

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-K5-WD-2-25-PR1-8.5-350-FR-LG-P-1-WH-NL**

Trim Model:

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

Date:

**7/5/2023**



Light efficiency:

**60 Lumen/Watt**

Light quality:

**CRI: 97.0**

Color temperature:

**2855 K**

CIE 1931:

**x: 0.445  
y: 0.402**

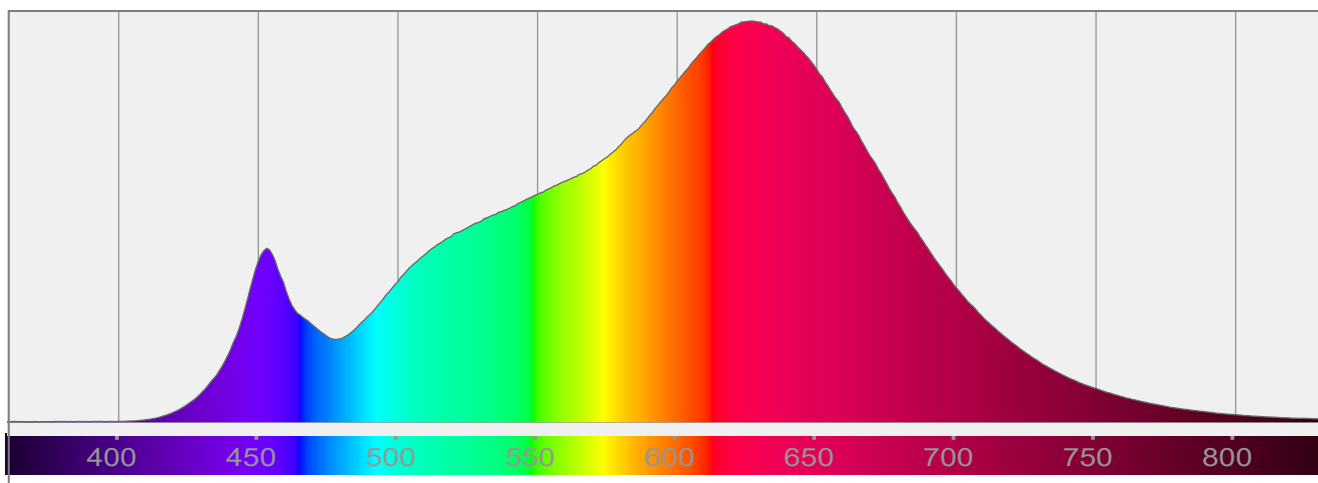
**Output: 888 lm**

**Peak: 2485 cd**

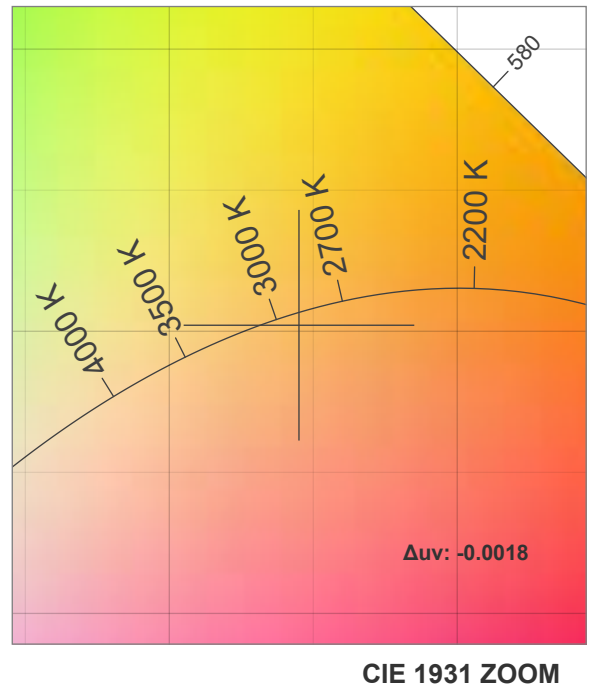
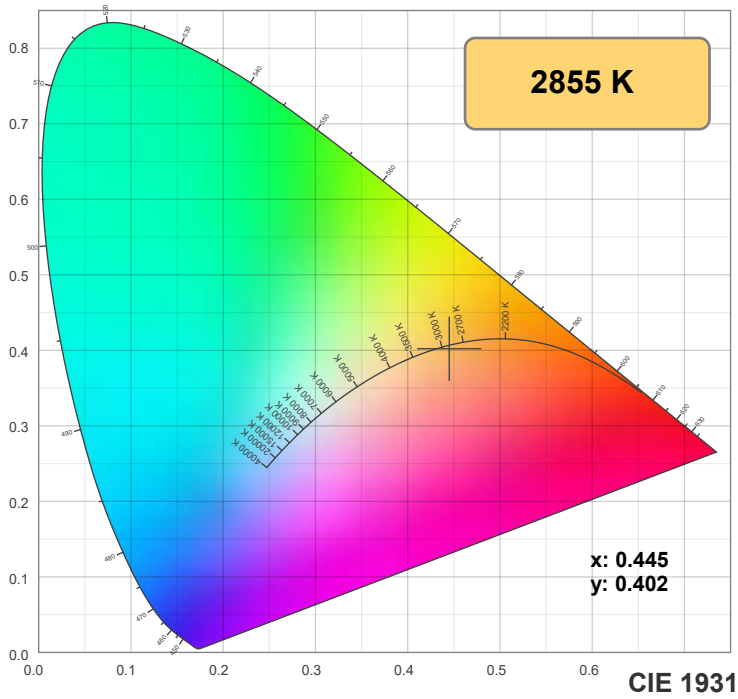
**Power: 14.9 W**

