

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-K5-WD-4-25-PR1-8.5-350-FS-LG-P-1-WH-NL**

Trim Model:

**FS-LG-P-1-WH/NL**

Date:

**8/5/2024**



Light efficiency:

**60 Lumen/Watt**

Light quality:

**CRI: 96.7**

Color temperature:

**3010 K**

CIE 1931:

**x: 0.435  
y: 0.401**

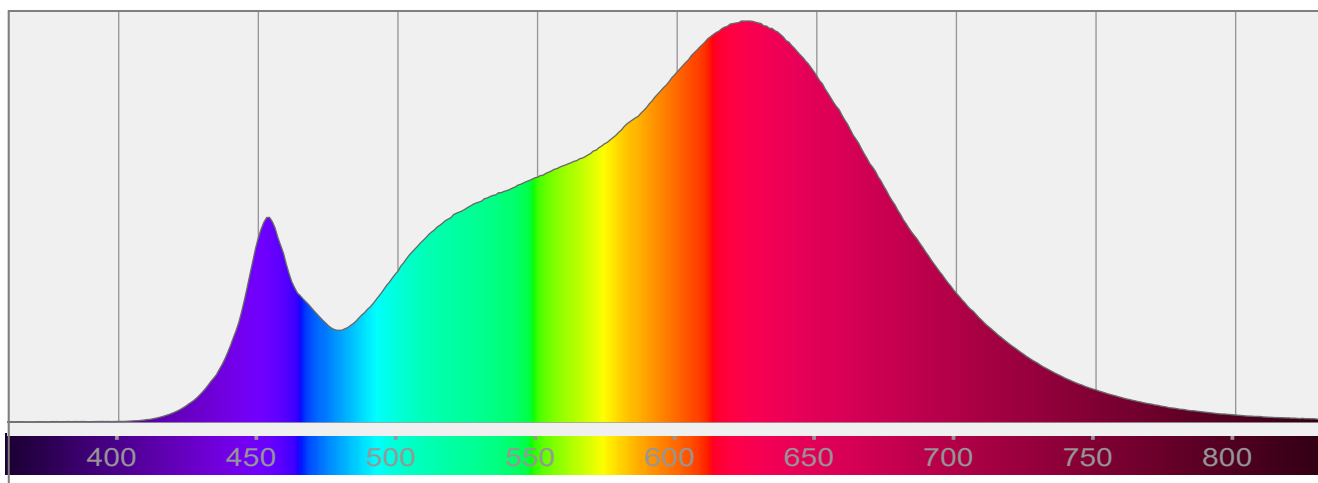
**Output: 880 lm**

**Peak: 2565 cd**

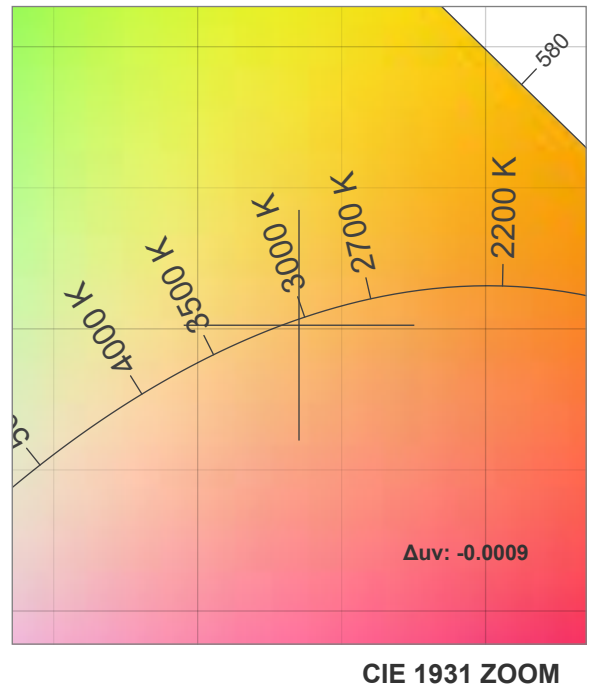
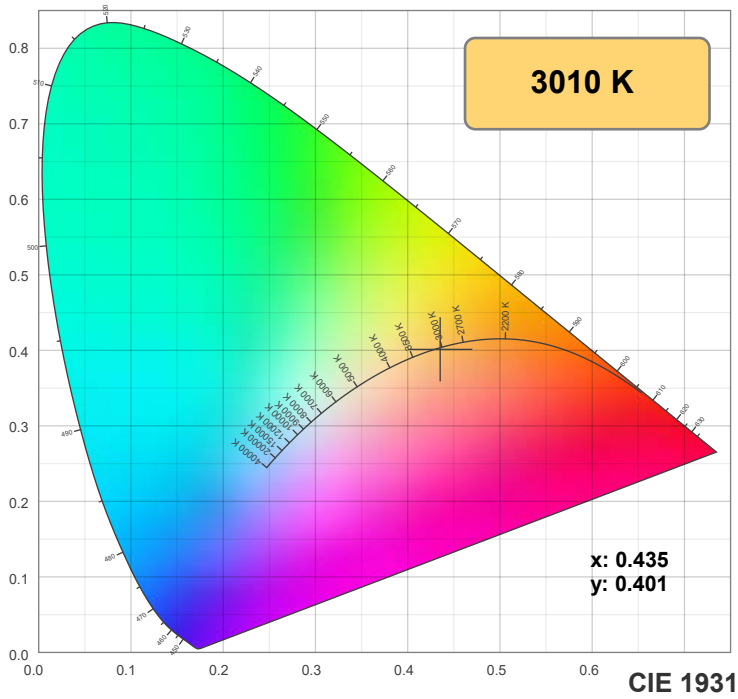
**Power: 14.7 W**

**PF: 0.99**

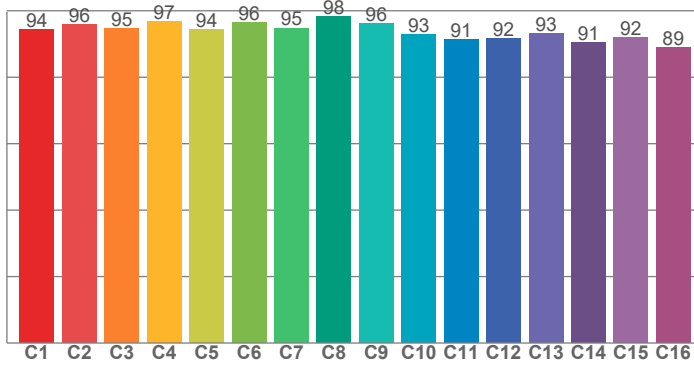
