

## Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

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

Date:

**7/3/2023**



Light efficiency:

**59 Lumen/Watt**

Light quality:

**CRI: 97.3**

Color temperature:

**3109 K**

CIE 1931:

**x: 0.428  
y: 0.398**

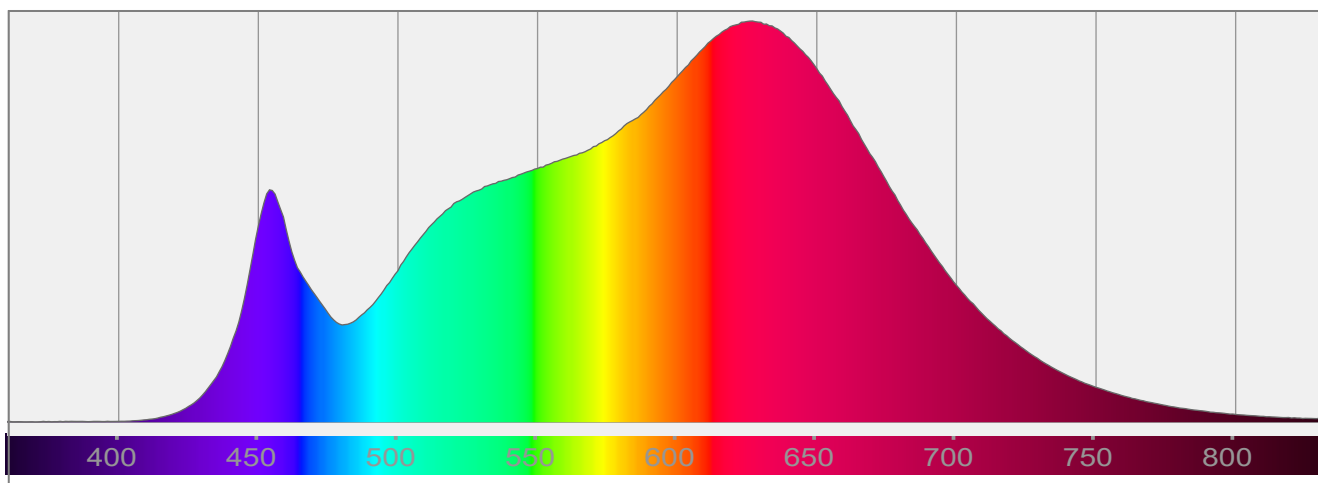
**Output: 859 lm**

**Peak: 2431 cd**

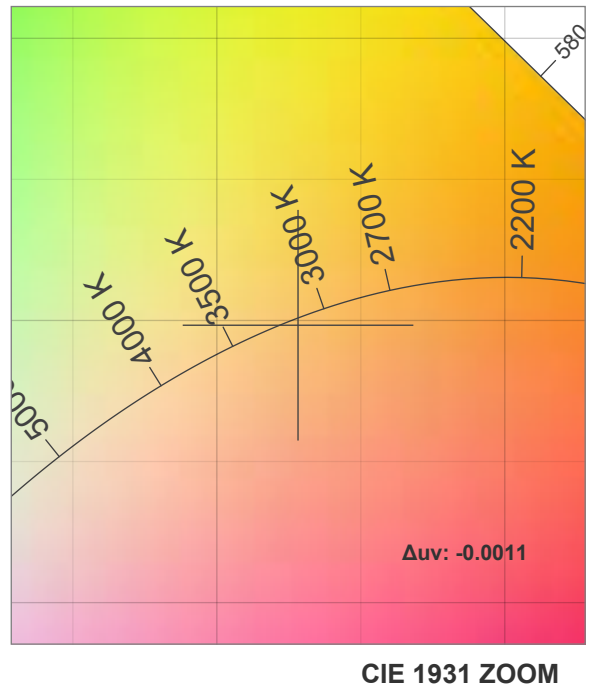
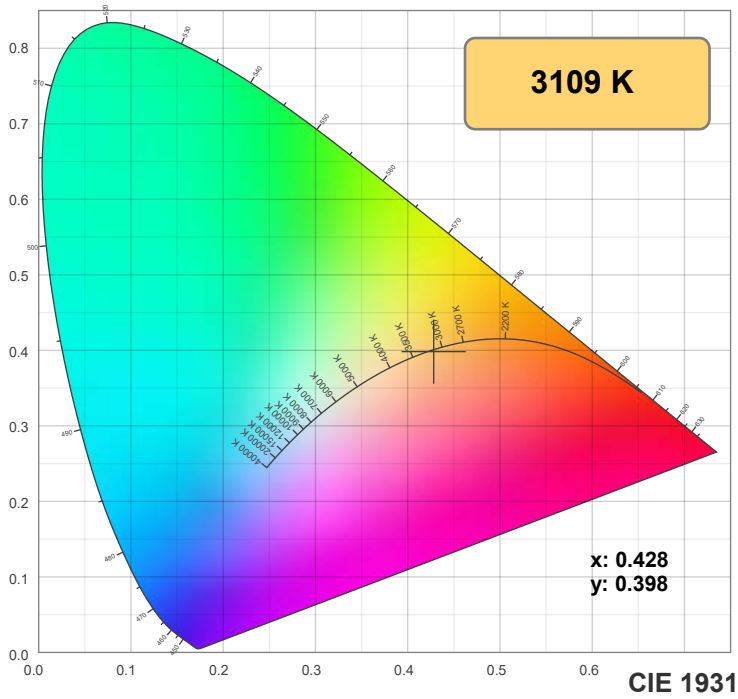
**Power: 14.6 W**