**PF: 0.99**

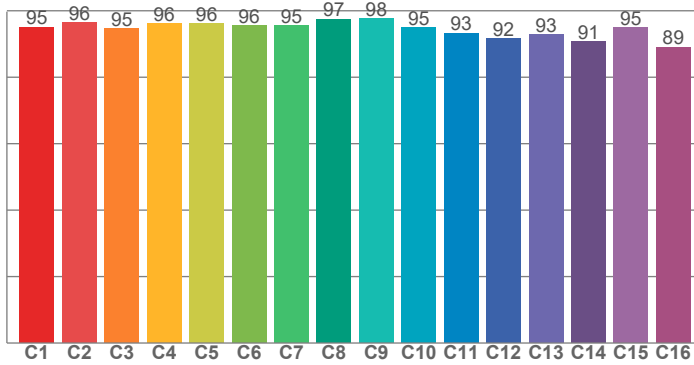
Spectra:



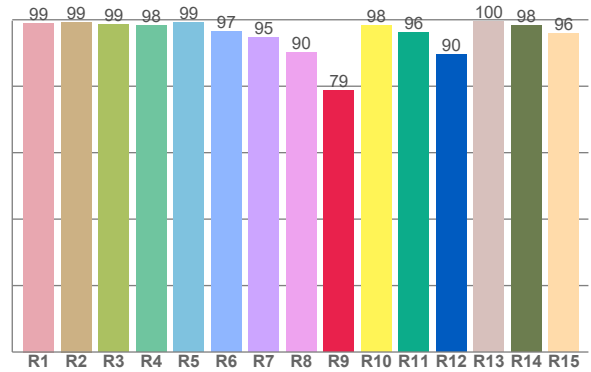
## Color Details



**TM-30: 94.7**



**CRI: 97.0 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.0	99.3	98.6	98.3	99.3	96.6	94.7	90.3	78.6	98.3	96.2	89.6	99.6	98.3	95.8

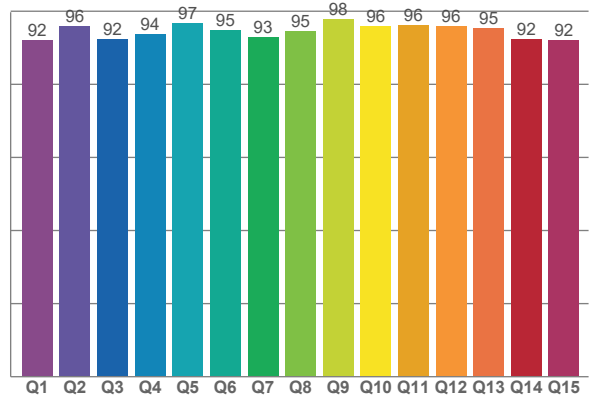
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	96.3	94.6	96.2	96.0	95.7	95.5	97.5	97.5	95.0	93.3	91.7	92.8	90.8	94.9	89.1

