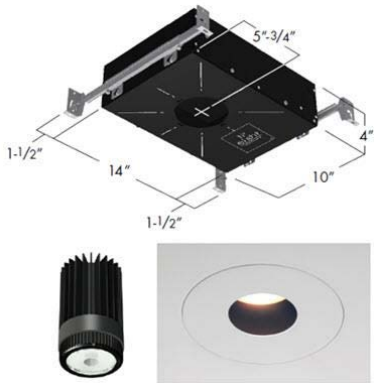


# Photometric / Colorimetric / Electric Report

**Fixture Model:**  
**804S-K2S-WD-4-15-PR1-8-350-FR-P-1-WH**

**Trim Model:**  
**FR-P-1-WH**

**Date:**  
**8/6/2024**



**Light efficiency:**

**61 Lumen/Watt**

**Light quality:**

**CRI: 96.7**

**Color temperature:**

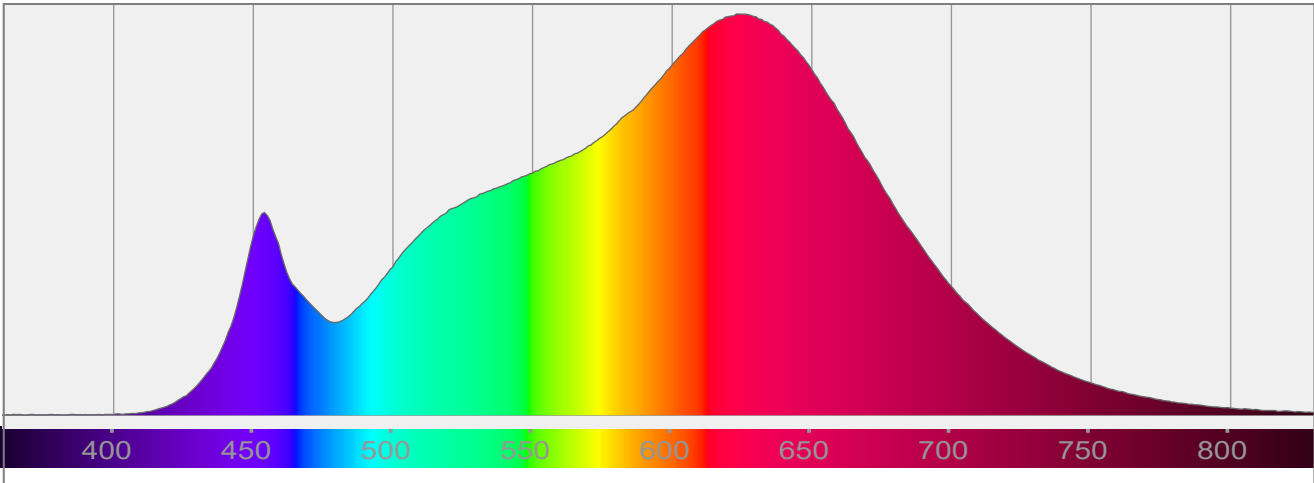
**2991 K**

**CIE 1931:**

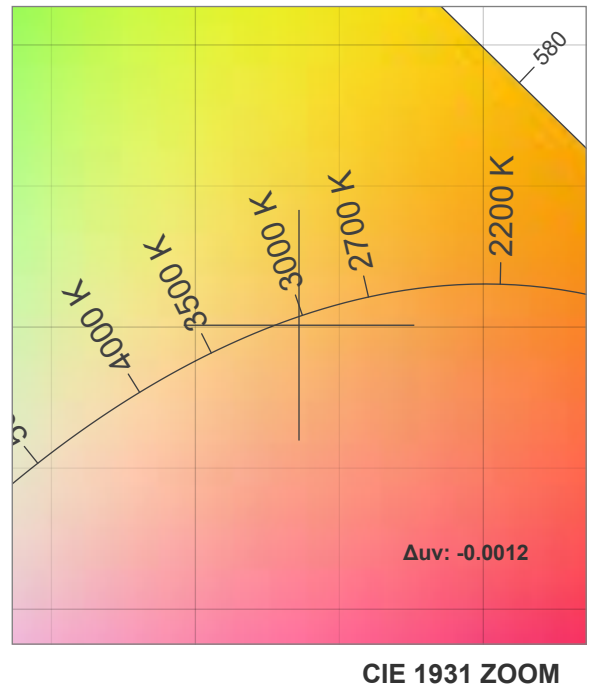
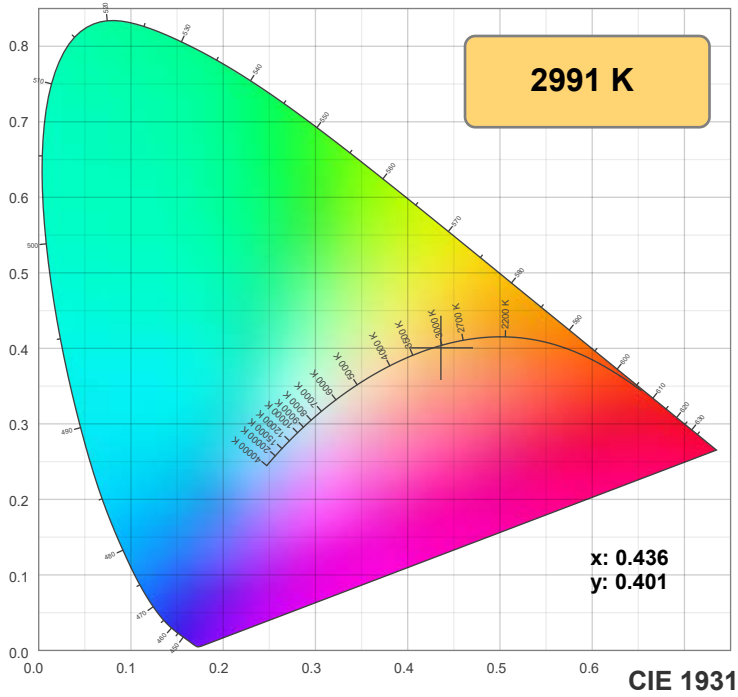
