

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-J5-WD-25-PR1-8.5-350-FS-LG-P-1-WH-NL**

Trim Model:

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

Date:

**1/23/2024**



Light efficiency:

**57 Lumen/Watt**

Light quality:

**CRI: 97.3**

Color temperature:

**3126 K**

CIE 1931:

**x: 0.427  
y: 0.399**

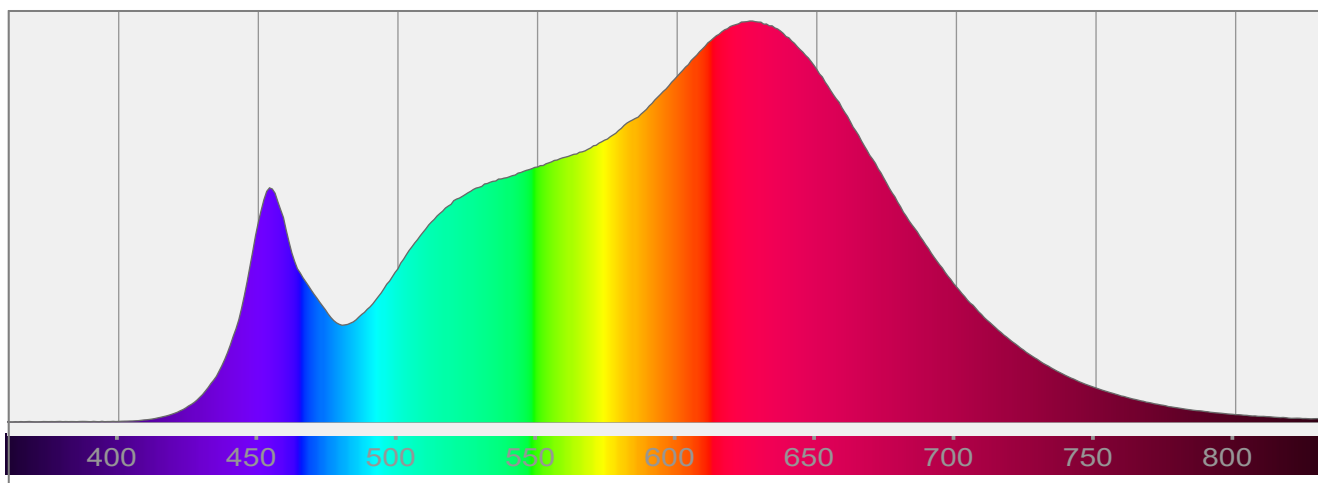
**Output: 830 lm**

**Peak: 2423 cd**

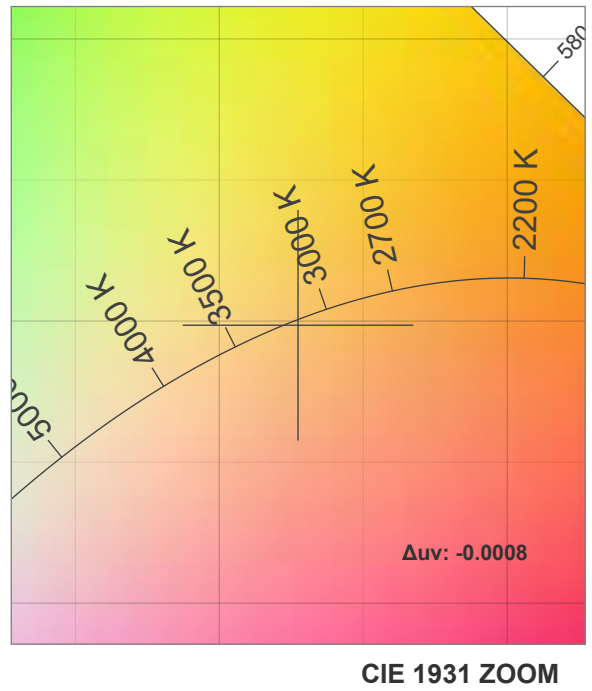
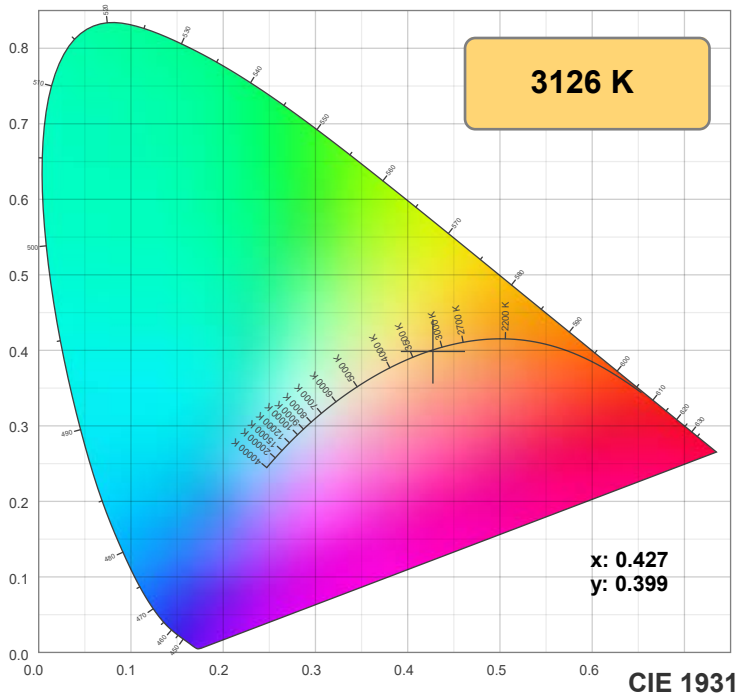
**Power: 14.6 W**