**PF: 0.99**

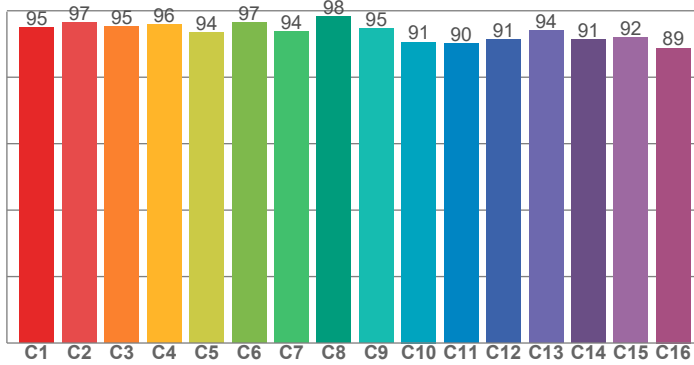
Spectra:



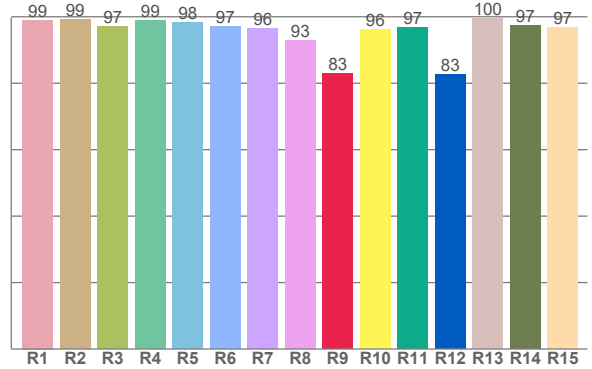
## Color Details



**TM-30: 93.7**



**CRI: 97.3 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.0	99.1	97.0	98.8	98.4	97.0	96.4	92.8	82.9	96.2	96.9	82.6	99.6	97.3	96.7

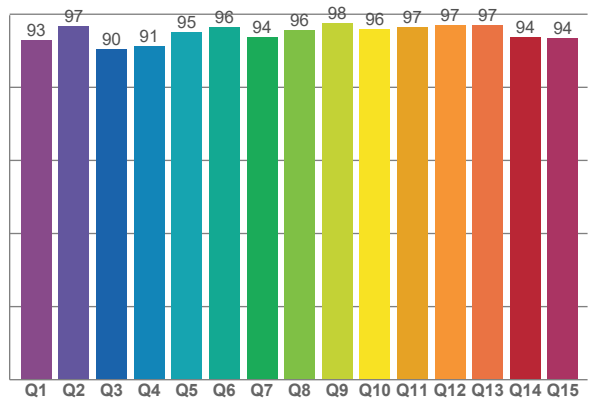
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.5	95.2	95.7	93.6	96.6	93.8	98.3	94.7	90.6	90.0	91.3	94.1	91.2	92.0	88.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	96.8	90.4	91.2	95.0	96.5	93.7	95.6	97.5	95.9	96.5	96.9	96.9	93.8	93.5

