

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-J5-WD-15-PR1-8.5-350-FR-LG-P-1-WH-NL**

Trim Model:

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

Date:

**1/18/2024**



Light efficiency:

**62 Lumen/Watt**

Light quality:

**CRI: 97.3**

Color temperature:

**3116 K**

CIE 1931:

**x: 0.428  
y: 0.399**

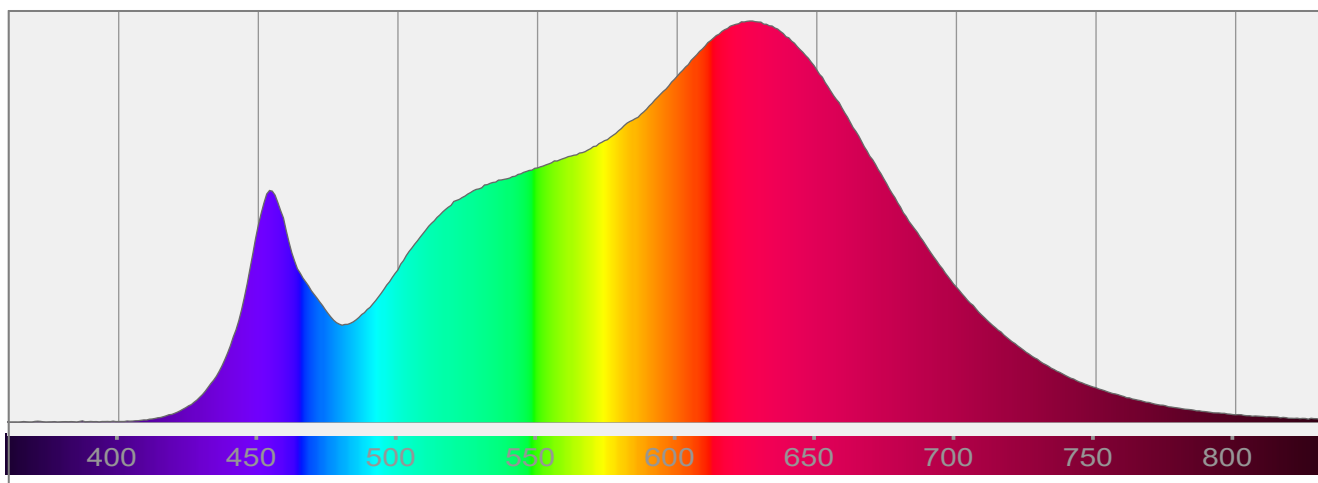
**Output: 907 lm**

**Peak: 3809 cd**

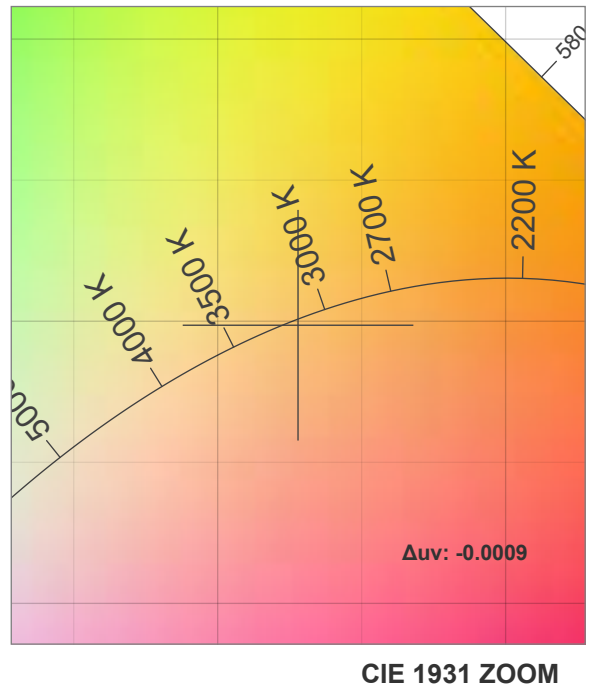
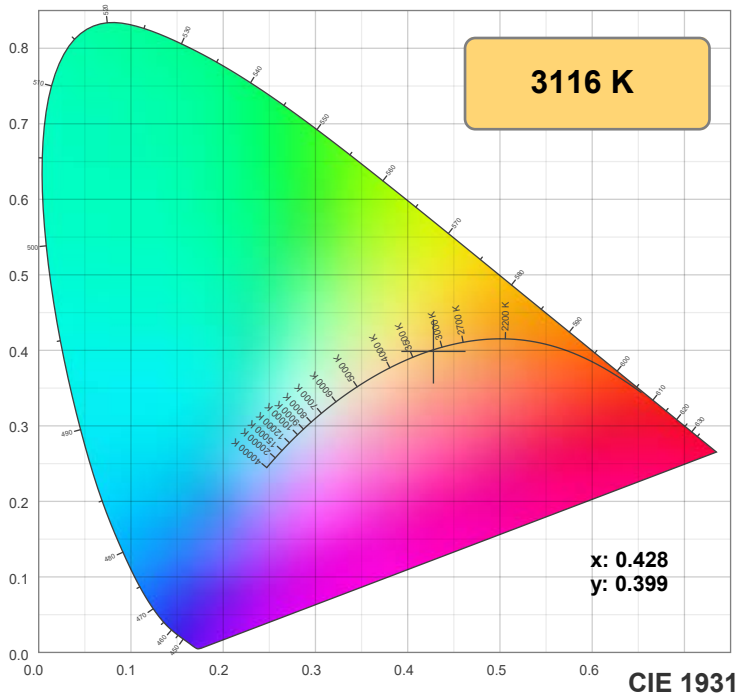
**Power: 14.7 W**

