

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-K5-WD-2-40-PR1-8.5-350-FS-LG-P-1-WH-NL**

Trim Model:

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

Date:

**7/3/2023**



Light efficiency:

**65 Lumen/Watt**

Light quality:

**CRI: 97.0**

Color temperature:

**2841 K**

CIE 1931:

**x: 0.447  
y: 0.403**

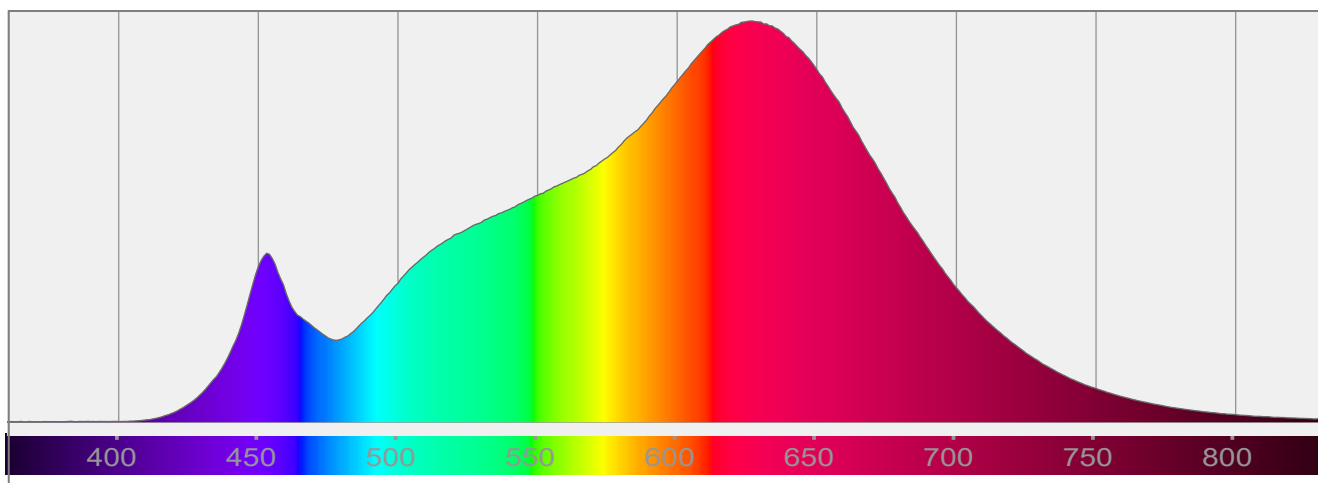
**Output: 944 lm**

**Peak: 1830 cd**

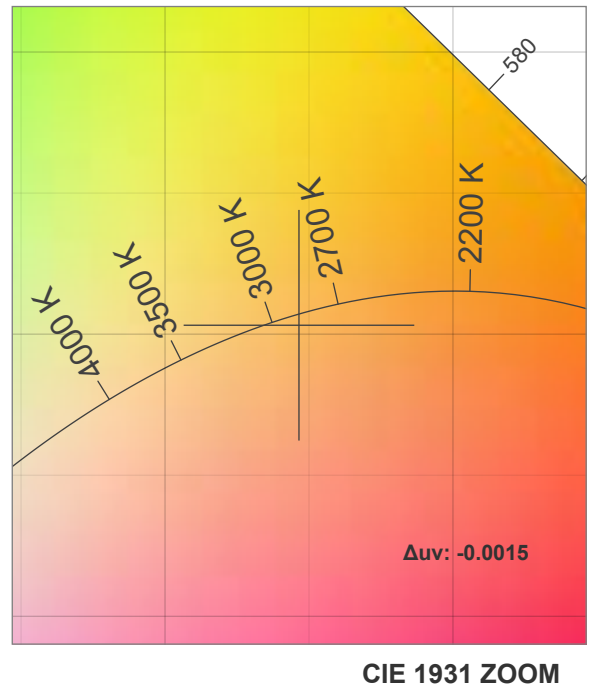
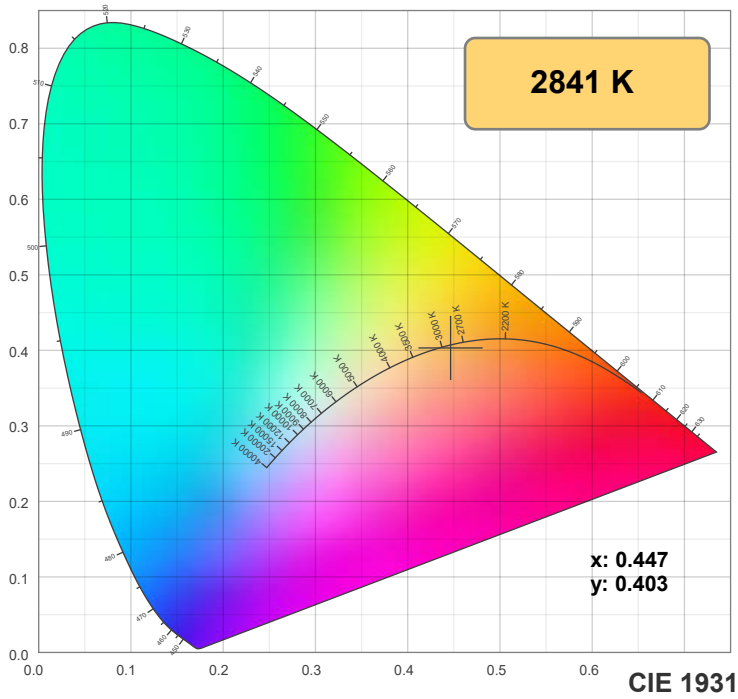
**Power: 14.6 W**