**CQS: 94.3**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3109 K	97.3	82.9	93.7	100.8	94.3	0.428	0.398	0.247	0.345	-0.0011

# TM-30 Details

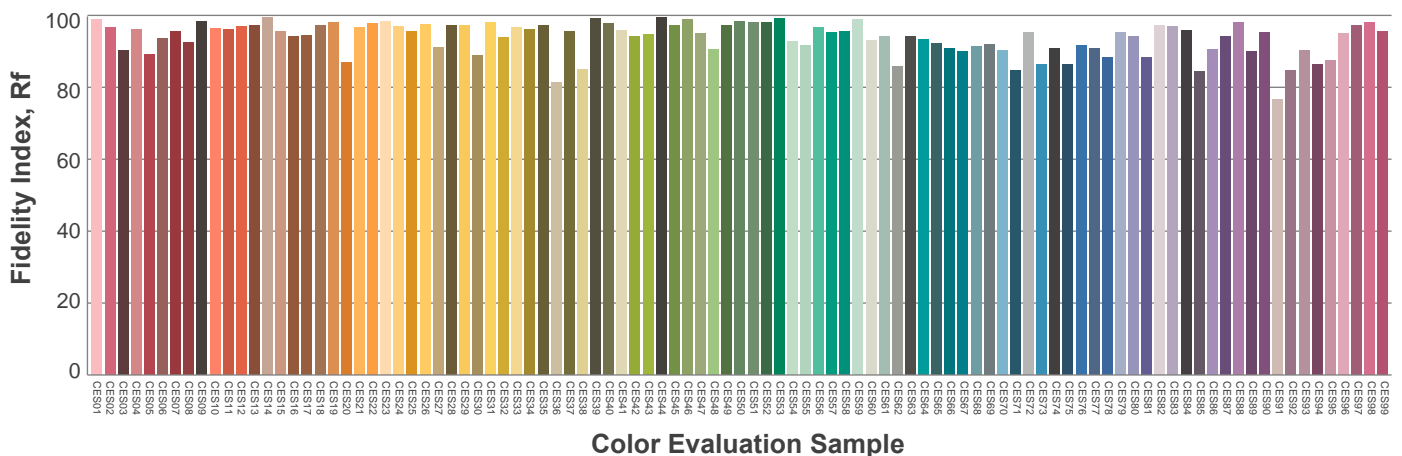