**x: 0.436**  
**y: 0.401**

**Output: 889 lm**  
**Peak: 4223 cd**  
**Power: 14.6 W**  
**PF: 0.99**

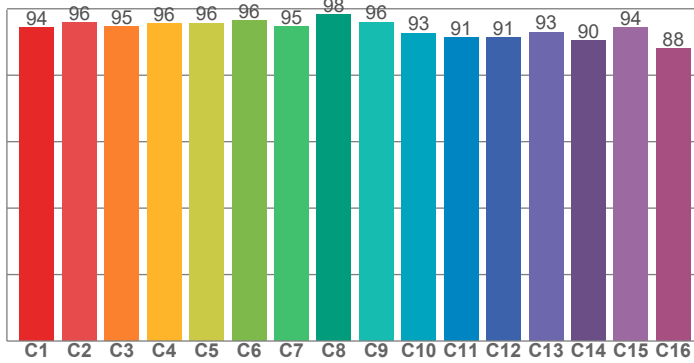
**Spectra:**



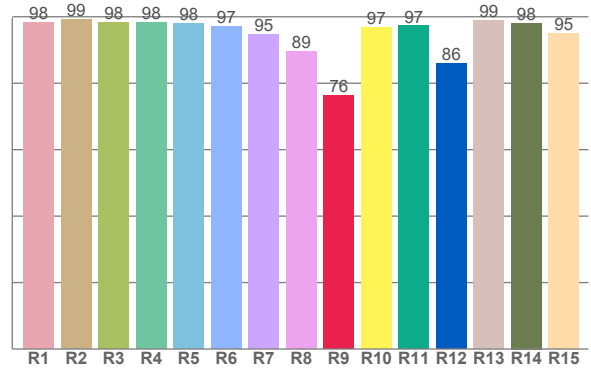
## Color Details



**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	99.1	98.3	98.2	98.1	97.0	94.7	89.5	76.3	96.8	97.2	86.0	99.0	98.1	94.9

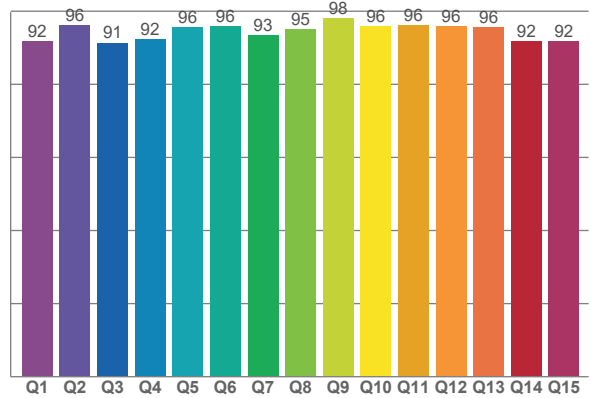
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.3	95.8	94.6	95.5	95.7	96.4	94.7	98.3	96.0	92.7	91.5	91.5	93.0	90.4	94.3	88.1