Spectra:



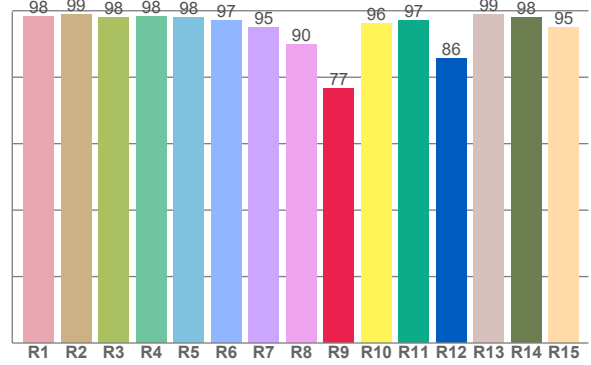
## Color Details



**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	98.9	98.0	98.3	98.0	97.2	95.0	89.8	76.6	96.3	97.2	85.7	98.9	97.9	94.9

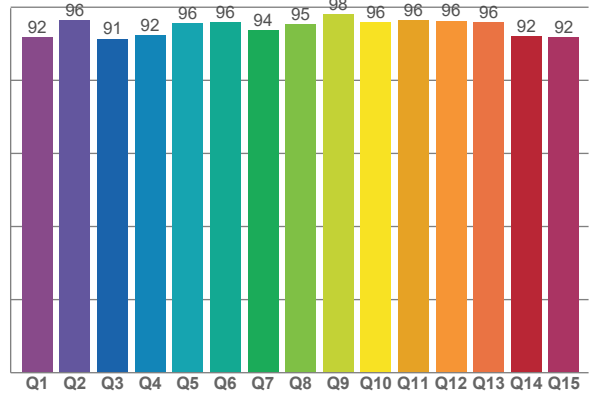
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.4	96.0	94.7	96.7	94.4	96.5	94.8	98.3	96.1	92.7	91.4	91.5	93.2	90.6	91.9	88.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.9	96.3	91.4	92.4	95.7	95.9	93.7	95.2	98.1	95.9	96.4	96.3	96.0	92.0	91.8