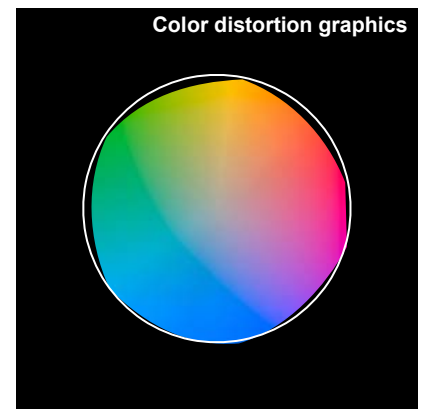
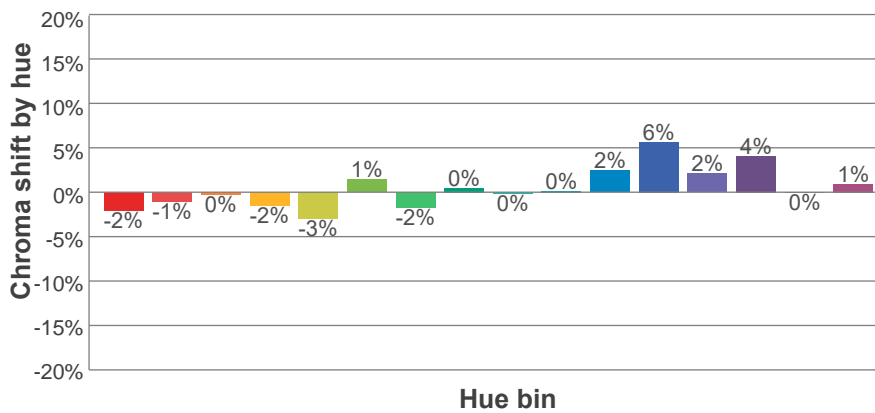
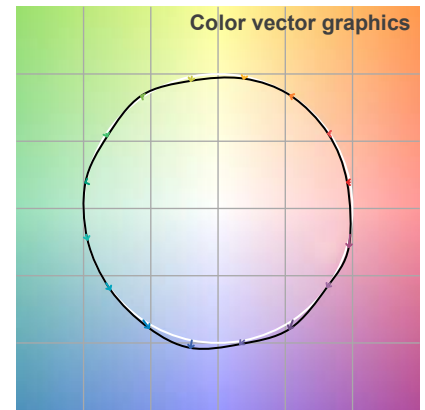
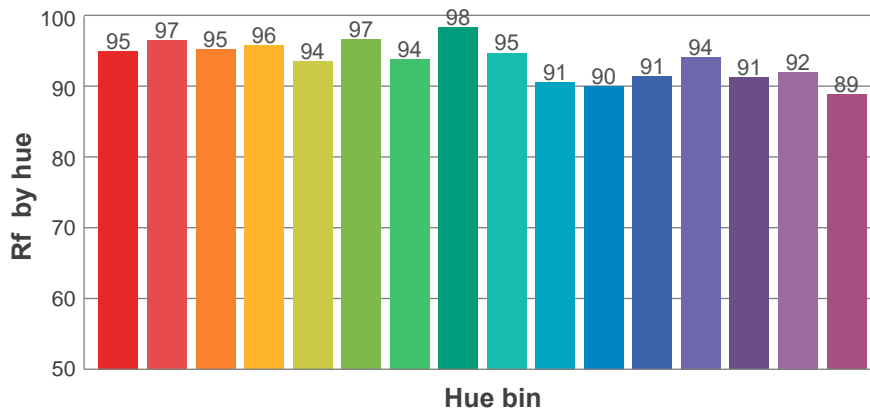
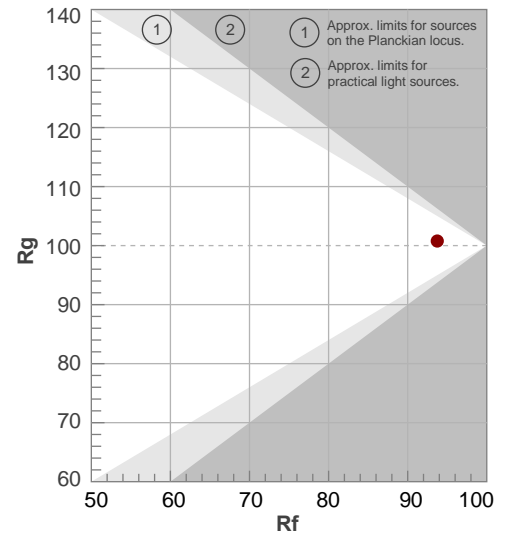
**Rf 93.7**