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	91.4	92.3	95.6	96.0	93.5	94.9	98.1	95.9	96.2	96.0	95.6	91.8	91.7

**CQS: 93.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2991 K	96.7	76.3	94.0	100.4	93.9	0.436	0.401	0.251	0.347	-0.0012

# TM-30 Details

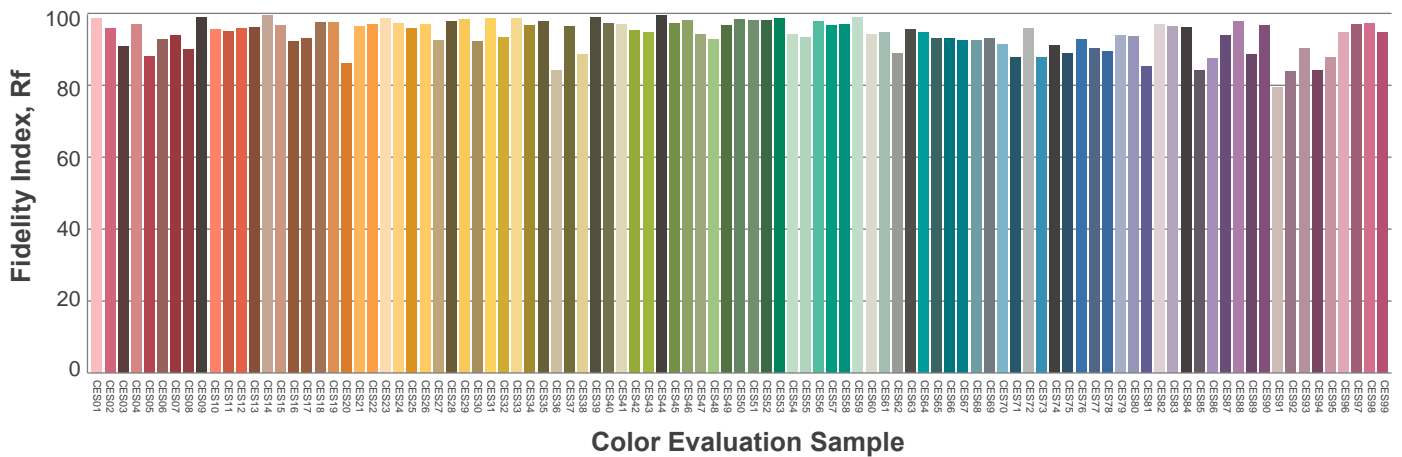
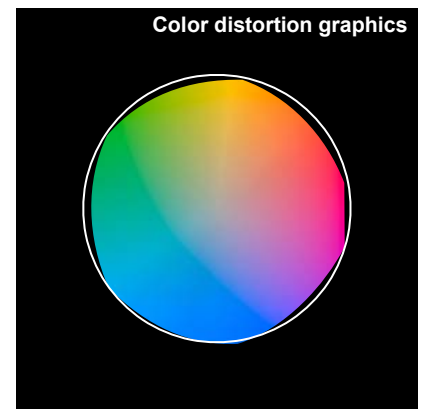
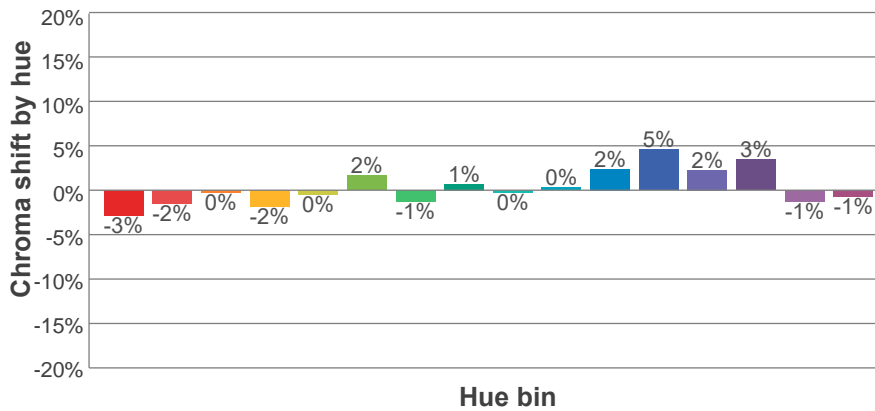
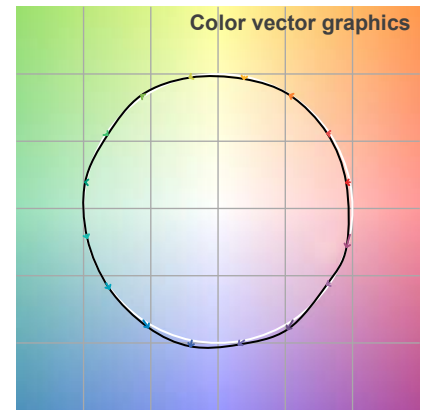
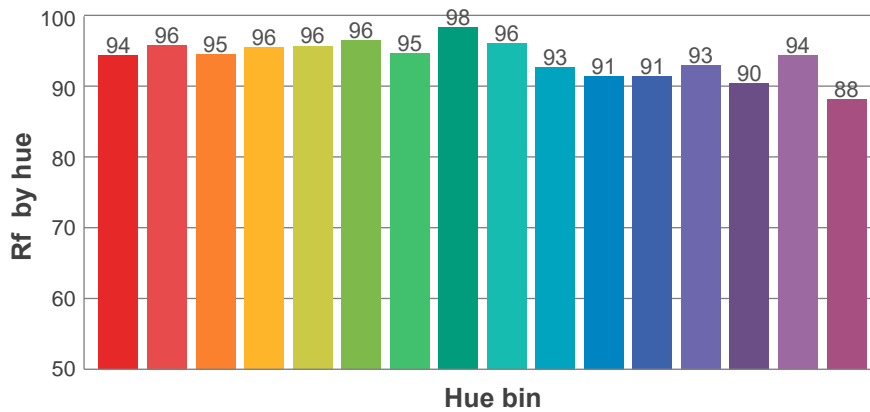
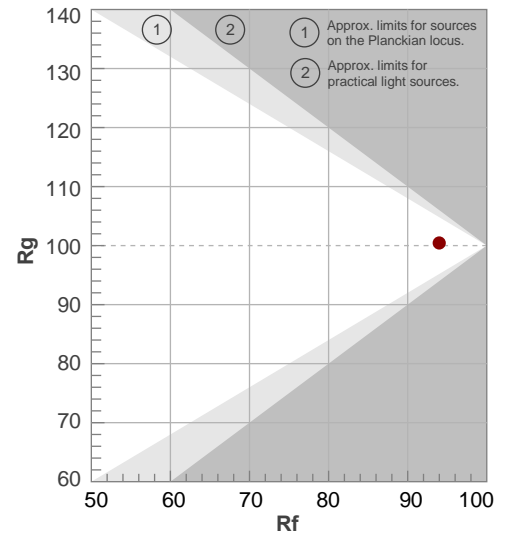
**Rf 94.0**

