

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-K5-WD-15-PR1-8.5-350-FR-LG-P-1-WH-NL**

Trim Model:

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

Date:

**6/30/2023**



Light efficiency:

**64 Lumen/Watt**

Light quality:

**CRI: 97.3**

Color temperature:

**3102 K**

CIE 1931:

**x: 0.429  
y: 0.398**

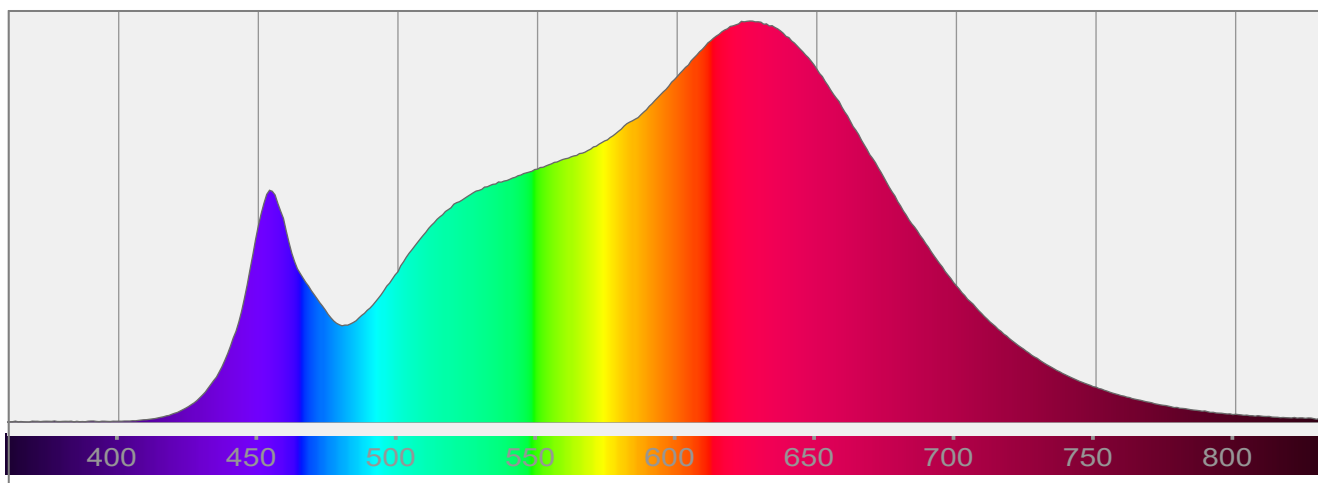
**Output: 946 lm**

**Peak: 3952 cd**

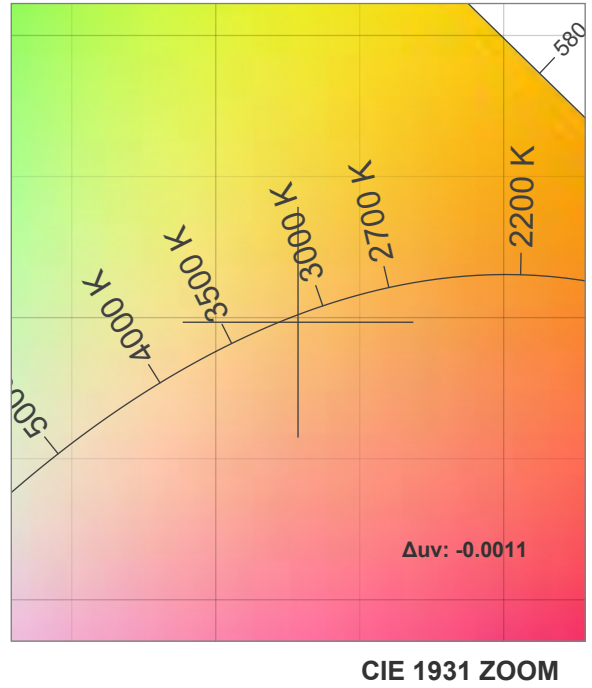
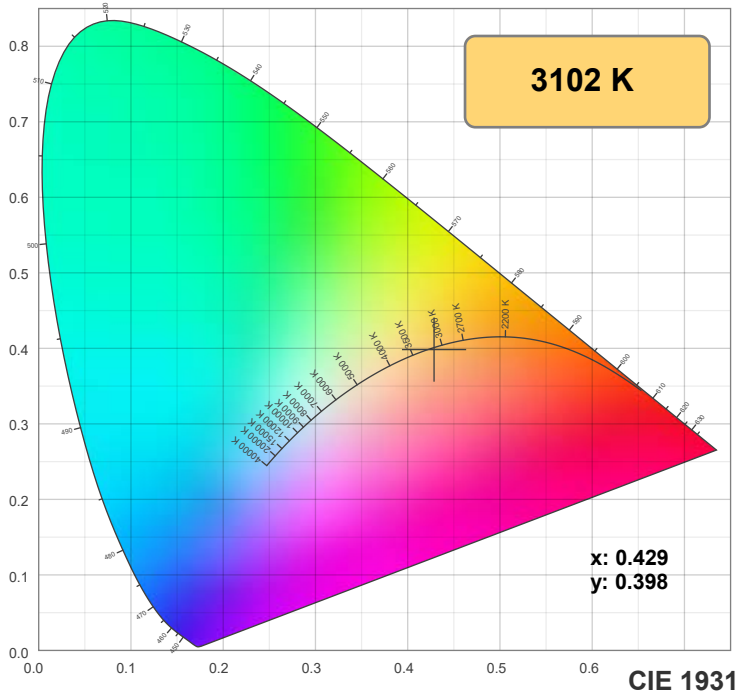
**Power: 14.7 W**