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.0	96.0	92.2	93.7	96.8	94.7	92.8	94.6	97.8	95.8	96.1	95.8	95.4	92.3	92.0

**CQS: 94.1**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2855 K	97.0	78.6	94.7	101.2	94.1	0.445	0.402	0.257	0.348	-0.0018

# TM-30 Details

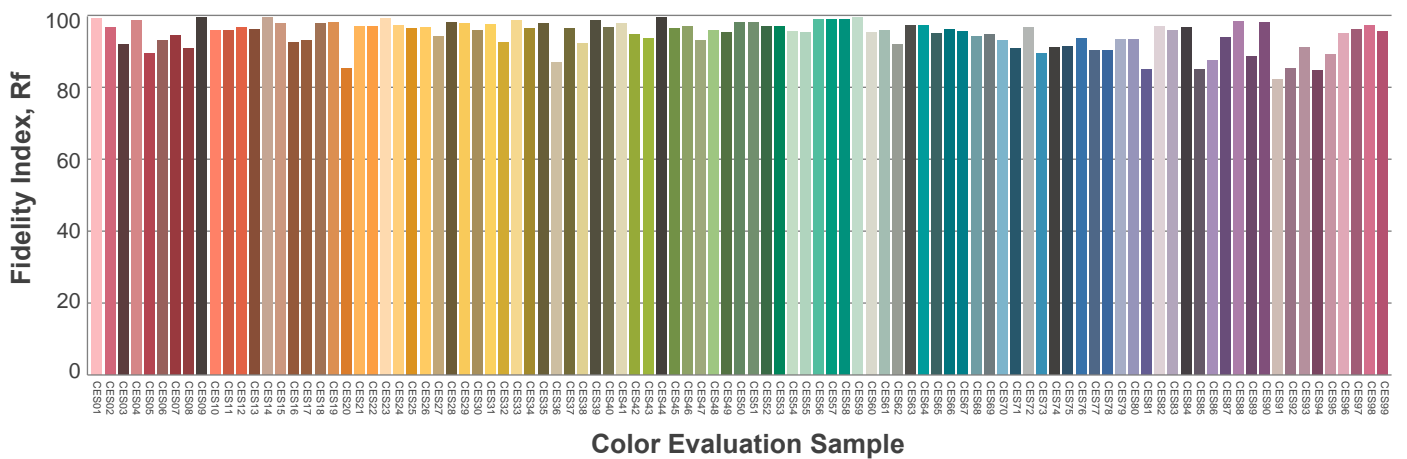
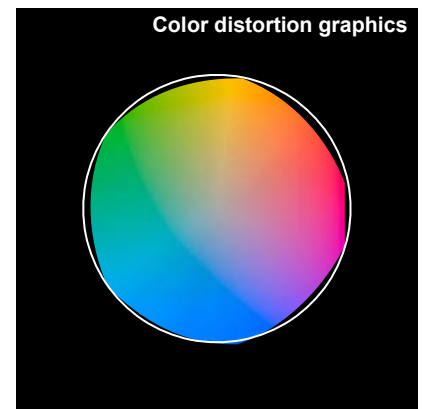
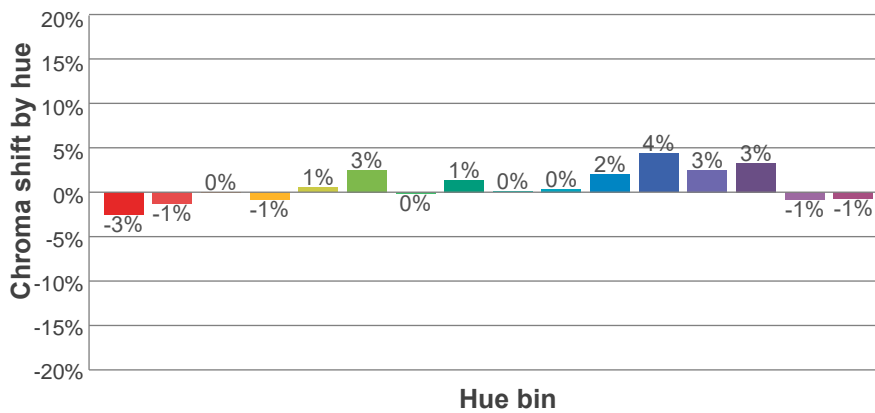
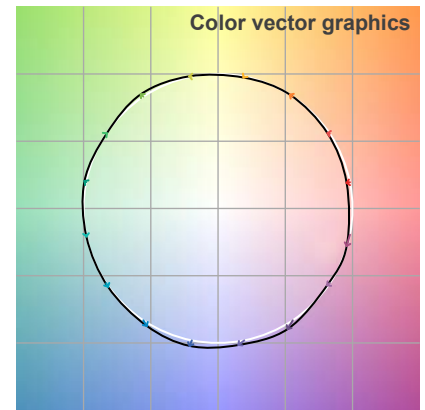
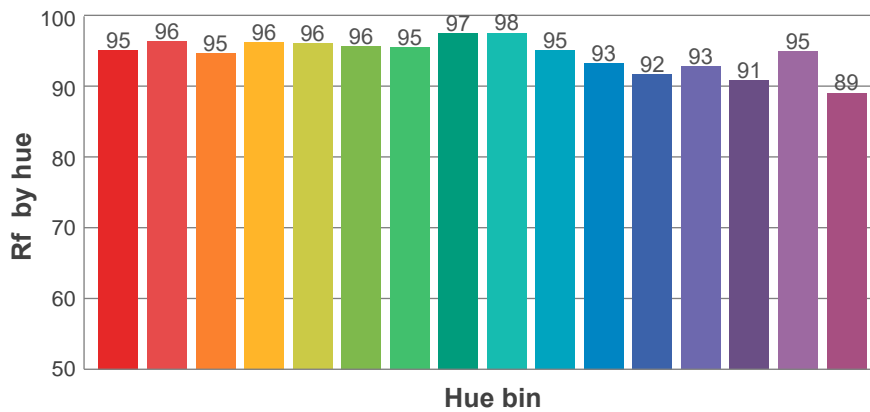
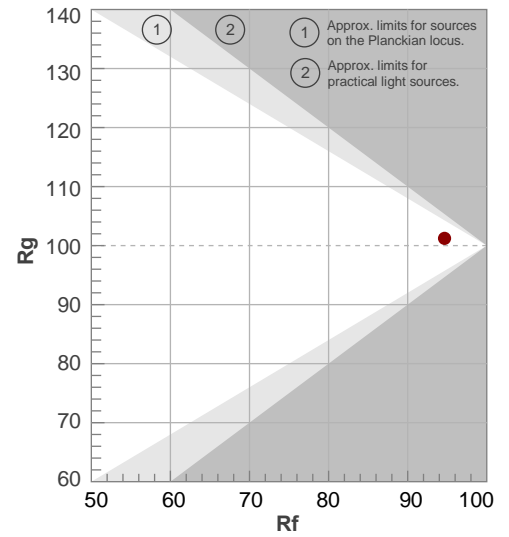
**Rf 94.7**