**CQS: 94.1**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3010 K	96.7	76.6	94.0	100.5	94.1	0.435	0.401	0.251	0.347	-0.0009

# TM-30 Details

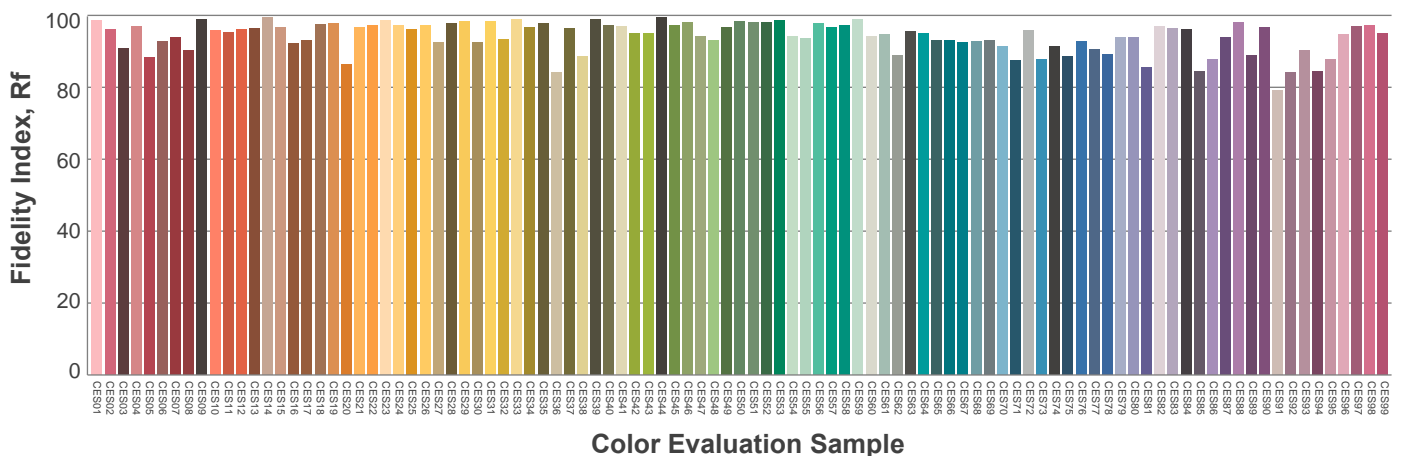
