

## Photometric / Colorimetric / Electric Report

Fixture Model:

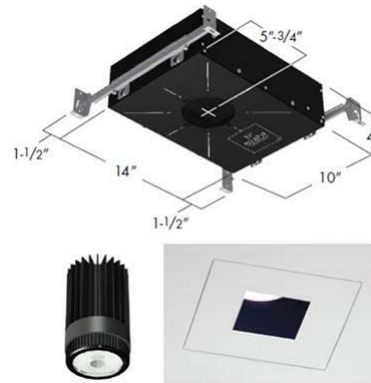
**804S-K2S-WD-4-15-PR1-8-350-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**8/6/2024**



Light efficiency:

**63 Lumen/Watt**

Light quality:

**CRI: 96.7**

Color temperature:

**2995 K**

CIE 1931:

**x: 0.436  
y: 0.401**

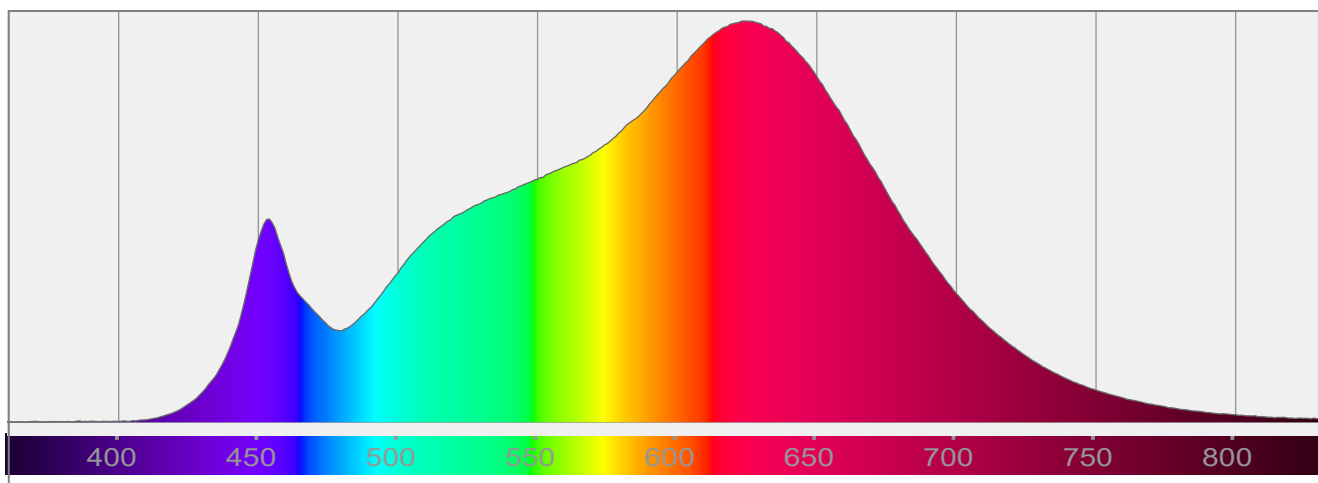
**Output: 916 lm**

**Peak: 4282 cd**

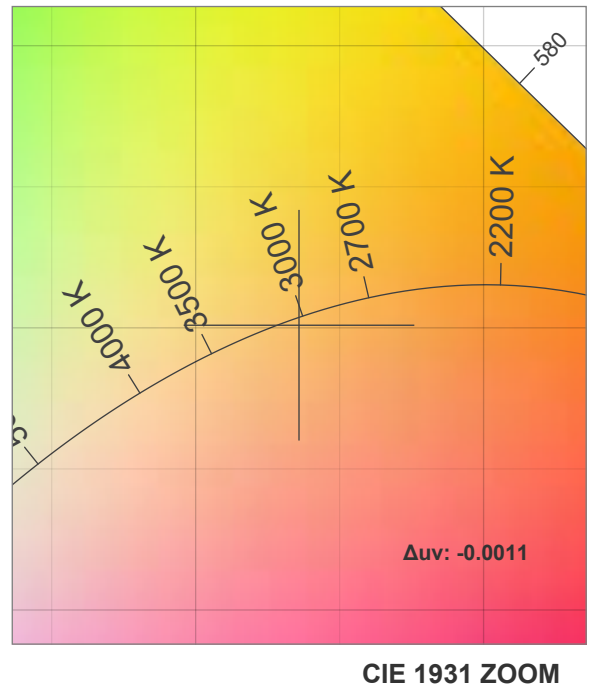
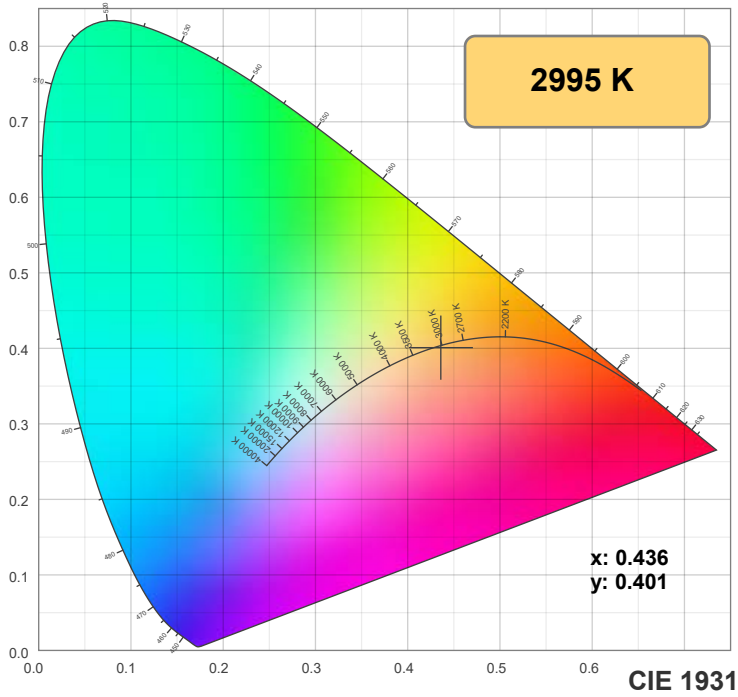
**Power: 14.6 W**

**PF: 0.99**

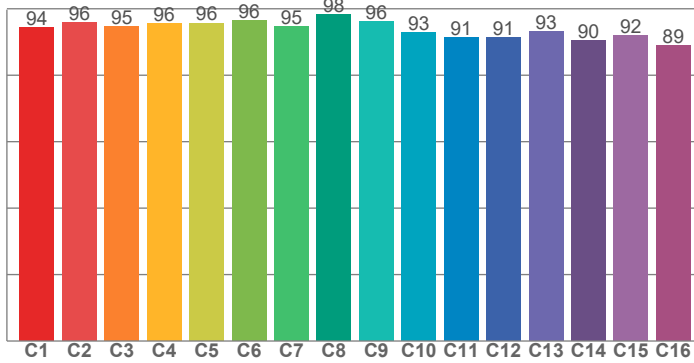