**PF: 0.99**

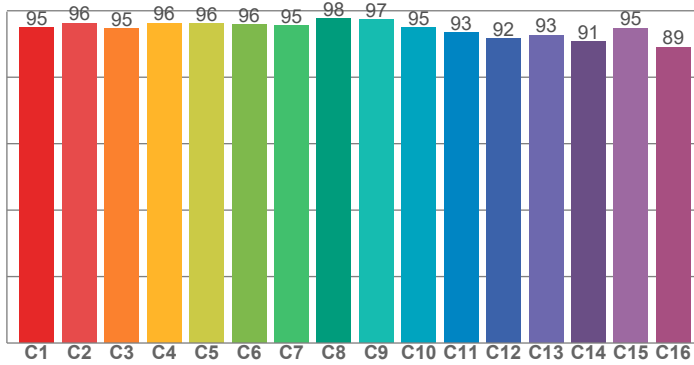
Spectra:



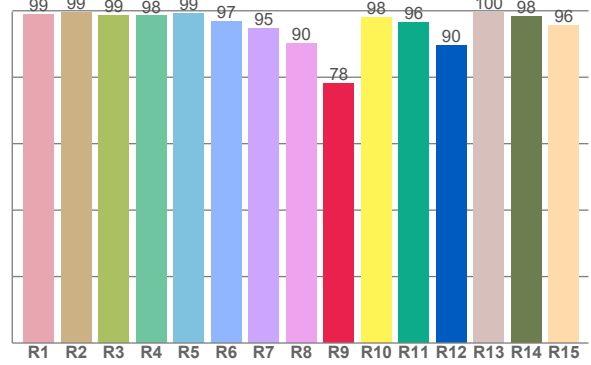
## Color Details



**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
98.9	99.4	98.6	98.4	99.1	96.7	94.7	90.0	78.0	98.1	96.4	89.6	99.5	98.3	95.5

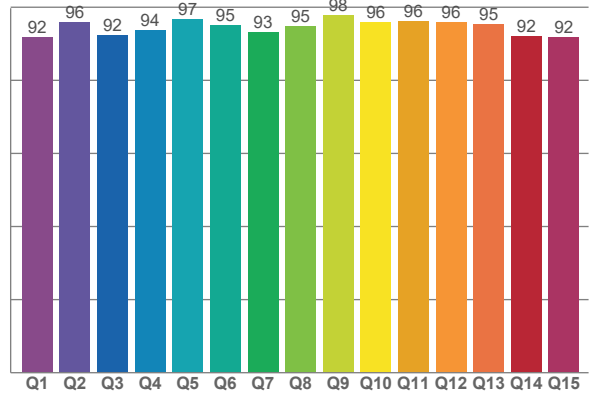
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.3	94.8	96.3	96.1	95.9	95.5	97.7	97.5	94.9	93.3	91.7	92.7	90.7	94.8	89.1