**PF: 0.99**

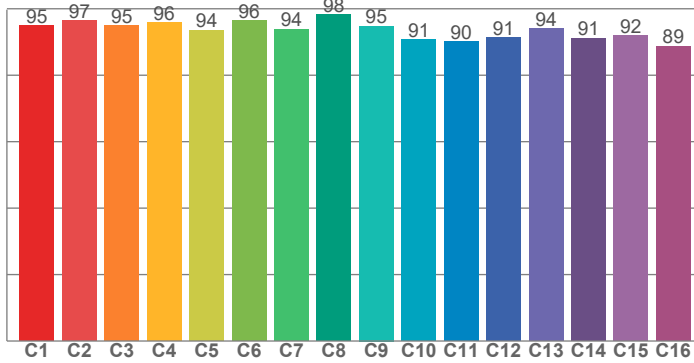
Spectra:



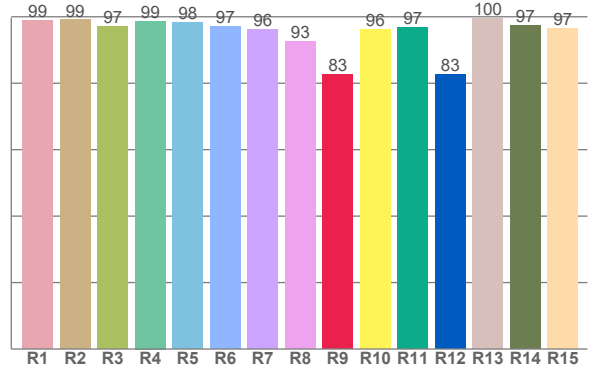
## Color Details



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	99.0	97.0	98.7	98.3	97.0	96.3	92.6	82.5	96.2	96.8	82.7	99.6	97.3	96.6

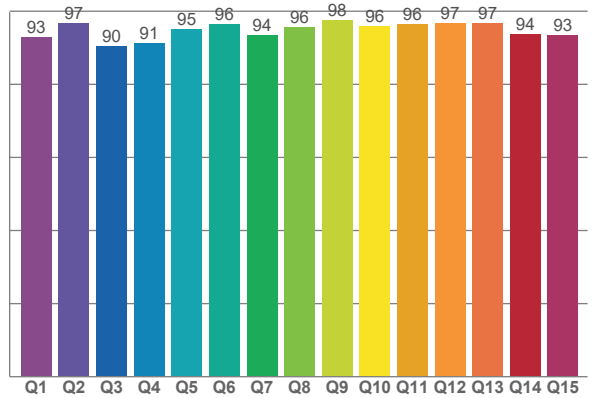
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.5	95.1	95.8	93.6	96.5	93.9	98.3	94.8	90.7	90.1	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	95.1	96.4	93.5	95.6	97.5	95.8	96.5	96.8	96.8	93.7	93.4