**PF: 0.99**

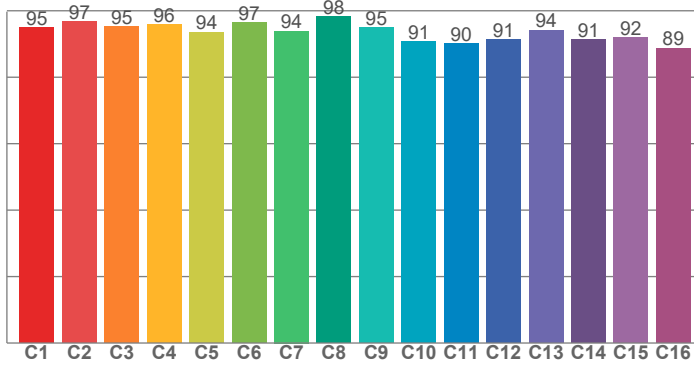
Spectra:



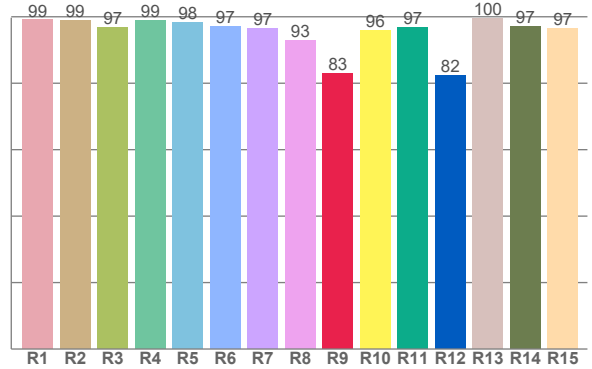
## Color Details



**TM-30: 93.8**



**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	99.0	96.8	98.8	98.4	97.1	96.5	92.9	82.8	95.9	96.7	82.4	99.6	97.2	96.6

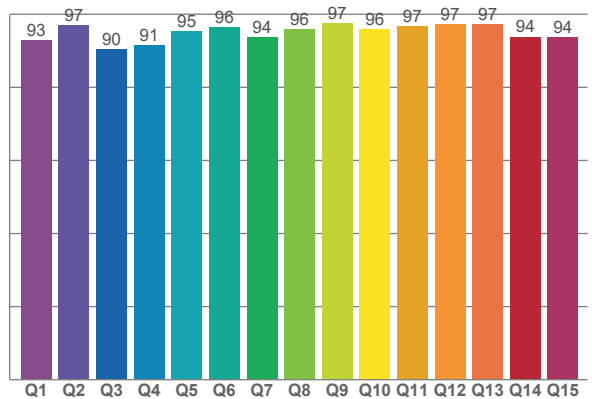
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	96.6	95.2	95.8	93.6	96.5	93.9	98.3	94.9	90.7	90.1	91.4	94.2	91.3	92.0	88.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.0	96.9	90.5	91.4	95.3	96.4	93.8	95.8	97.5	95.9	96.7	97.2	97.2	93.8	93.6

