3	81.8	98.9	97.2	95.8

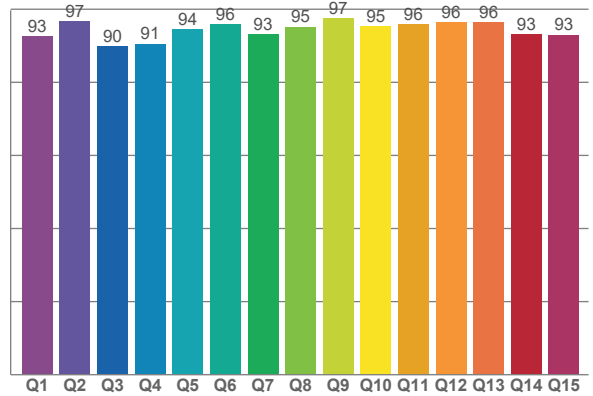
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.6	96.1	94.5	95.6	93.5	96.5	93.9	98.4	94.6	90.1	89.5	91.2	94.0	90.9	91.9	88.5

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.7	96.8	89.8	90.5	94.4	95.8	93.2	95.2	97.5	95.5	96.0	96.3	96.5	93.2	93.0

**CQS: 93.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3090 K	96.8	80.6	93.5	100.7	93.9	0.430	0.399	0.248	0.346	-0.0009