Fidelity index Rf

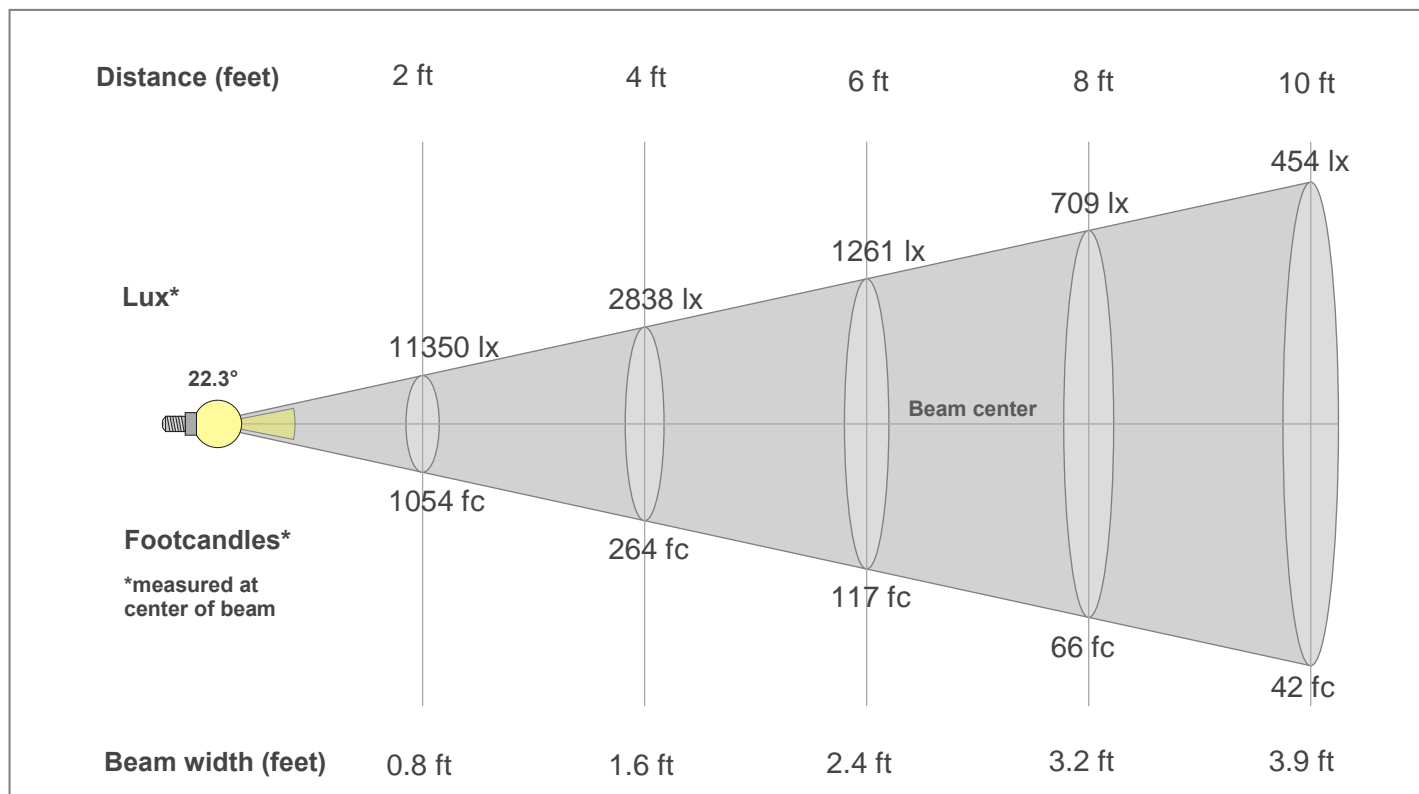
**Rg 100.4**

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	3%	-7%
15	94	-1%	-2%
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
4218lx	1054lx	469lx	264lx	169lx	117lx	86lx	66lx	52lx	42lx	35lx	29lx	25lx	22lx	19lx	16lx	15lx	13lx	12lx	11lx
391.8fc	98fc	43.5fc	24.5fc	15.7fc	10.9fc	8fc	6.1fc	4.8fc	3.9fc	3.2fc	2.7fc	2.3fc	2fc	1.7fc	1.5fc	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°
4218	4138	3874	3458	2937	2383	1875	1447	1111	849	647	491	377	293	227	173	126	89	60	40
100%	98%	92%	82%	70%	56%	44%	34%	26%	20%	15%	12%	9%	7%	5%	4%	3%	2%	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°
4218	4139	3911	3519	3010	2449	1916	1462	1106	837	638	485	370	286	222	168	121	86	61	41
100%	98%	93%	83%	71%	58%	45%	35%	26%	20%	15%	12%	9%	7%	5%	4%	3%	2%	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°
4218	4138	3874	3458	2937	2383	1875	1447	1111	849	647	491	377	293	227	173	126	89	60	40
100%	98%	92%	82%	70%	56%	44%	34%	26%	20%	15%	12%	9%	7%	5%	4%	3%	2%	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°
4218	4139	3911	3519	3010	2449	1916	1462	1106	837	638	485	370	286	222	168	121	86	61	41
100%	98%	93%	83%	71%	58%	45%	35%	26%	20%	15%	12%	9%	7%	5%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.3°	46.2°	65.9°	99.6%	99.2%