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	95.9	92.4	93.8	96.7	95.0	93.1	94.7	97.7	95.9	96.2	95.9	95.4	92.1	91.8

**CQS: 94.1**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2841 K	97.0	78.0	94.7	101.0	94.1	0.447	0.403	0.257	0.348	-0.0015

# TM-30 Details

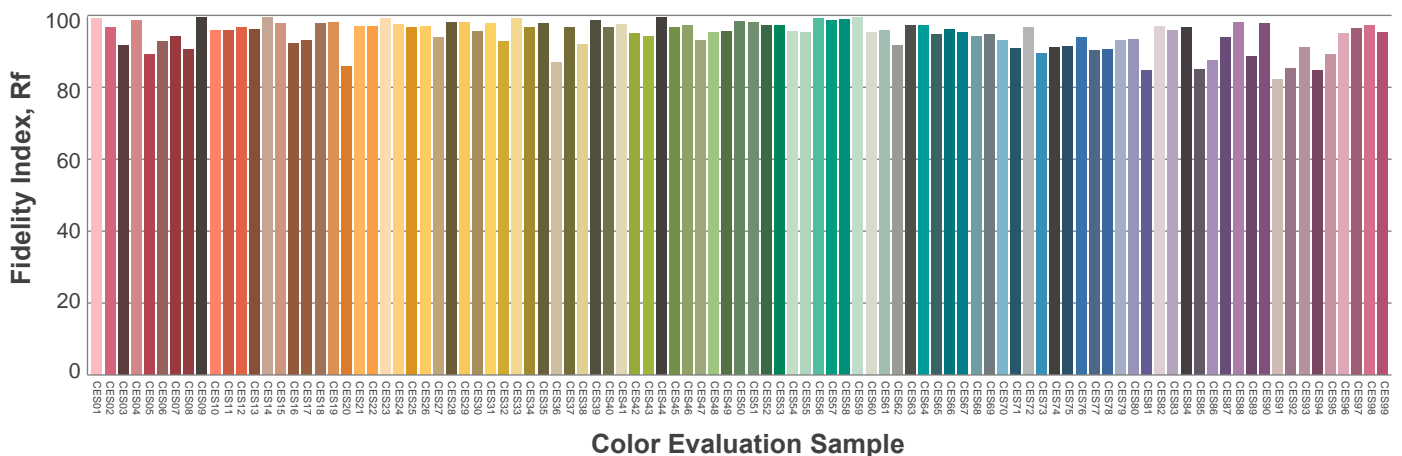
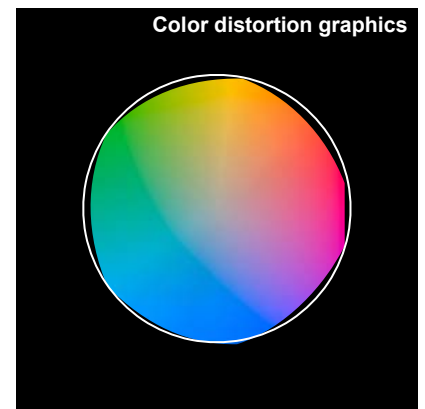
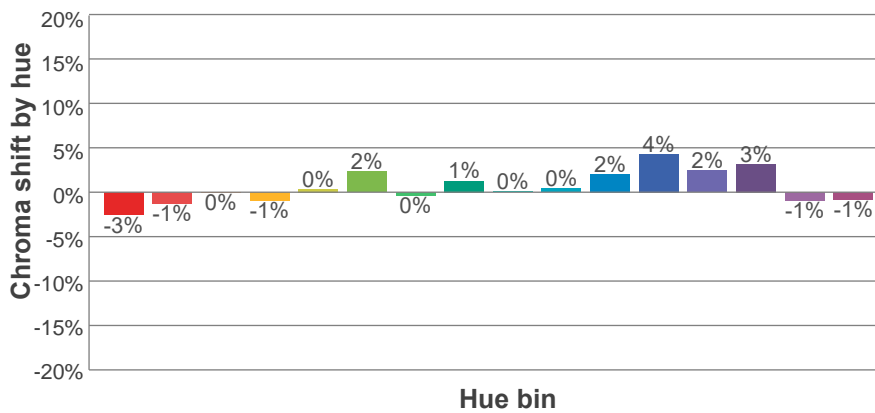
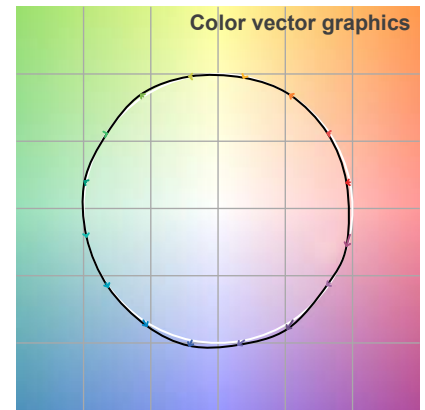
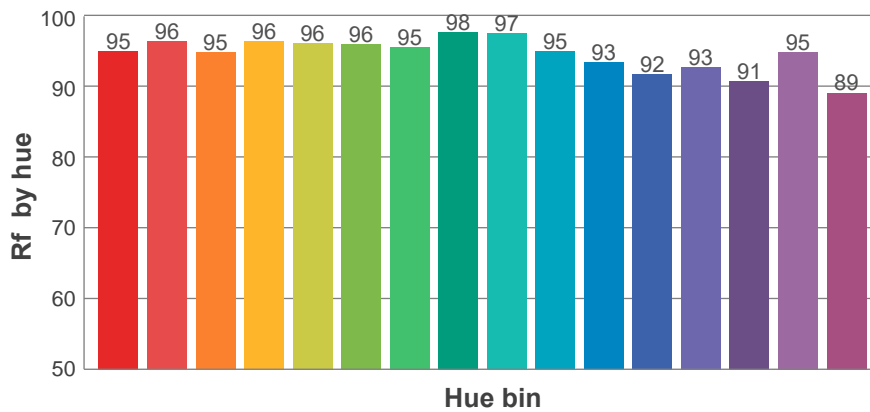
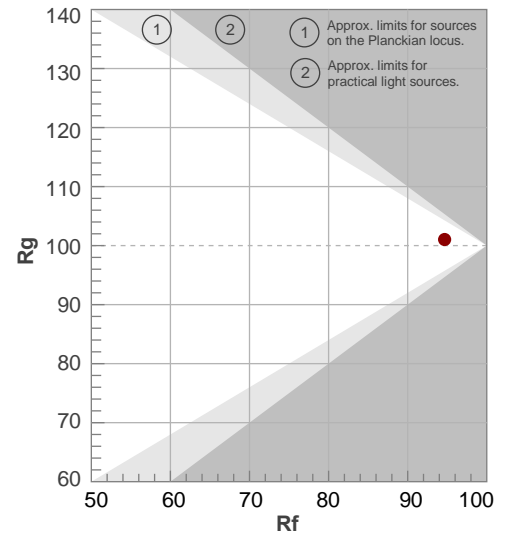
**Rf 94.7**