Spectra:



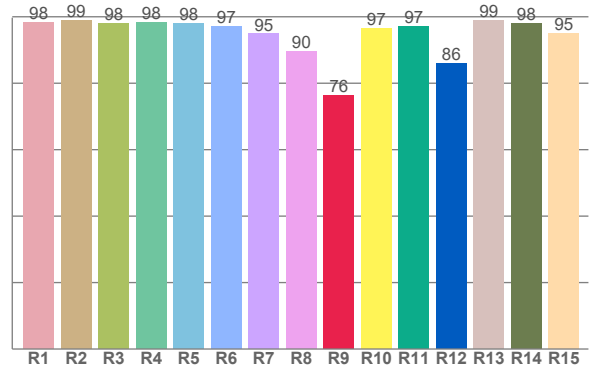
## Color Details



**TM-30: 94.0**



**CRI: 96.7 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.3	99.0	98.1	98.2	98.1	97.1	94.8	89.6	76.3	96.5	97.2	85.9	98.9	98.0	94.9

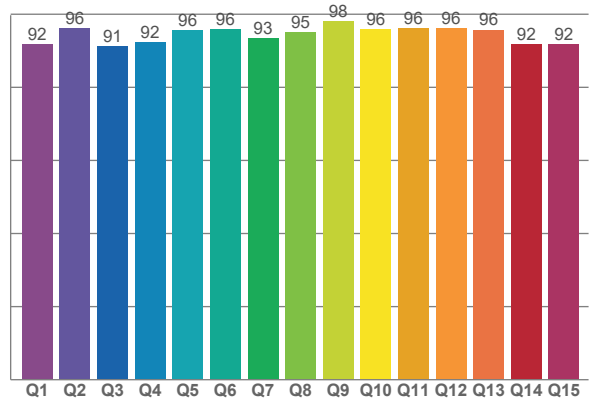
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.4	95.9	94.5	95.6	95.7	96.4	94.8	98.2	96.1	92.8	91.4	91.5	93.1	90.5	91.8	88.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.3	91.3	92.3	95.7	95.8	93.5	95.0	98.1	95.8	96.2	96.1	95.7	91.9	91.7

