

## Photometric / Colorimetric / Electric Report

Fixture Model:

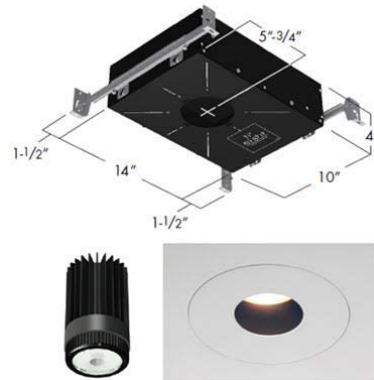
**804S-K2S-WD-25-DIM1-8-350-FR-P-1-WH**

Trim Model:

**FR-P-1-WH**

Date:

**3/24/2022**



Light efficiency:

**52 Lumen/Watt**

Light quality:

**CRI: 96.9**

Color temperature:

**3090 K**

CIE 1931:

**x: 0.429  
y: 0.398**

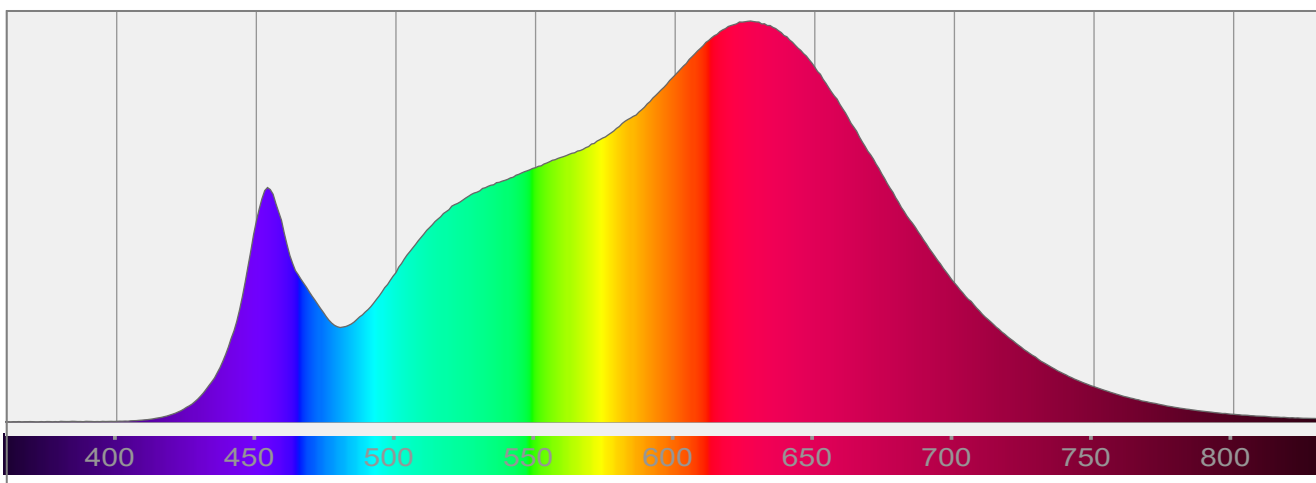