**CQS: 94.4**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3126 K	97.3	82.8	93.8	100.8	94.4	0.427	0.399	0.247	0.345	-0.0008

# TM-30 Details

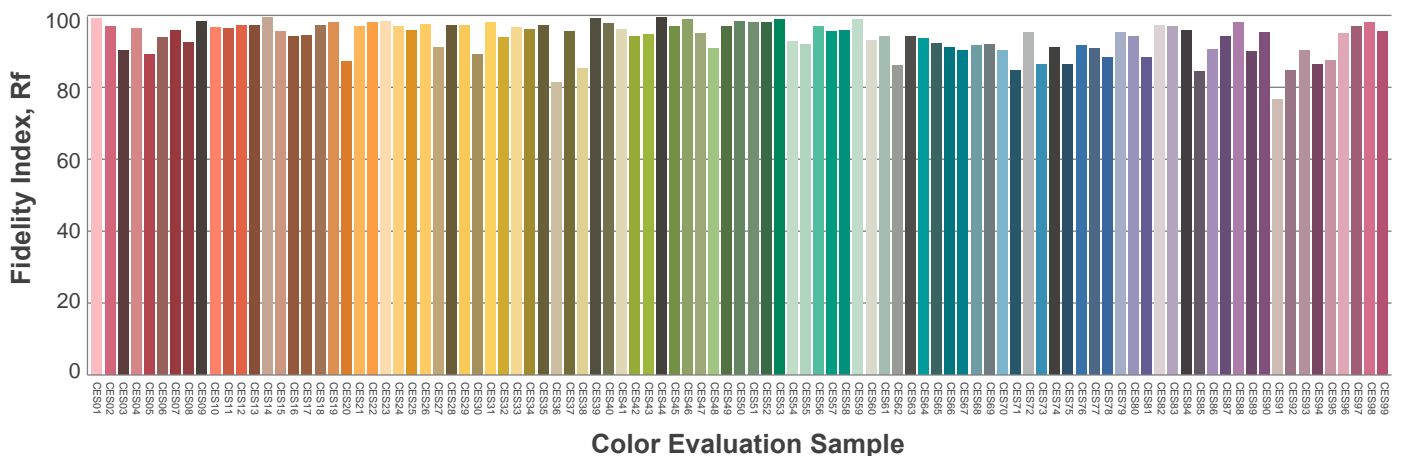