**PF: 0.99**

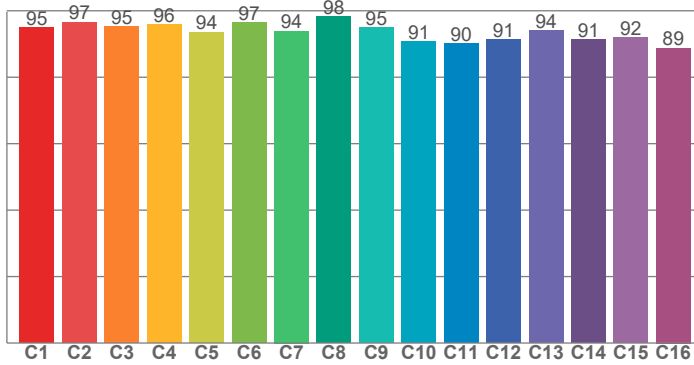
Spectra:



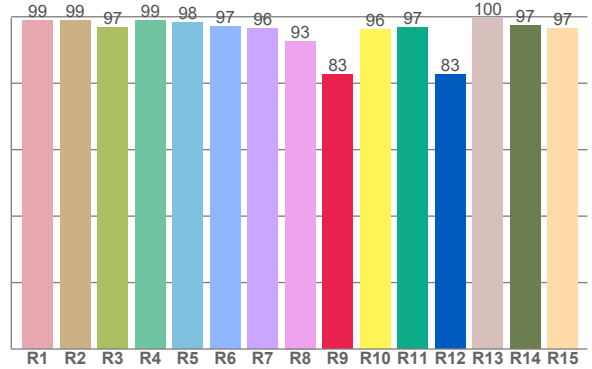
## Color Details



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	96.9	98.8	98.4	97.1	96.4	92.7	82.5	96.1	96.8	82.6	99.6	97.3	96.5

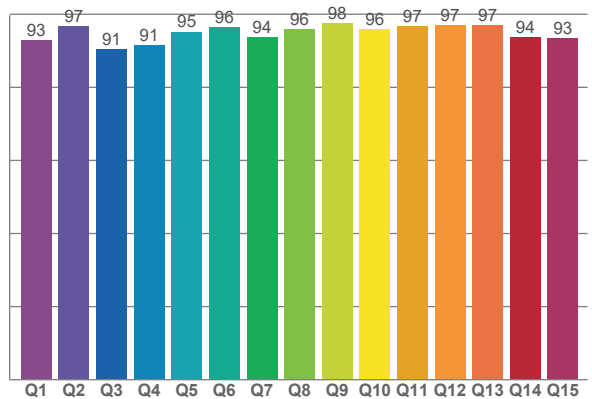
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.6	95.2	95.8	93.6	96.6	93.9	98.3	94.8	90.7	90.1	91.4	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	90.5	91.4	95.2	96.5	93.7	95.8	97.5	95.9	96.7	97.1	97.1	93.7	93.5