# TM-30 Details

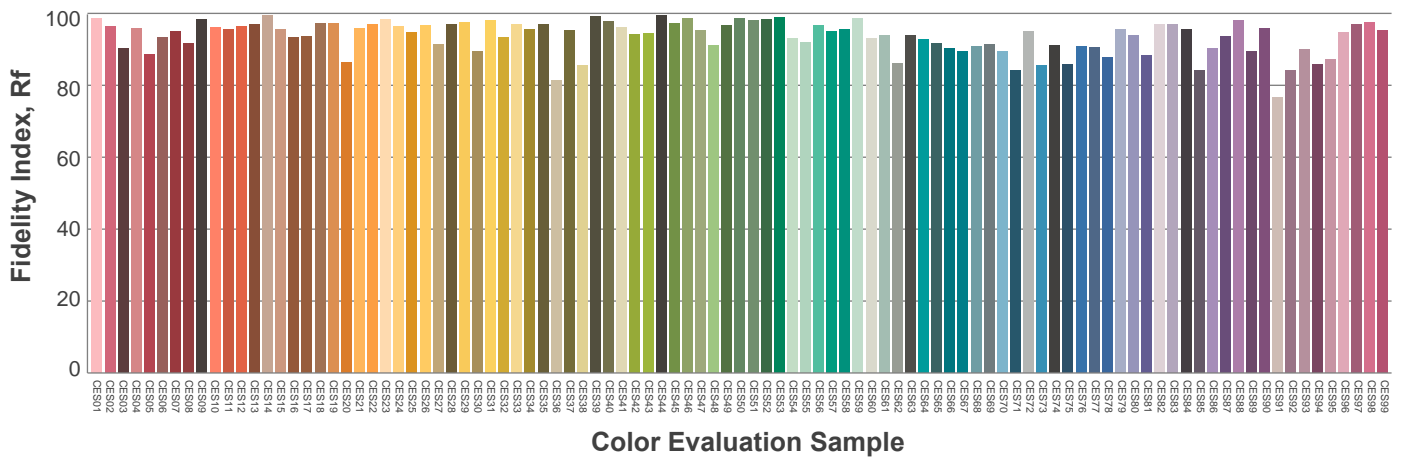
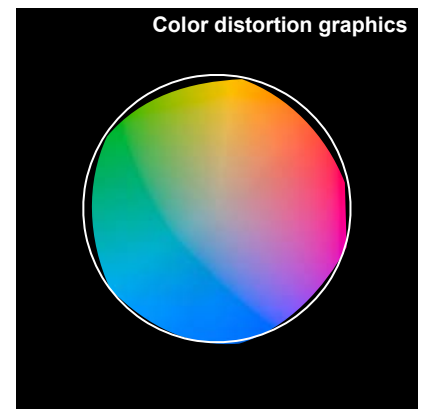
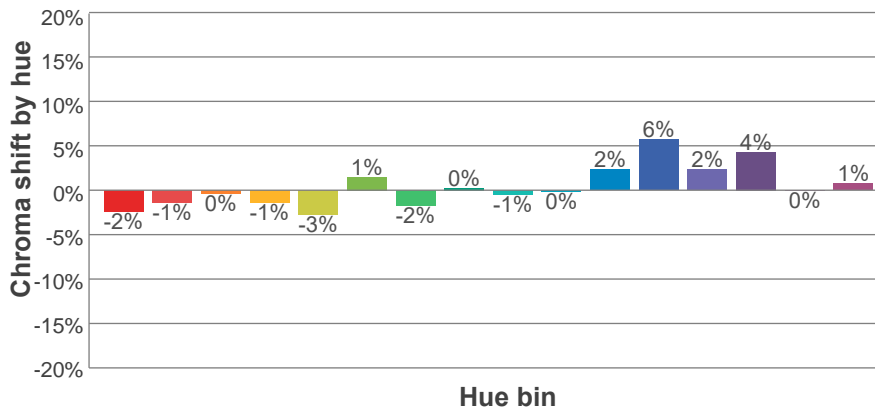
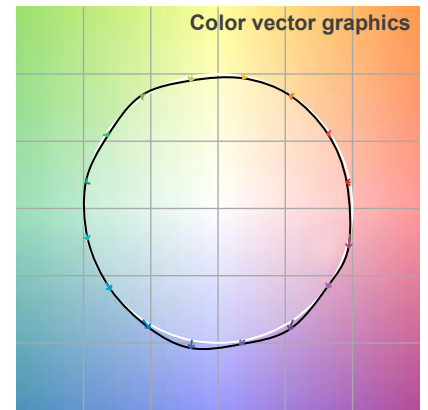
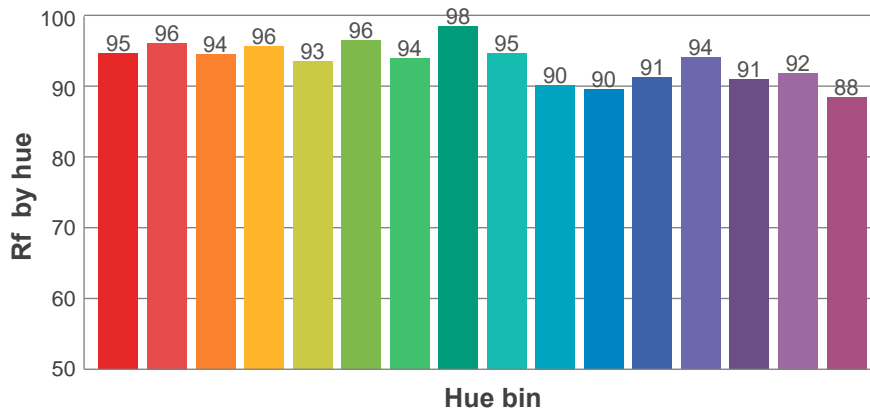
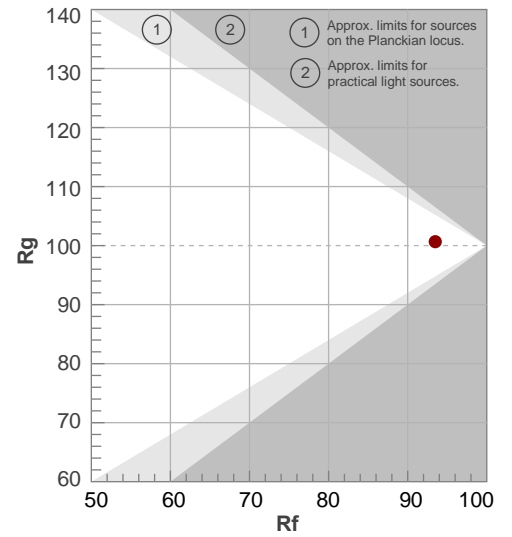
**Rf 93.5**