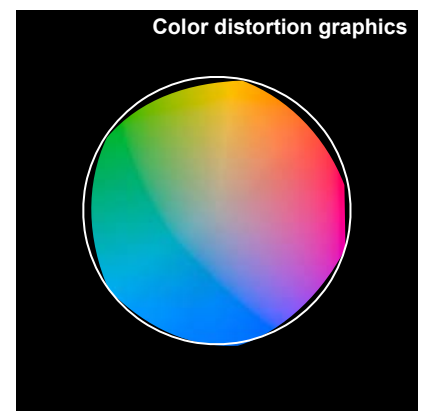
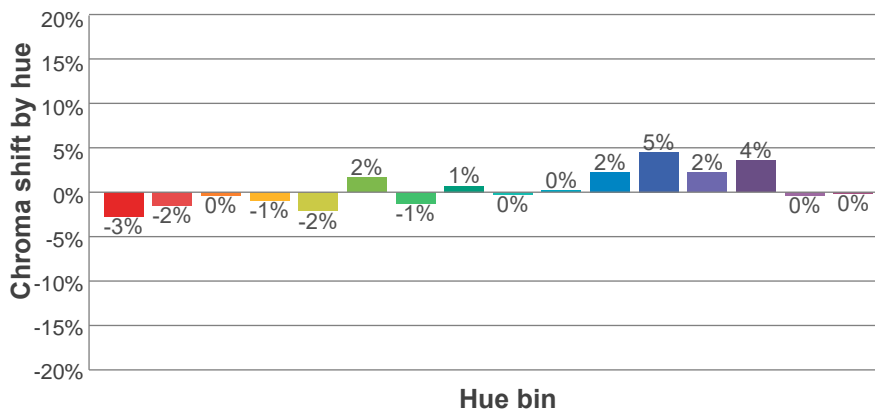
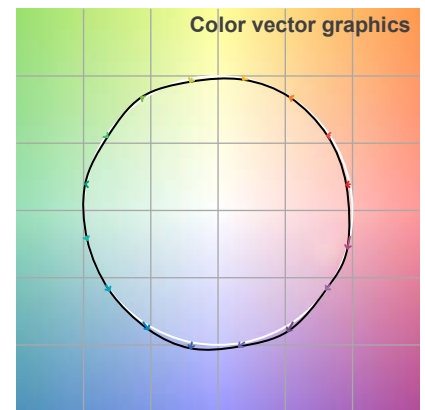
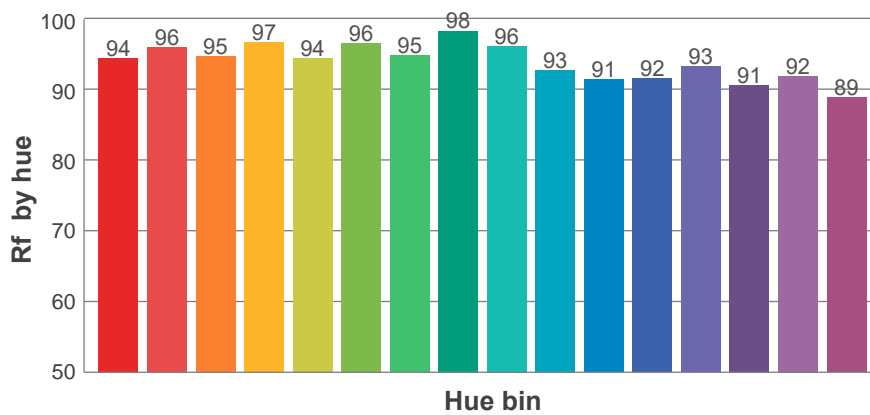
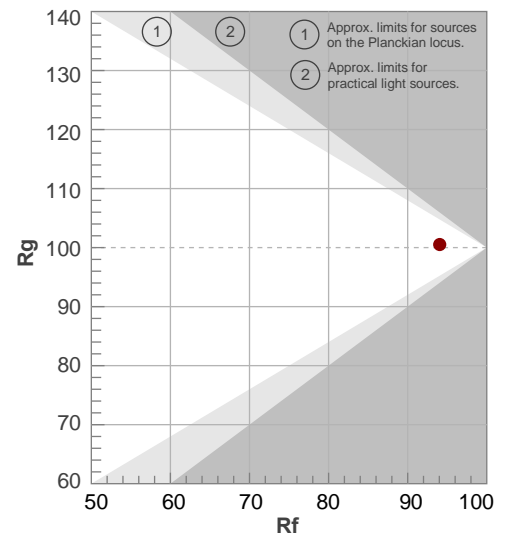
**Rf 94.0**