CQS: 94.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3116 K	97.3	82.5	93.8	100.8	94.4	0.428	0.399	0.247	0.345	-0.0009

# TM-30 Details

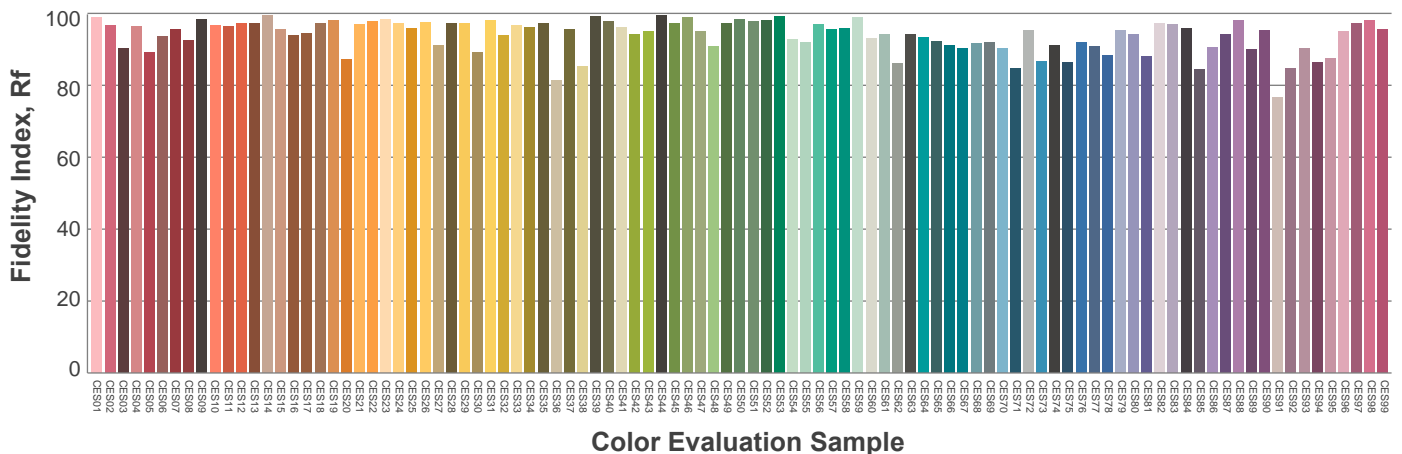