Fidelity index Rf

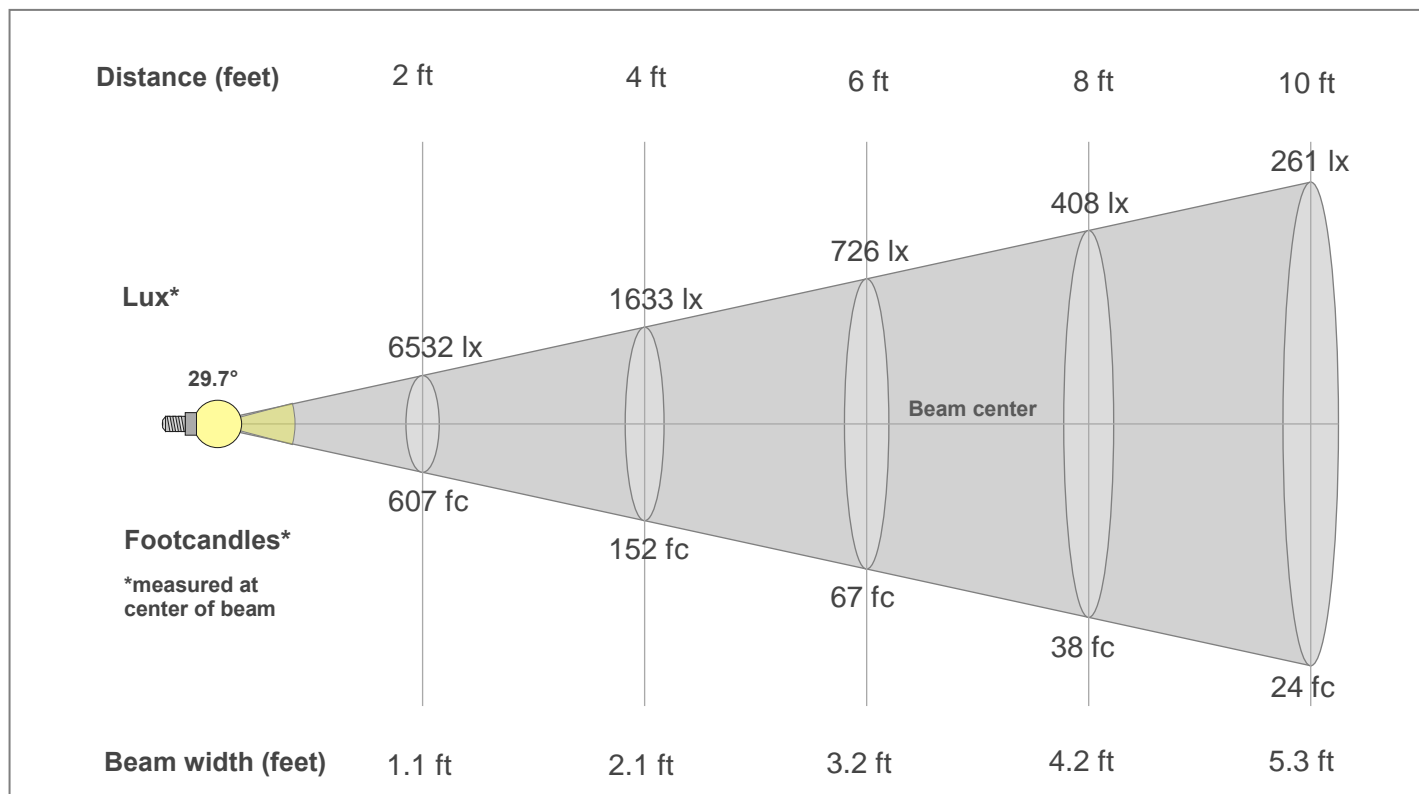
**Rg 100.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-2%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	0%	4%
10	91	0%	6%
11	90	2%	7%
12	91	6%	0%
13	94	2%	-4%
14	91	4%	-6%
15	92	0%	-3%
16	89	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
2427lx	607lx	270lx	152lx	97lx	67lx	50lx	38lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
225.5fc	56.4fc	25.1fc	14.1fc	9fc	6.3fc	4.6fc	3.5fc	2.8fc	2.3fc	1.9fc	1.6fc	1.3fc	1.2fc	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°
2427	2398	2306	2161	1982	1775	1548	1316	1090	880	699	546	428	334	265	213	174	144	120	101
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	22%	18%	14%	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°
2427	2393	2302	2157	1976	1768	1543	1311	1085	879	699	549	434	341	273	222	182	151	127	107
100%	99%	95%	89%	81%	73%	64%	54%	45%	36%	29%	23%	18%	14%	11%	9%	8%	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°
2427	2398	2306	2161	1982	1775	1548	1316	1090	880	699	546	428	334	265	213	174	144	120	101
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	22%	18%	14%	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°
2427	2393	2302	2157	1976	1768	1543	1311	1085	879	699	549	434	341	273	222	182	151	127	107
100%	99%	95%	89%	81%	73%	64%	54%	45%	36%	29%	23%	18%	14%	11%	9%	8%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.7°	57.9°	88.7°	99.3%	95.4%