CQS: 94.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3102 K	97.3	82.5	93.7	100.8	94.3	0.429	0.398	0.248	0.345	-0.0011

# TM-30 Details

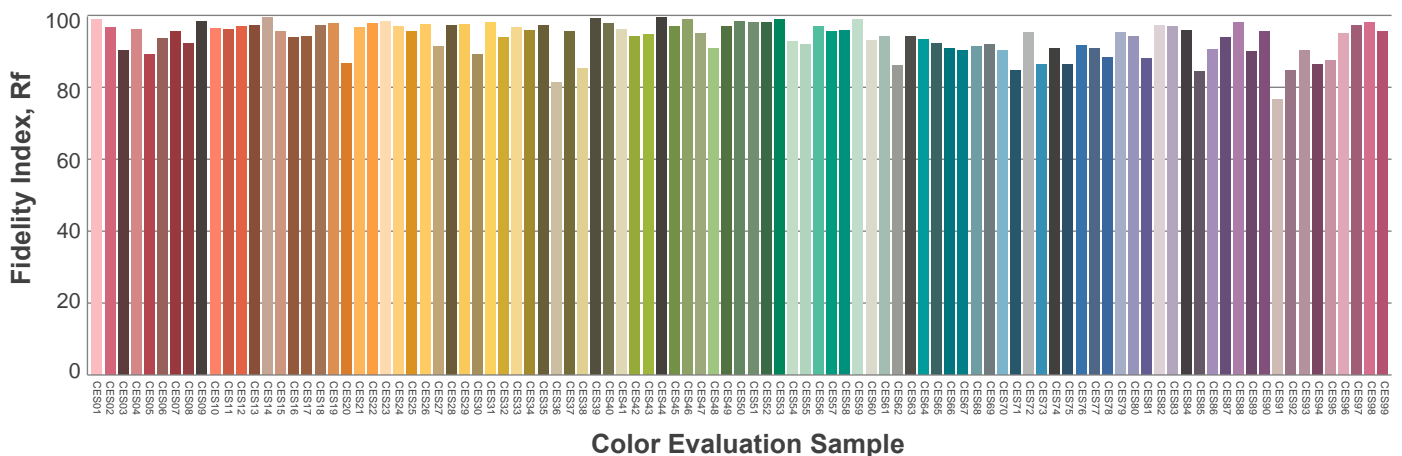