Fidelity index Rf

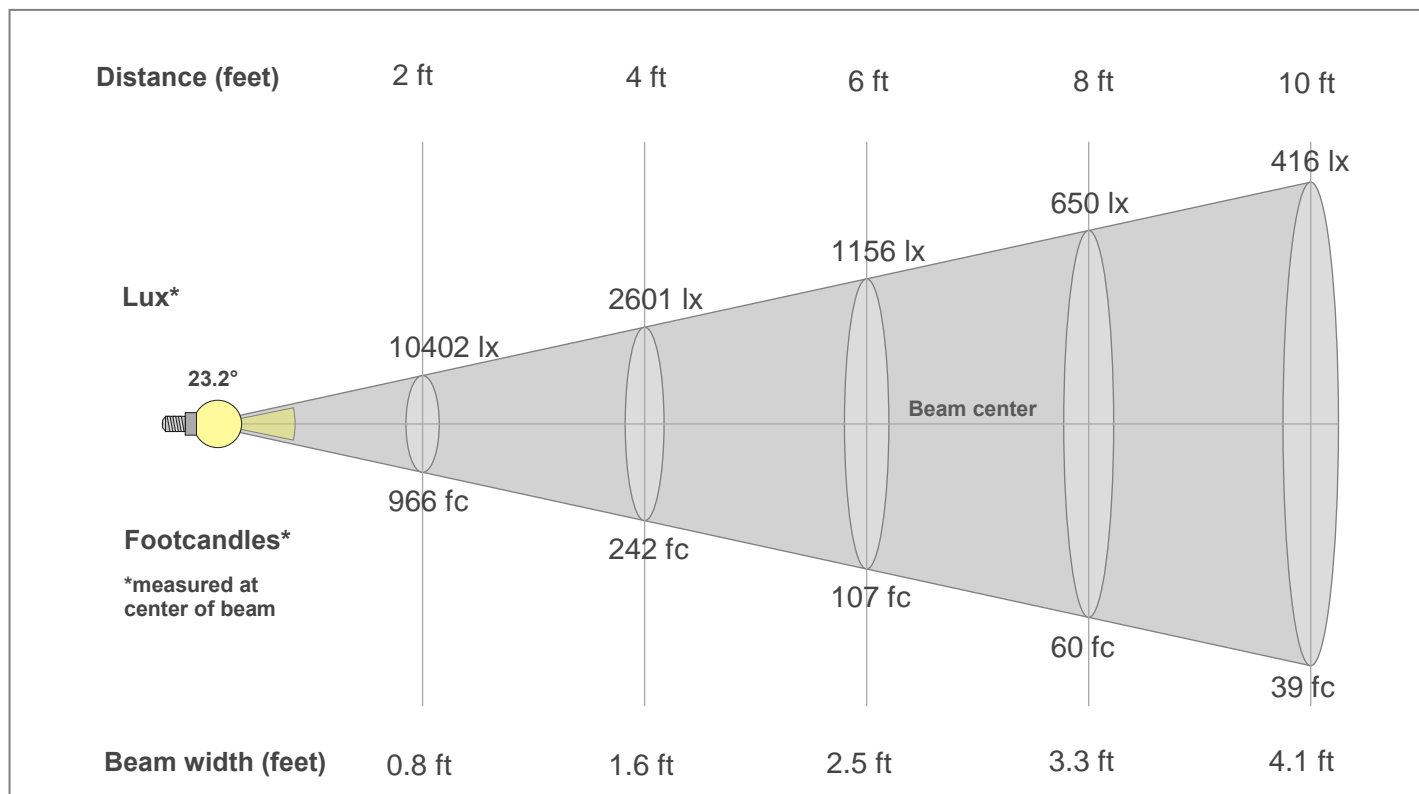
**Rg 100.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	94	0%	2%
4	96	-1%	0%
5	93	-3%	2%
6	96	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	-1%	4%
10	90	0%	6%
11	90	2%	7%
12	91	6%	0%
13	94	2%	-3%
14	91	4%	-6%
15	92	0%	-4%
16	88	1%	-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
3866lx	966lx	430lx	242lx	155lx	107lx	79lx	60lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
359.1fc	89.8fc	39.9fc	22.4fc	14.4fc	10fc	7.3fc	5.6fc	4.4fc	3.6fc	3fc	2.5fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc	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°
3866	3805	3608	3271	2833	2324	1838	1415	1090	842	655	513	401	316	249	195	147	107	74	51
100%	98%	93%	85%	73%	60%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	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°
3866	3805	3608	3271	2833	2324	1838	1415	1090	842	655	513	401	316	249	195	147	107	74	51
100%	98%	93%	85%	73%	60%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	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°
3866	3805	3608	3271	2833	2324	1838	1415	1090	842	655	513	401	316	249	195	147	107	74	51
100%	98%	93%	85%	73%	60%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	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°
3866	3805	3608	3271	2833	2324	1838	1415	1090	842	655	513	401	316	249	195	147	107	74	51
100%	98%	93%	85%	73%	60%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.2°	48.6°	69.1°	99.4%	98.7%