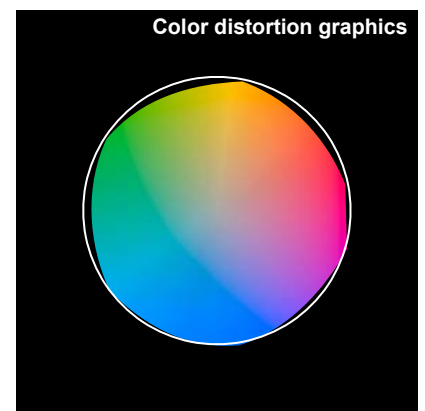
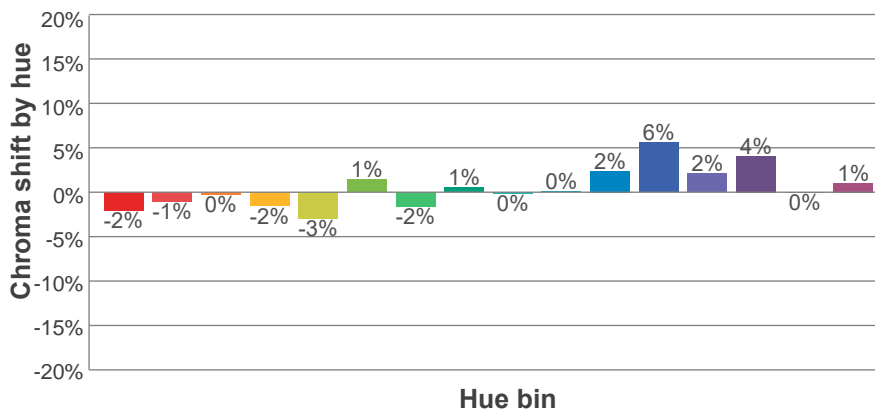
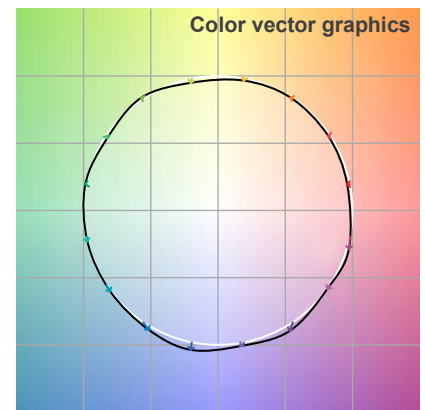
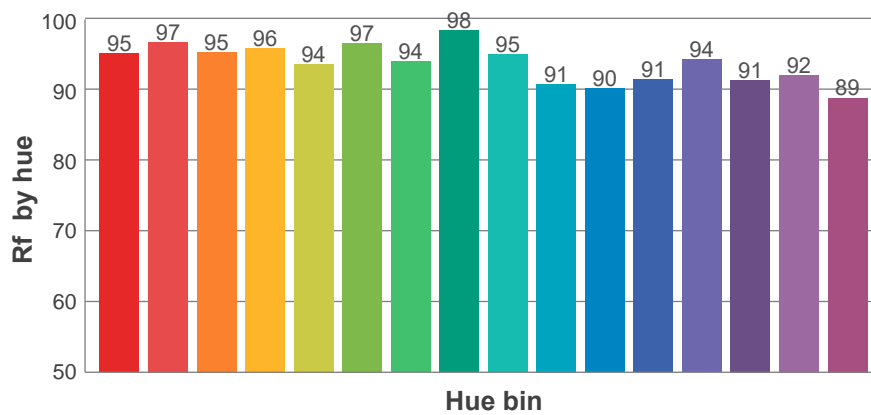
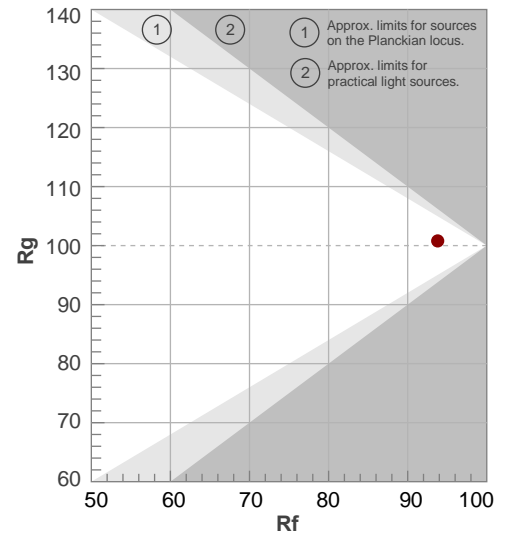
**Rf 93.8**