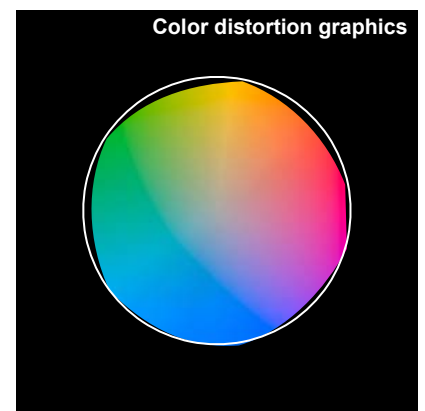
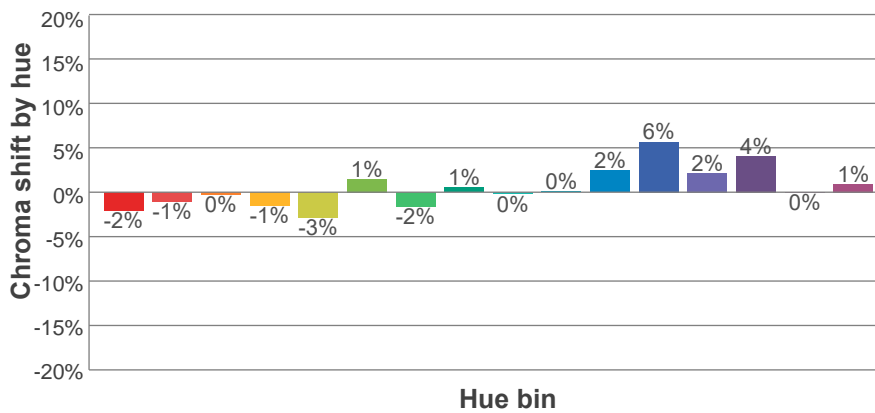
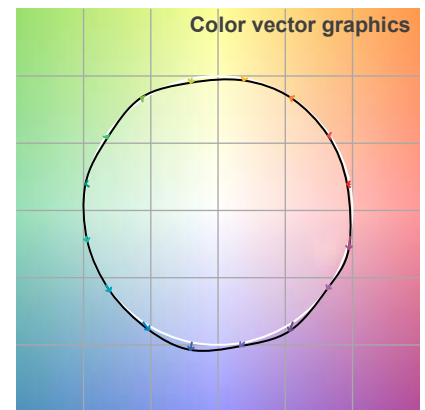
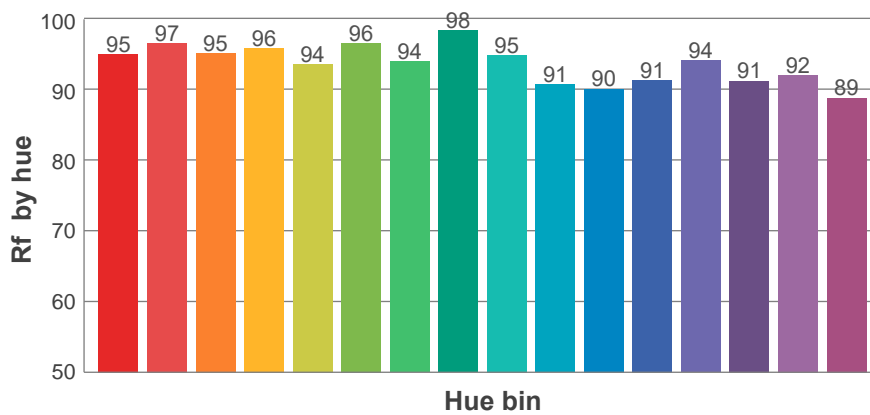
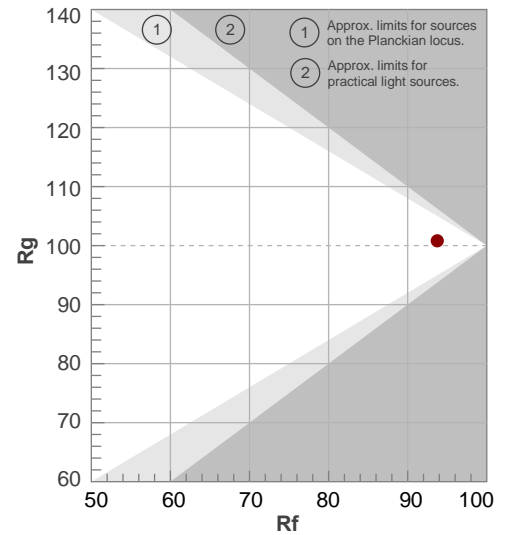
**Rf 93.7**