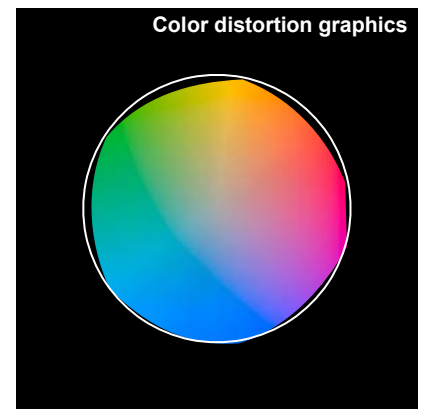
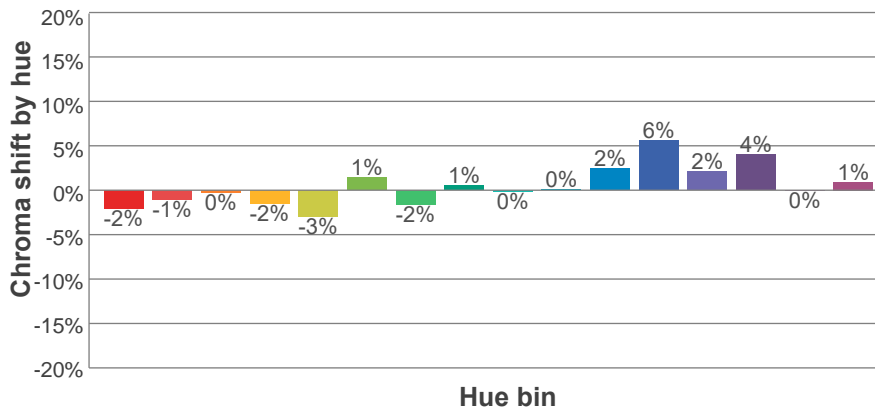
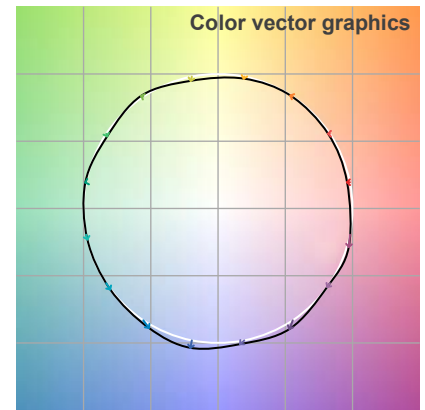
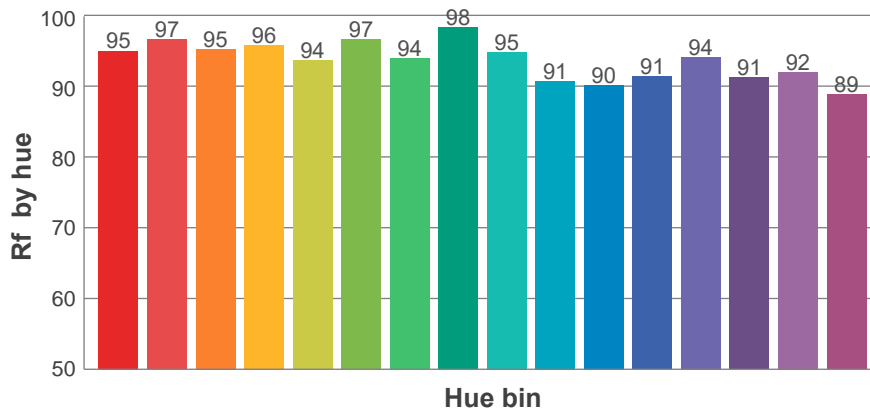
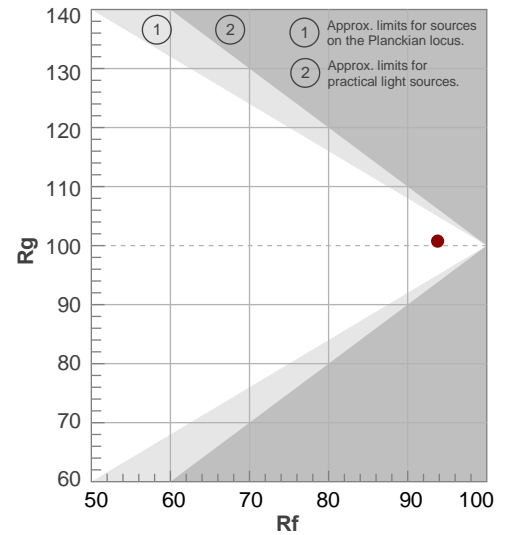
**Rf 93.8**