**CQS: 93.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2995 K	96.7	76.3	94.0	100.6	93.9	0.436	0.401	0.251	0.347	-0.0011

# TM-30 Details

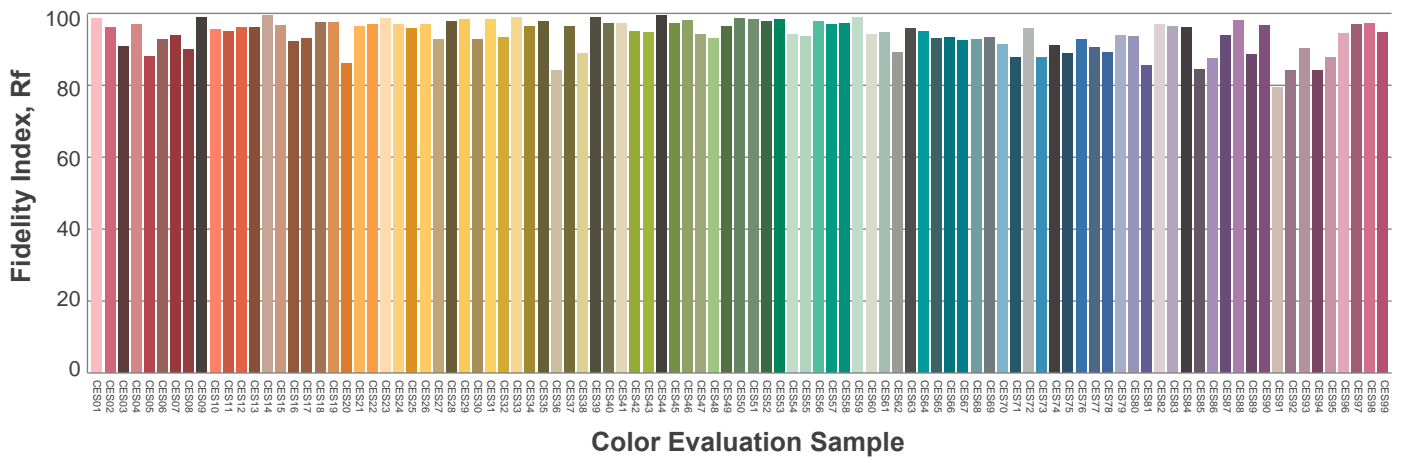