**Output: 757 lm**

**Peak: 2397 cd**

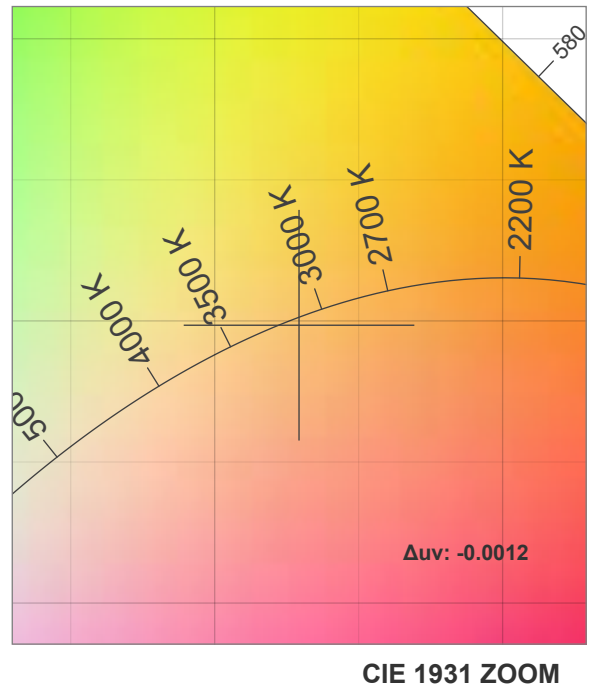
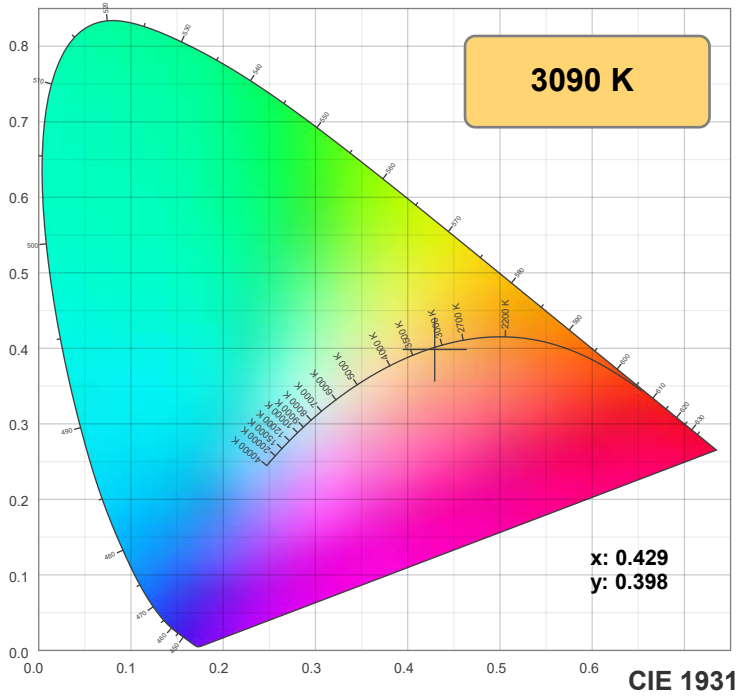
**Power: 14.6 W**

**PF: 1.0**

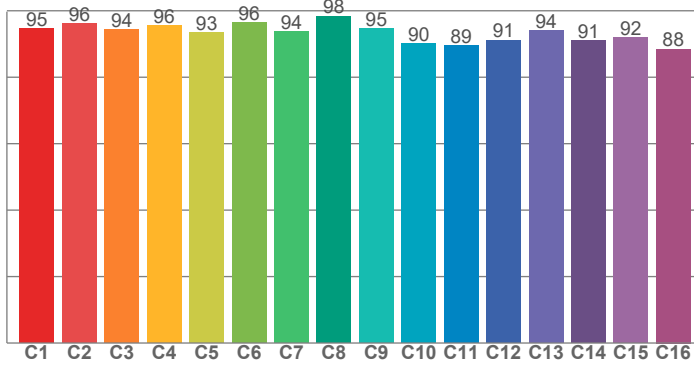
Spectra:



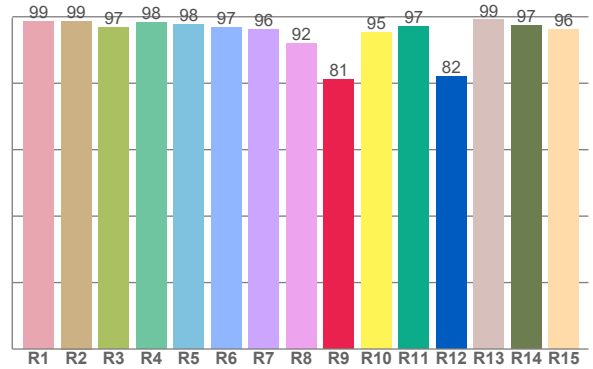
## Color Details



TM-30: 93.5



CRI: 96.9 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.5	98.7	96.8	98.2	97.8	96.9	96.1	92.0	81.2	95.3	97.2	82.0	99.0	97.3	96.1