Fidelity index Rf

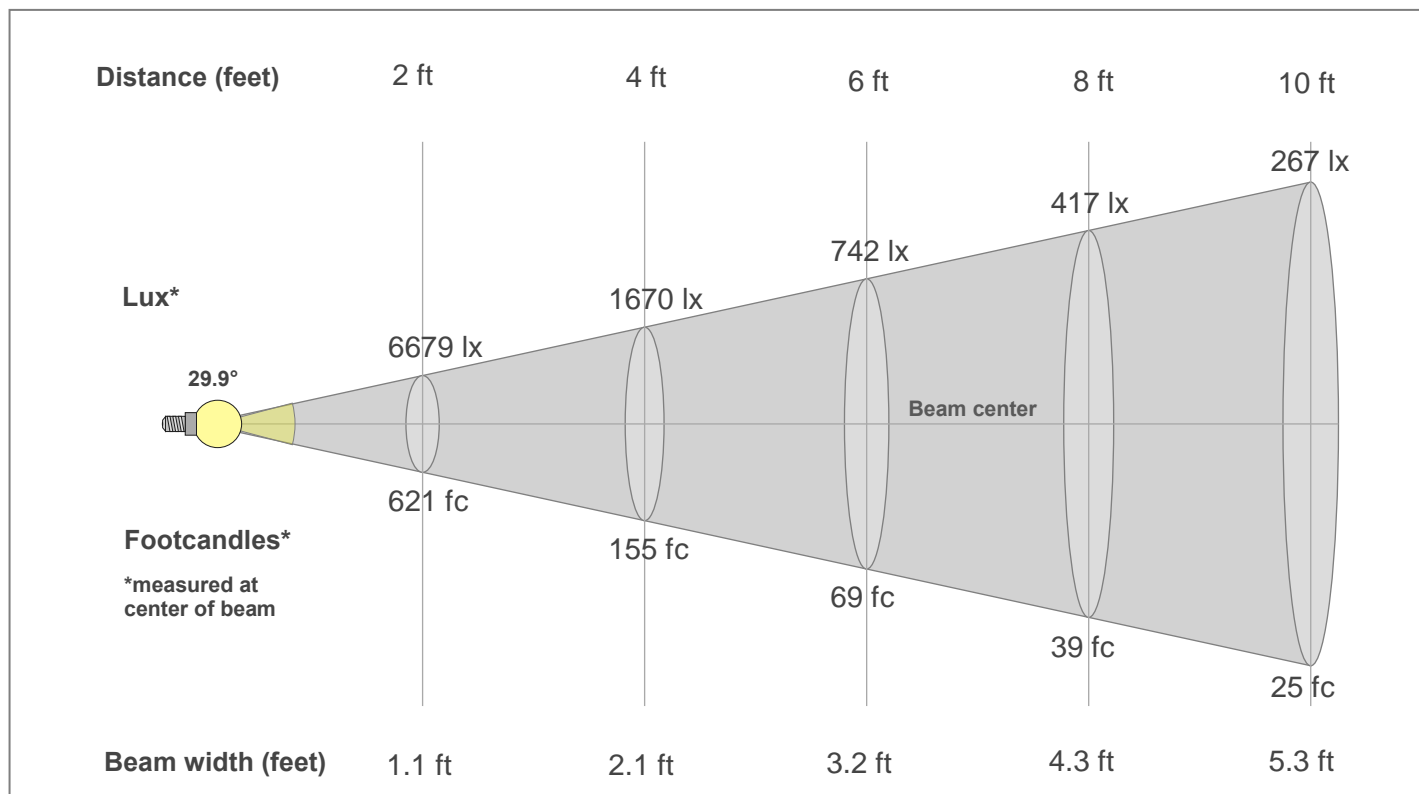
**Rg 101.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	3%
4	96	-1%	0%
5	96	1%	2%
6	96	3%	1%
7	95	0%	-1%
8	97	1%	-1%
9	98	0%	1%
10	95	0%	3%
11	93	2%	4%
12	92	4%	-1%
13	93	3%	-5%
14	91	3%	-7%
15	95	-1%	-2%
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
2482lx	621lx	276lx	155lx	99lx	69lx	51lx	39lx	31lx	25lx	21lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
230.6fc	57.6fc	25.6fc	14.4fc	9.2fc	6.4fc	4.7fc	3.6fc	2.8fc	2.3fc	1.9fc	1.6fc	1.4fc	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°
2482	2452	2359	2213	2029	1819	1589	1352	1120	906	720	562	440	346	275	221	181	150	125	105
100%	99%	95%	89%	82%	73%	64%	54%	45%	37%	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°
2482	2448	2357	2211	2029	1820	1594	1359	1129	918	733	577	457	360	287	233	191	158	132	111
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	30%	23%	18%	14%	12%	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°
2482	2452	2359	2213	2029	1819	1589	1352	1120	906	720	562	440	346	275	221	181	150	125	105
100%	99%	95%	89%	82%	73%	64%	54%	45%	37%	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°
2482	2448	2357	2211	2029	1820	1594	1359	1129	918	733	577	457	360	287	233	191	158	132	111
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	30%	23%	18%	14%	12%	9%	8%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.9°	58.3°	89.1°	99.3%	95.4%