Fidelity index Rf

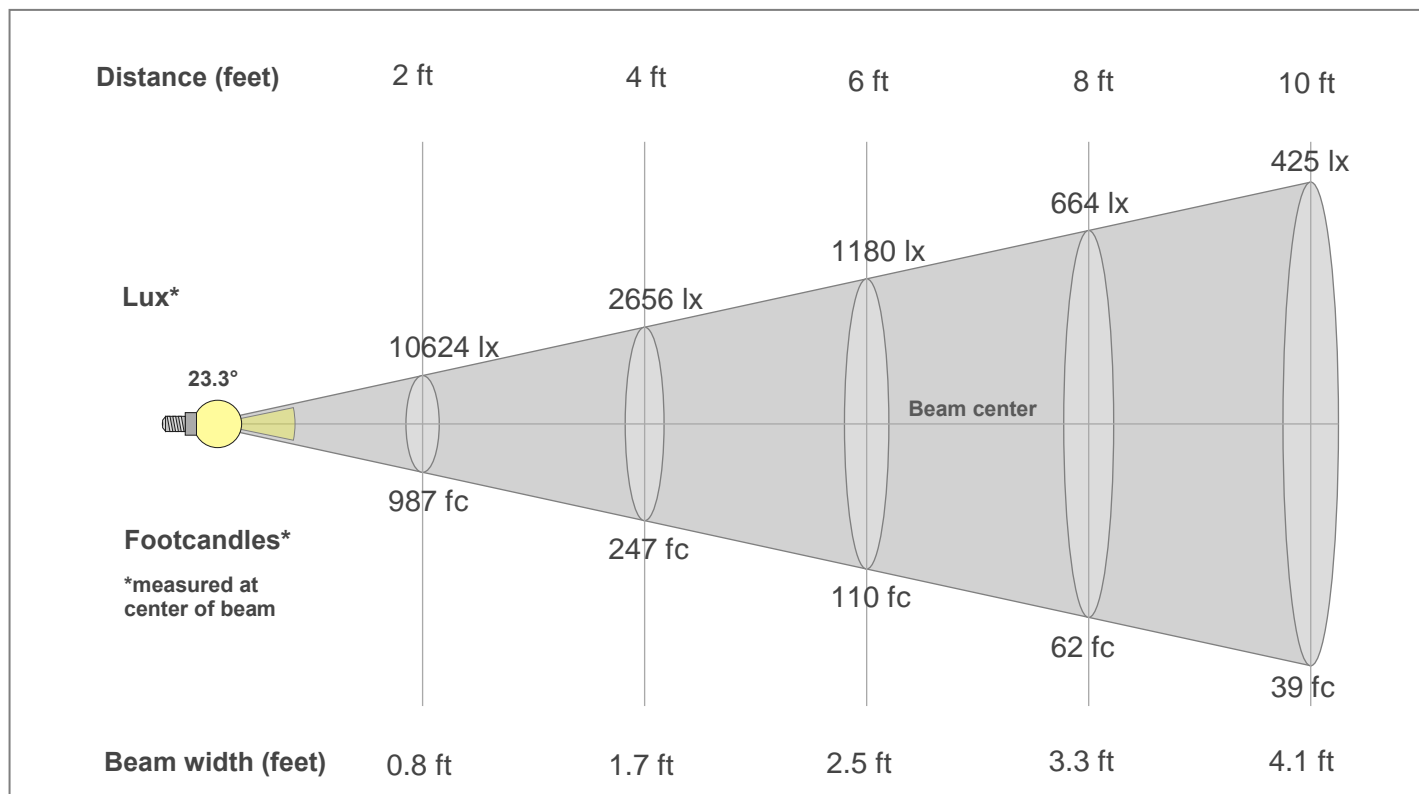
**Rg 100.8**

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	-1%	0%
5	94	-3%	1%
6	96	1%	1%
7	94	-2%	1%
8	98	1%	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
3948lx	987lx	439lx	247lx	158lx	110lx	81lx	62lx	49lx	39lx	33lx	27lx	23lx	20lx	18lx	15lx	14lx	12lx	11lx	10lx
366.8fc	91.7fc	40.8fc	22.9fc	14.7fc	10.2fc	7.5fc	5.7fc	4.5fc	3.7fc	3fc	2.5fc	2.2fc	1.9fc	1.6fc	1.4fc	1.3fc	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°
3948	3895	3718	3388	2931	2413	1902	1459	1106	843	649	501	391	306	242	193	154	123	98	80
100%	99%	94%	86%	74%	61%	48%	37%	28%	21%	16%	13%	10%	8%	6%	5%	4%	3%	2%	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°
3948	3882	3682	3338	2885	2376	1889	1465	1130	873	676	526	410	323	257	205	162	128	101	83
100%	98%	93%	85%	73%	60%	48%	37%	29%	22%	17%	13%	10%	8%	7%	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°
3948	3895	3718	3388	2931	2413	1902	1459	1106	843	649	501	391	306	242	193	154	123	98	80
100%	99%	94%	86%	74%	61%	48%	37%	28%	21%	16%	13%	10%	8%	6%	5%	4%	3%	2%	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°
3948	3882	3682	3338	2885	2376	1889	1465	1130	873	676	526	410	323	257	205	162	128	101	83
100%	98%	93%	85%	73%	60%	48%	37%	29%	22%	17%	13%	10%	8%	7%	5%	4%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.3°	48.2°	72.2°	99.3%	97.5%