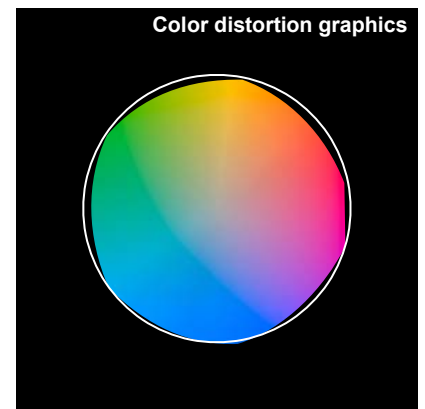
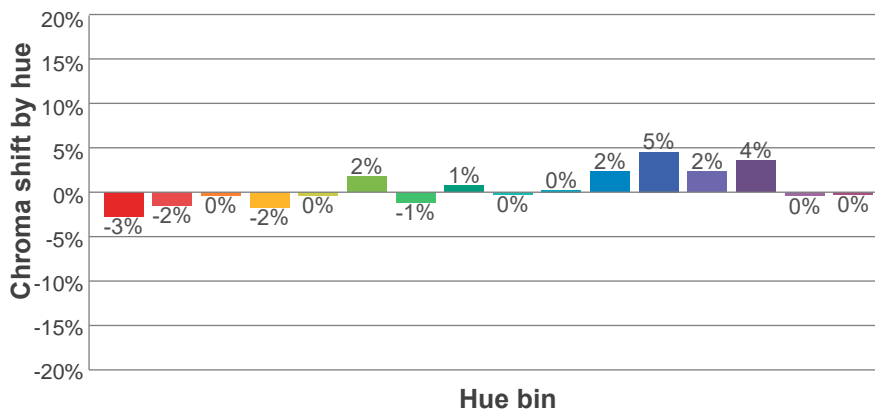
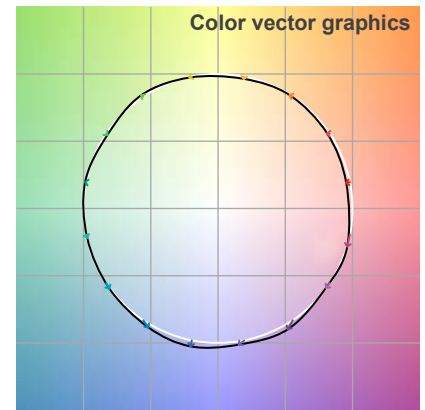
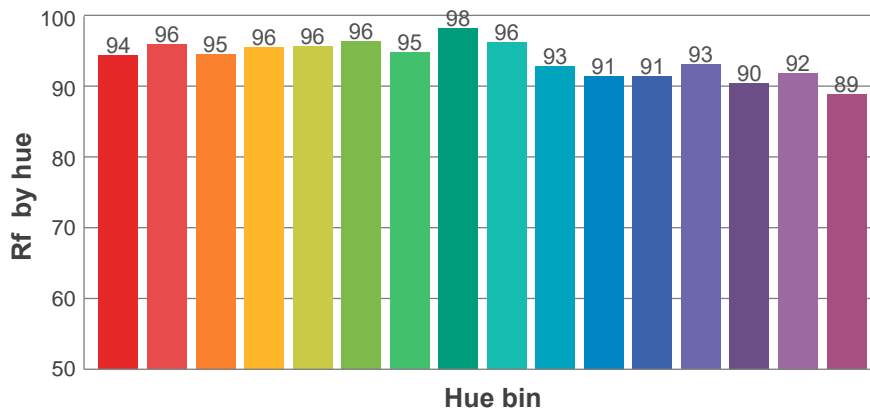
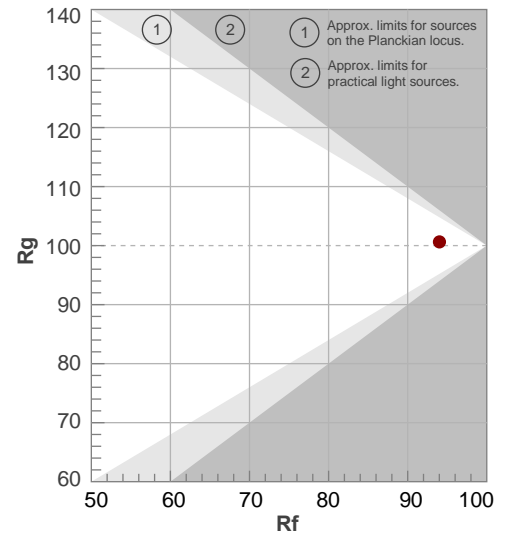
**Rf 94.0**