Fidelity index Rf

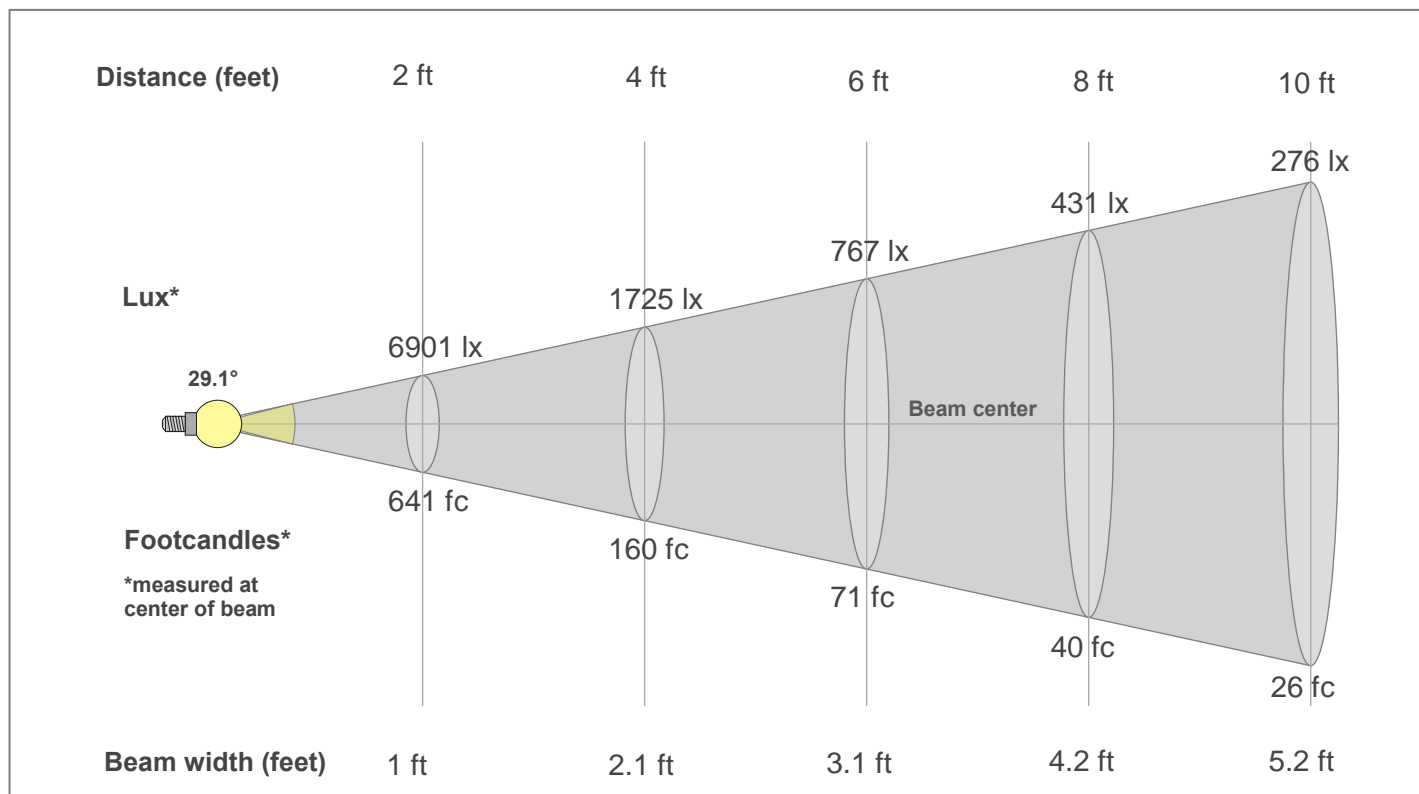
**Rg 100.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	97	-1%	0%
5	94	-2%	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	92	5%	0%
13	93	2%	-4%
14	91	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
2564lx	641lx	285lx	160lx	103lx	71lx	52lx	40lx	32lx	26lx	21lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
238.2fc	59.6fc	26.5fc	14.9fc	9.5fc	6.6fc	4.9fc	3.7fc	2.9fc	2.4fc	2fc	1.7fc	1.4fc	1.2fc	1.1fc	0.9fc	0.8fc	0.7fc	0.7fc	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°
2564	2531	2429	2269	2068	1841	1598	1352	1115	900	715	559	440	345	275	221	181	150	126	106
100%	99%	95%	88%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	11%	9%	7%	6%	5%	4%

### 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°
2564	2533	2432	2270	2070	1842	1599	1350	1114	896	709	552	431	337	266	214	174	144	121	102
100%	99%	95%	89%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	10%	8%	7%	6%	5%	4%

### 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°
2564	2531	2429	2269	2068	1841	1598	1352	1115	900	715	559	440	345	275	221	181	150	126	106
100%	99%	95%	88%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	11%	9%	7%	6%	5%	4%

### 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°
2564	2533	2432	2270	2070	1842	1599	1350	1114	896	709	552	431	337	266	214	174	144	121	102
100%	99%	95%	89%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	10%	8%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.1°	57°	88.1°	99.3%	95.4%