Fidelity index Rf

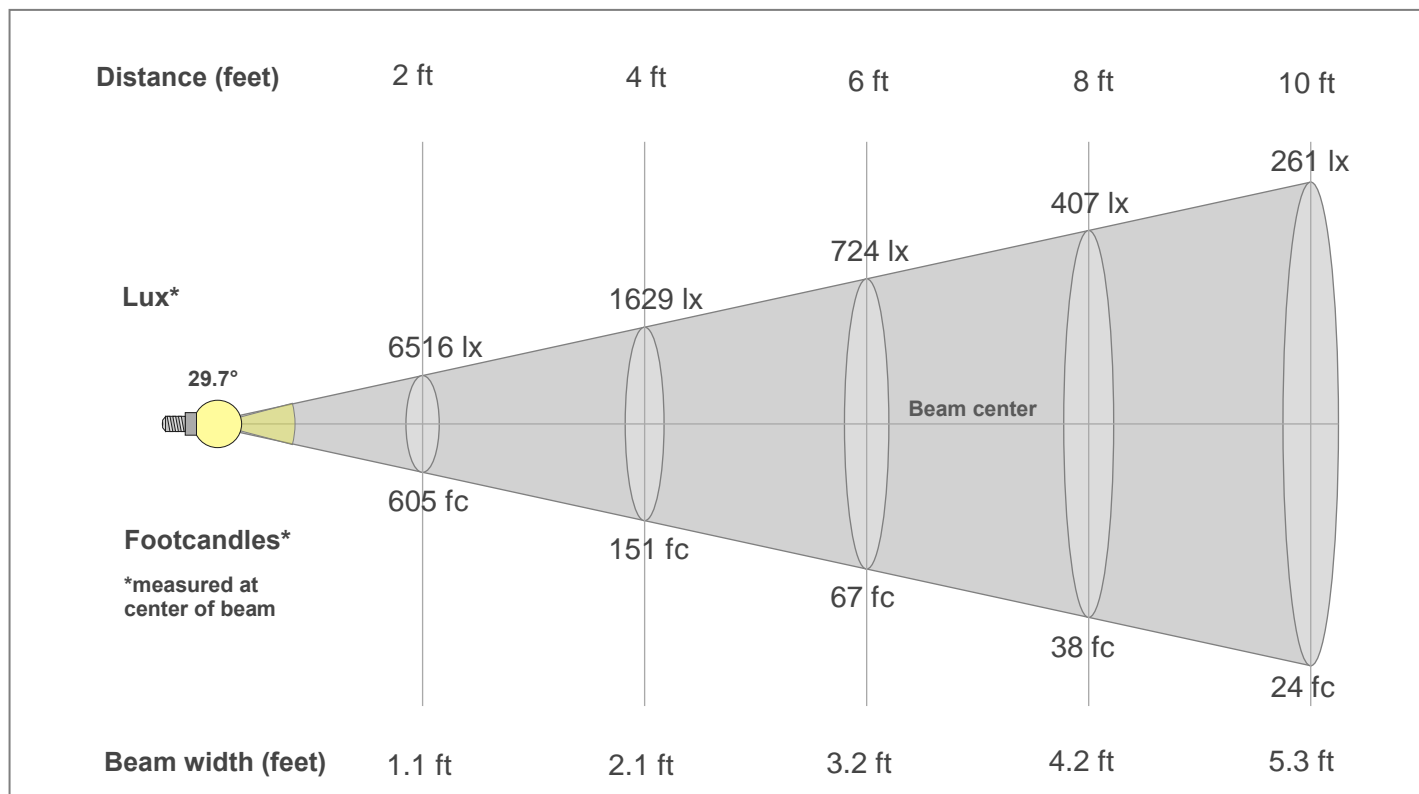
**Rg 100.8**

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	1%	0%
9	95	0%	4%
10	91	0%	5%
11	90	2%	7%
12	91	6%	0%
13	94	2%	-3%
14	91	4%	-5%
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
2421lx	605lx	269lx	151lx	97lx	67lx	49lx	38lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
225fc	56.2fc	25fc	14.1fc	9fc	6.2fc	4.6fc	3.5fc	2.8fc	2.2fc	1.9fc	1.6fc	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°
2421	2391	2298	2155	1976	1770	1543	1311	1084	877	697	546	431	338	270	218	179	147	121	101
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	23%	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°
2421	2388	2296	2150	1971	1764	1541	1309	1086	876	694	542	424	331	262	211	171	140	115	95
100%	99%	95%	89%	81%	73%	64%	54%	45%	36%	29%	22%	17%	14%	11%	9%	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°
2421	2391	2298	2155	1976	1770	1543	1311	1084	877	697	546	431	338	270	218	179	147	121	101
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	23%	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°
2421	2388	2296	2150	1971	1764	1541	1309	1086	876	694	542	424	331	262	211	171	140	115	95
100%	99%	95%	89%	81%	73%	64%	54%	45%	36%	29%	22%	17%	14%	11%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.7°	57.7°	85.1°	99.6%	97.5%