Fidelity index Rf

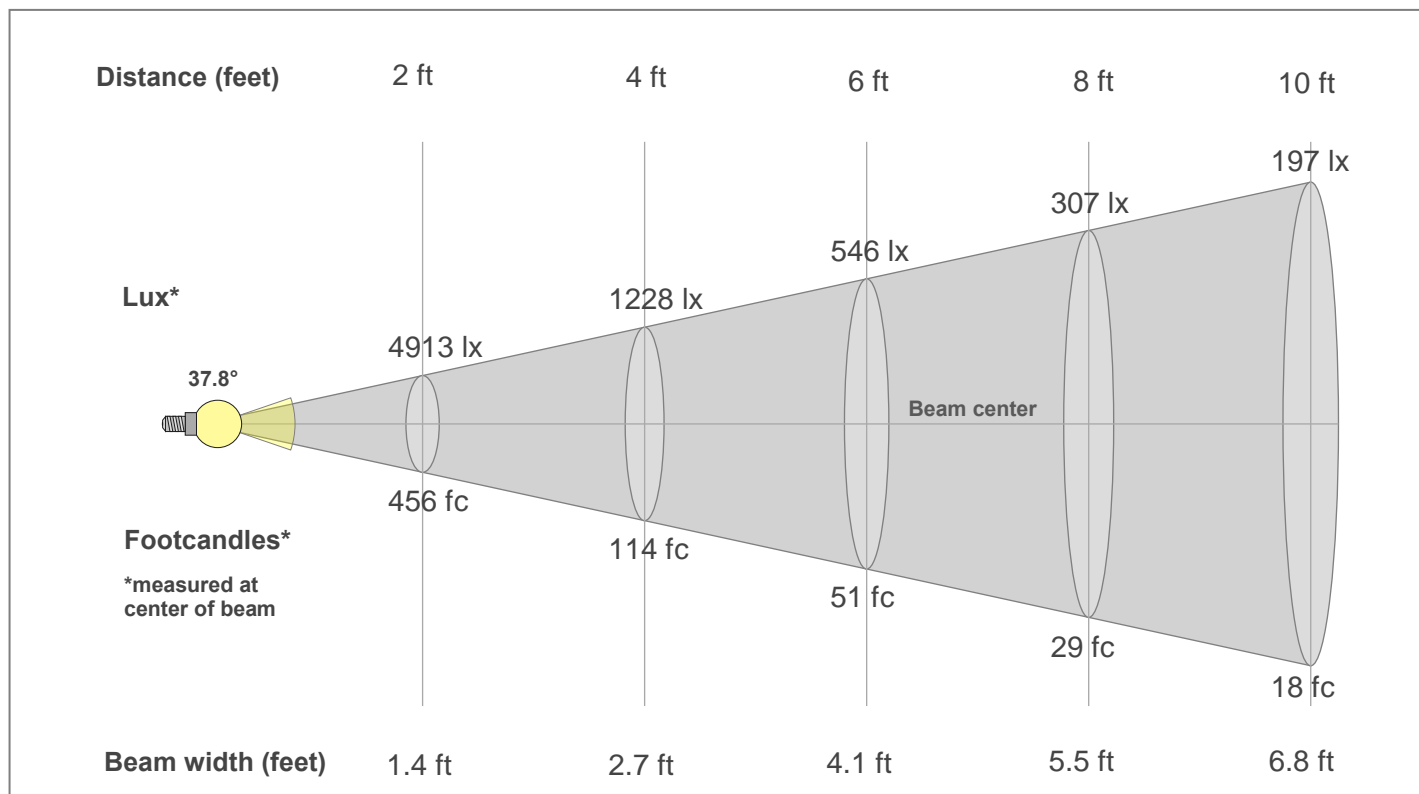
**Rg 101.0**

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	0%	2%
6	96	2%	1%
7	95	0%	0%
8	98	1%	0%
9	97	0%	1%
10	95	0%	3%
11	93	2%	4%
12	92	4%	-1%
13	93	2%	-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
1826lx	456lx	203lx	114lx	73lx	51lx	37lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
169.6fc	42.4fc	18.8fc	10.6fc	6.8fc	4.7fc	3.5fc	2.7fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc

### 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°
1826	1817	1775	1711	1624	1515	1393	1262	1120	976	837	708	593	491	408	337	275	224	182	147
100%	100%	97%	94%	89%	83%	76%	69%	61%	53%	46%	39%	32%	27%	22%	18%	15%	12%	10%	8%

### 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°
1826	1811	1772	1707	1620	1515	1395	1261	1120	975	838	709	596	495	411	340	278	226	184	149
100%	99%	97%	94%	89%	83%	76%	69%	61%	53%	46%	39%	33%	27%	22%	19%	15%	12%	10%	8%

### 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°
1826	1817	1775	1711	1624	1515	1393	1262	1120	976	837	708	593	491	408	337	275	224	182	147
100%	100%	97%	94%	89%	83%	76%	69%	61%	53%	46%	39%	32%	27%	22%	18%	15%	12%	10%	8%

### 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°
1826	1811	1772	1707	1620	1515	1395	1261	1120	975	838	709	596	495	411	340	278	226	184	149
100%	99%	97%	94%	89%	83%	76%	69%	61%	53%	46%	39%	33%	27%	22%	19%	15%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.8°	72°	96.8°	99.3%	95.3%