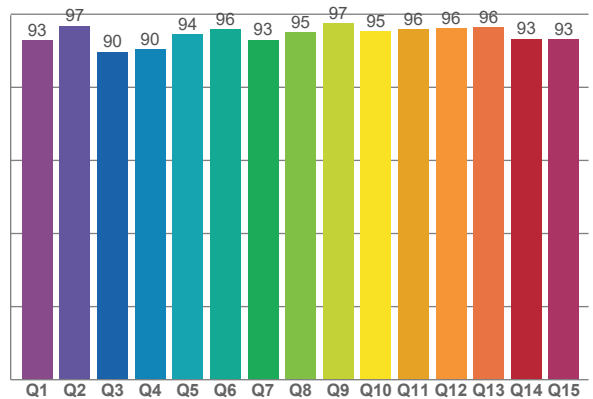
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.7	96.1	94.4	95.7	93.4	96.4	93.9	98.4	94.7	90.2	89.5	91.2	94.1	90.9	91.9	88.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.8	96.8	89.7	90.5	94.5	95.8	93.0	95.1	97.5	95.4	95.8	96.2	96.3	93.3	93.1

CQS: 93.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3090 K	96.9	81.2	93.5	100.8	93.9	0.429	0.398	0.248	0.345	-0.0012

# TM-30 Details

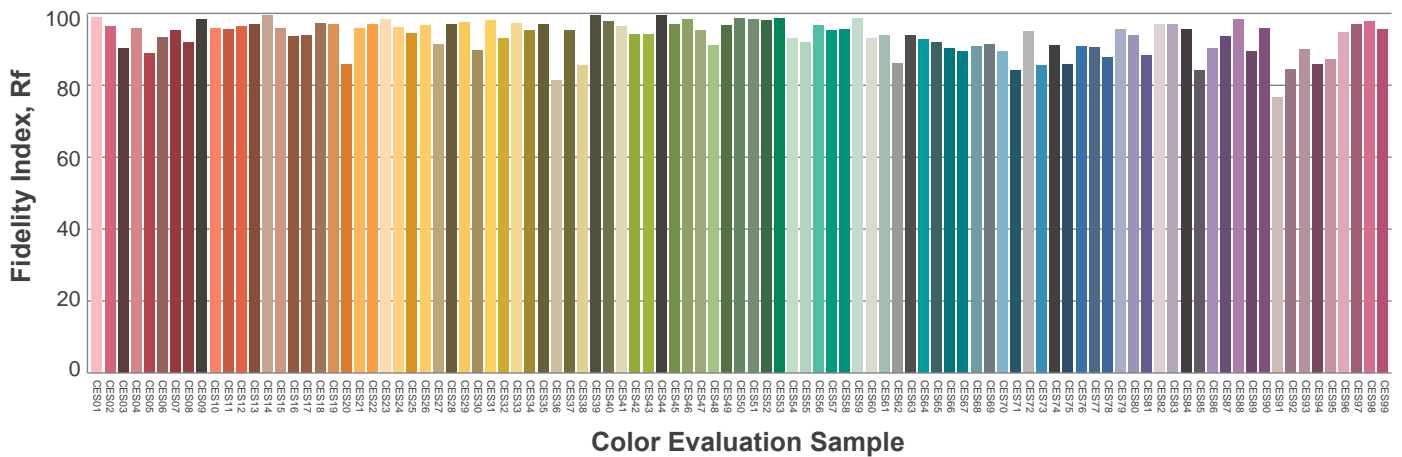
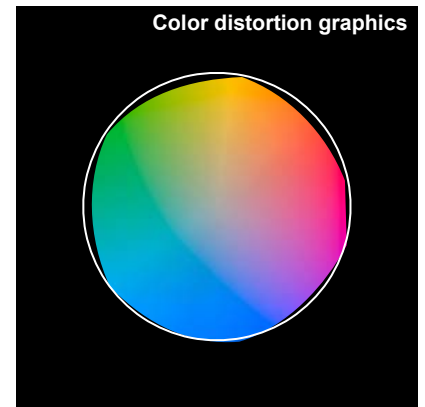
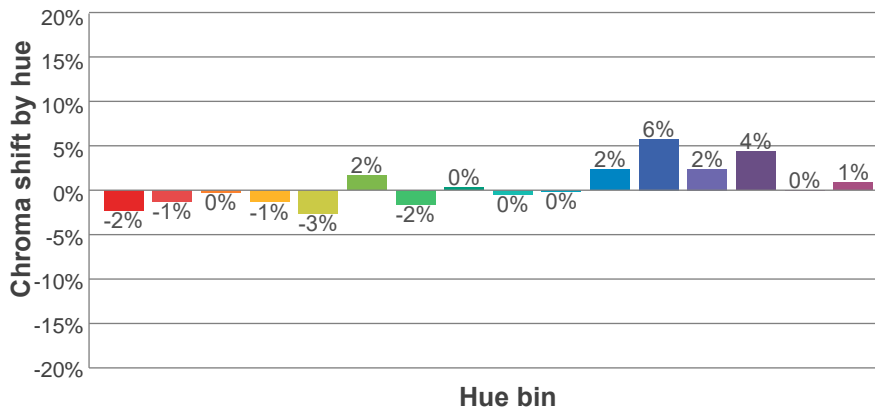
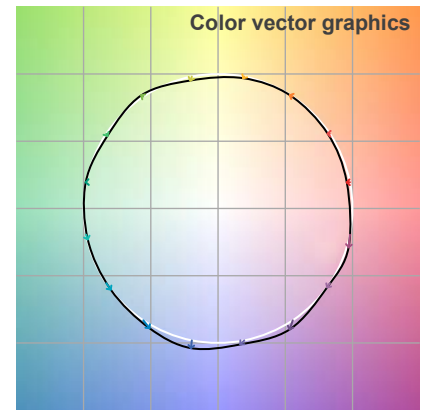
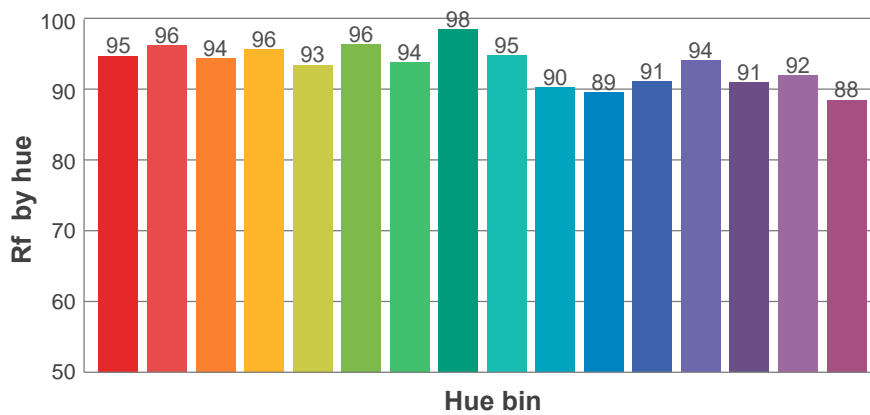
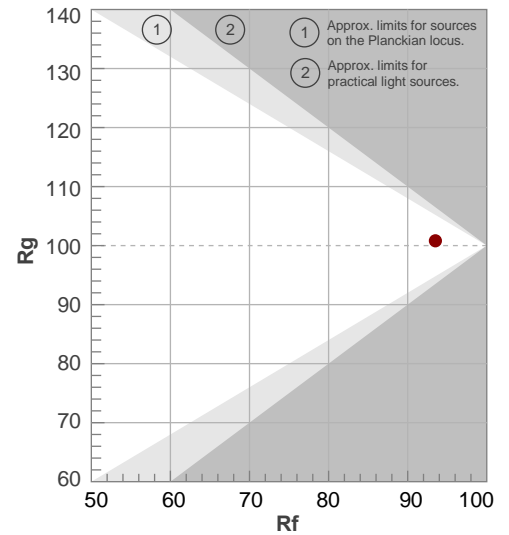
**Rf 93.5**