Fidelity index Rf

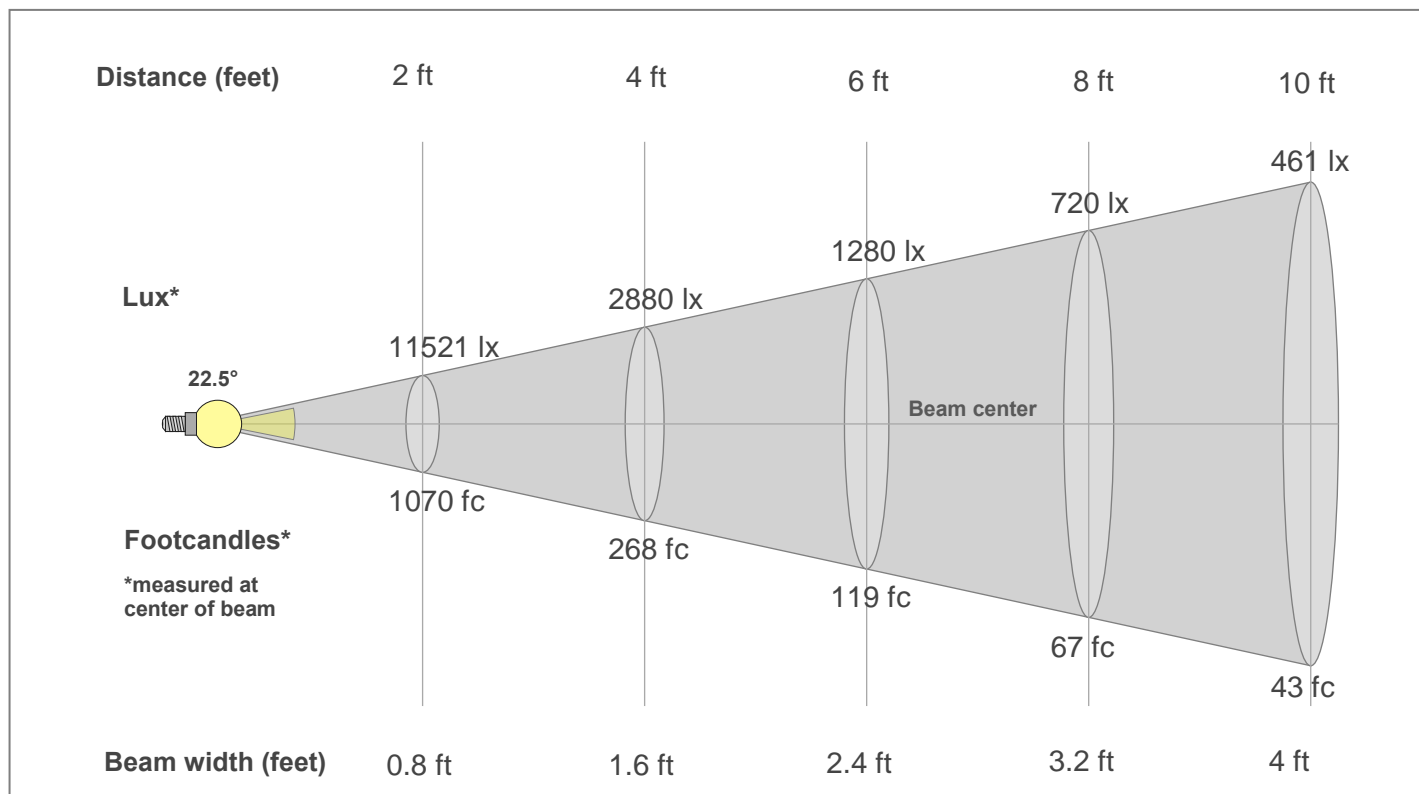
**Rg 100.6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	3%
4	96	-2%	0%
5	96	0%	2%
6	96	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	2%
10	93	0%	5%
11	91	2%	6%
12	91	5%	0%
13	93	2%	-5%
14	90	4%	-7%
15	92	0%	-4%
16	89	0%	-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
4281lx	1070lx	476lx	268lx	171lx	119lx	87lx	67lx	53lx	43lx	35lx	30lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
397.8fc	99.4fc	44.2fc	24.9fc	15.9fc	11fc	8.1fc	6.2fc	4.9fc	4fc	3.3fc	2.8fc	2.4fc	2fc	1.8fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc

### 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°
4281	4200	3939	3526	3007	2452	1928	1489	1139	870	659	499	383	297	232	178	132	94	66	45
100%	98%	92%	82%	70%	57%	45%	35%	27%	20%	15%	12%	9%	7%	5%	4%	3%	2%	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°
4281	4205	3980	3587	3080	2516	1975	1509	1143	864	654	498	379	292	227	173	127	92	65	46
100%	98%	93%	84%	72%	59%	46%	35%	27%	20%	15%	12%	9%	7%	5%	4%	3%	2%	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°
4281	4200	3939	3526	3007	2452	1928	1489	1139	870	659	499	383	297	232	178	132	94	66	45
100%	98%	92%	82%	70%	57%	45%	35%	27%	20%	15%	12%	9%	7%	5%	4%	3%	2%	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°
4281	4205	3980	3587	3080	2516	1975	1509	1143	864	654	498	379	292	227	173	127	92	65	46
100%	98%	93%	84%	72%	59%	46%	35%	27%	20%	15%	12%	9%	7%	5%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.5°	46.2°	66.4°	99.5%	98.9%