Fidelity index Rf

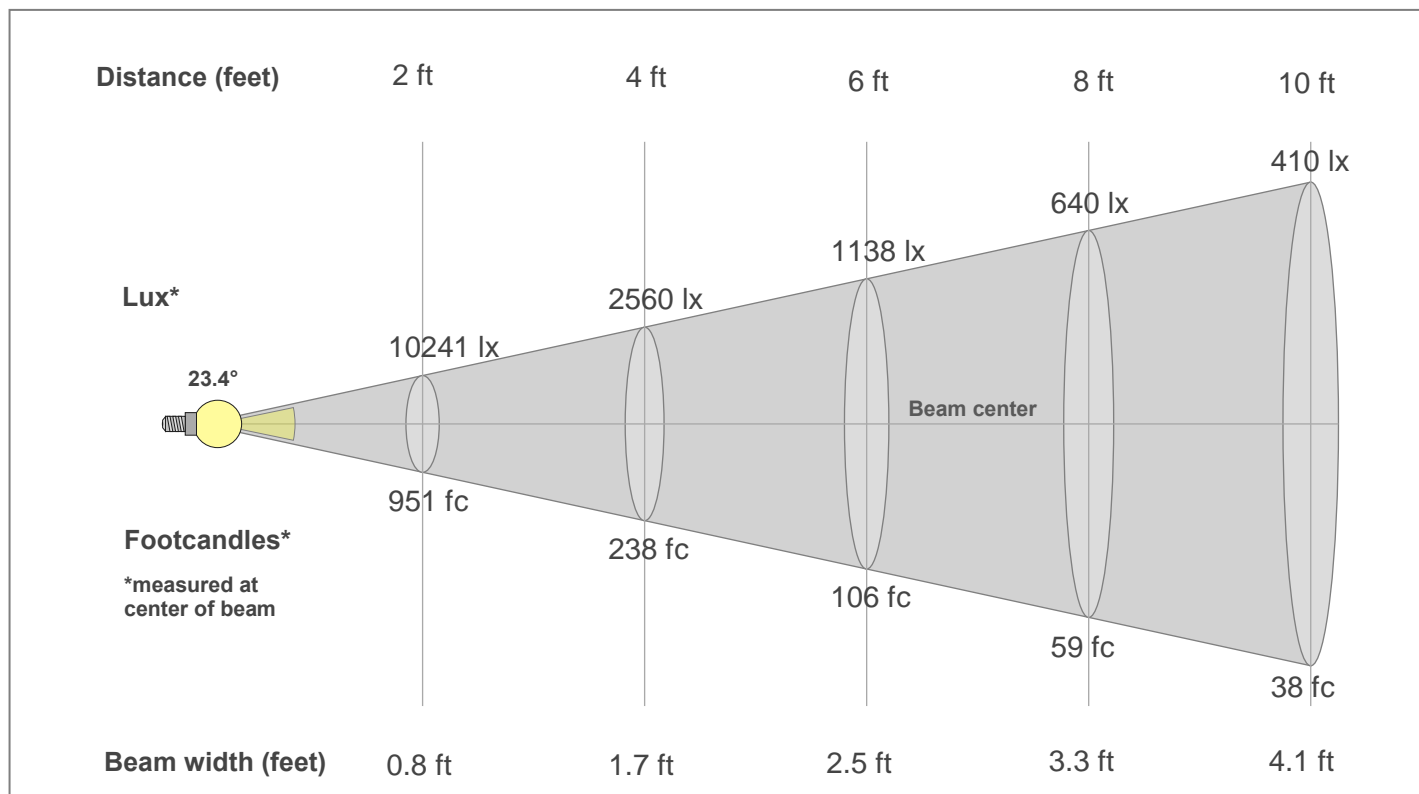
**Rg 100.8**

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%	-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
3806lx	951lx	423lx	238lx	152lx	106lx	78lx	59lx	47lx	38lx	31lx	26lx	23lx	19lx	17lx	15lx	13lx	12lx	11lx	10lx
353.6fc	88.4fc	39.3fc	22.1fc	14.1fc	9.8fc	7.2fc	5.5fc	4.4fc	3.5fc	2.9fc	2.5fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc	0.9fc

### 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°
3806	3749	3543	3205	2769	2286	1819	1416	1094	847	659	513	403	318	253	202	162	129	102	81
100%	99%	93%	84%	73%	60%	48%	37%	29%	22%	17%	13%	11%	8%	7%	5%	4%	3%	3%	2%

### 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°
3806	3745	3570	3251	2818	2334	1852	1416	1078	822	633	495	387	305	241	193	153	122	97	77
100%	98%	94%	85%	74%	61%	49%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	3%	2%

### 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°
3806	3749	3543	3205	2769	2286	1819	1416	1094	847	659	513	403	318	253	202	162	129	102	81
100%	99%	93%	84%	73%	60%	48%	37%	29%	22%	17%	13%	11%	8%	7%	5%	4%	3%	3%	2%

### 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°
3806	3745	3570	3251	2818	2334	1852	1416	1078	822	633	495	387	305	241	193	153	122	97	77
100%	98%	94%	85%	74%	61%	49%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.4°	48.6°	72.8°	99.5%	98.4%