Fidelity index Rf

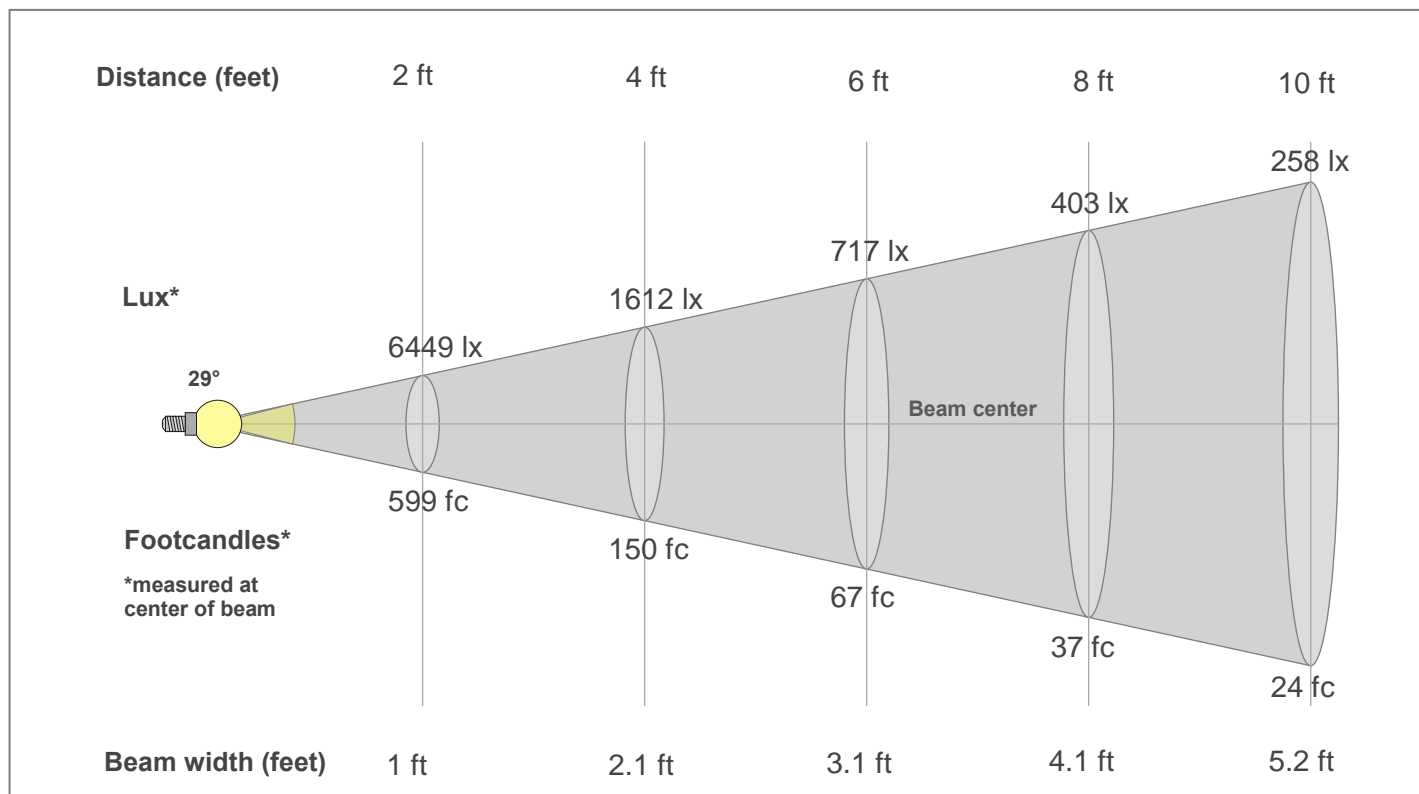
**Rg 100.8**

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%	1%
5	93	-3%	2%
6	96	2%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	0%	4%
10	90	0%	6%
11	89	2%	7%
12	91	6%	1%
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
2397lx	599lx	266lx	150lx	96lx	67lx	49lx	37lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
222.7fc	55.7fc	24.7fc	13.9fc	8.9fc	6.2fc	4.5fc	3.5fc	2.7fc	2.2fc	1.8fc	1.5fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

### 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°
2397	2366	2269	2118	1932	1716	1488	1254	1030	830	655	510	397	310	244	194	154	120	89	61
100%	99%	95%	88%	81%	72%	62%	52%	43%	35%	27%	21%	17%	13%	10%	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°
2397	2366	2269	2118	1932	1716	1488	1254	1030	830	655	510	397	310	244	194	154	120	89	61
100%	99%	95%	88%	81%	72%	62%	52%	43%	35%	27%	21%	17%	13%	10%	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°
2397	2366	2269	2118	1932	1716	1488	1254	1030	830	655	510	397	310	244	194	154	120	89	61
100%	99%	95%	88%	81%	72%	62%	52%	43%	35%	27%	21%	17%	13%	10%	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°
2397	2366	2269	2118	1932	1716	1488	1254	1030	830	655	510	397	310	244	194	154	120	89	61
100%	99%	95%	88%	81%	72%	62%	52%	43%	35%	27%	21%	17%	13%	10%	8%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29°	56.3°	76.2°	99.4%	98.6%