

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-K5-WD-4-40-PR1-8.5-350-FS-LG-P-1-WH-NL**

Trim Model:

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

Date:

**8/5/2024**



Light efficiency:

**65 Lumen/Watt**

Light quality:

**CRI: 96.6**

Color temperature:

**2997 K**

CIE 1931:

**x: 0.437  
y: 0.402**

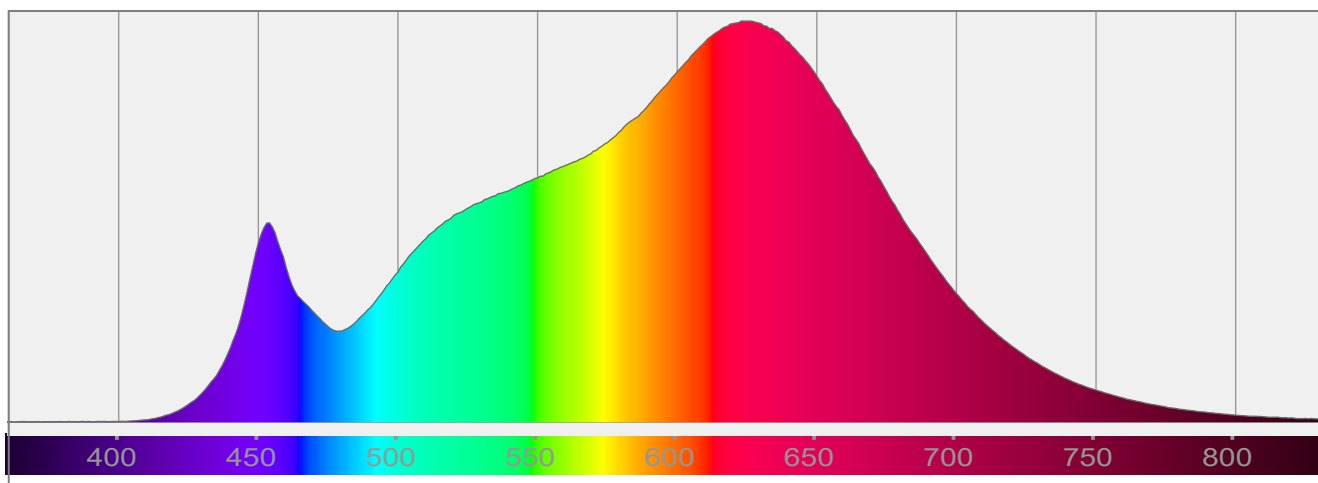
**Output: 949 lm**

**Peak: 1882 cd**

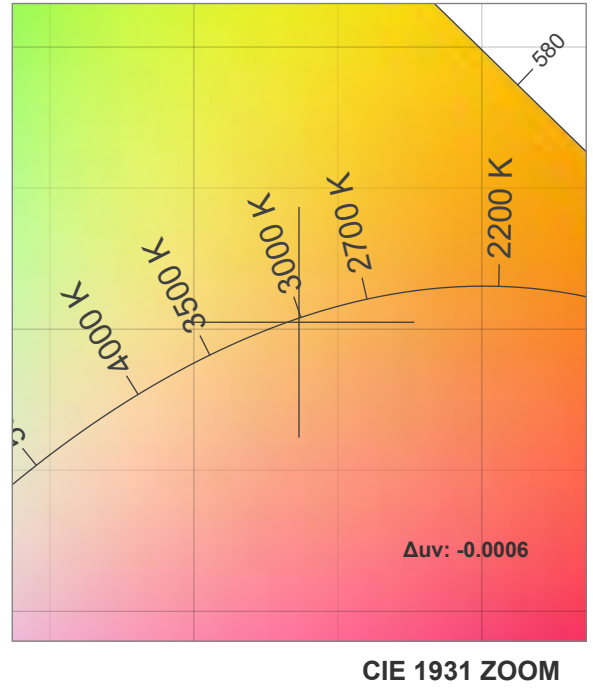
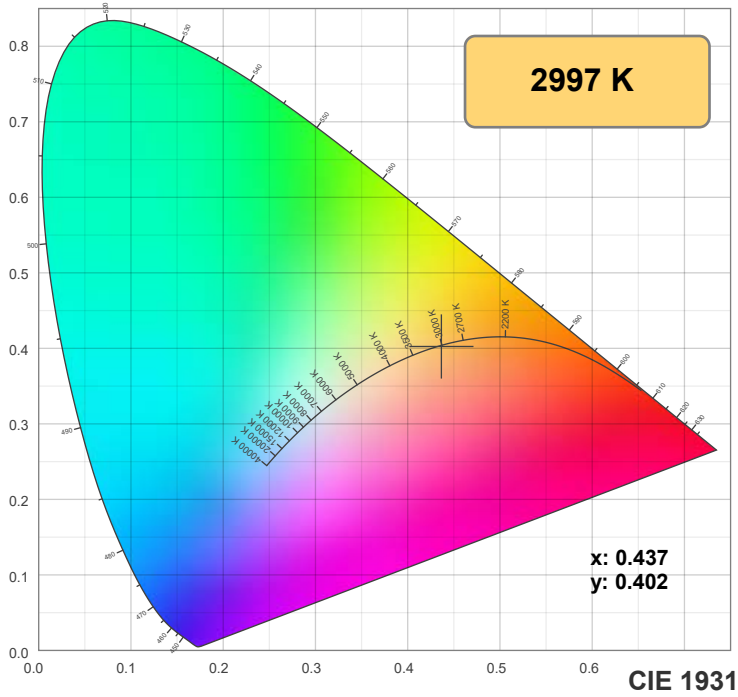
**Power: 14.7 W**

**PF: 0.99**

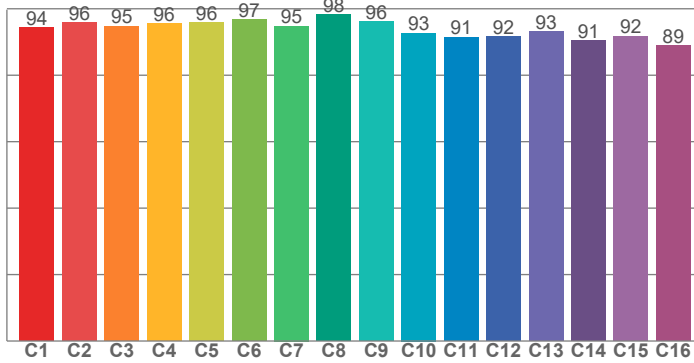
Spectra:



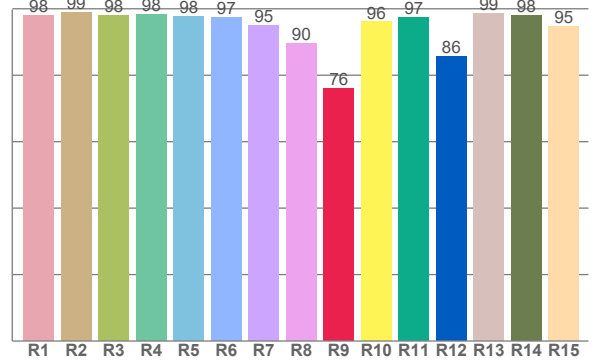
## Color Details



**TM-30: 94.1**



**CRI: 96.6 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.1	98.8	98.0	98.3	97.8	97.3	95.0	89.6	75.9	96.0	97.4	85.7	98.7	97.9	94.6

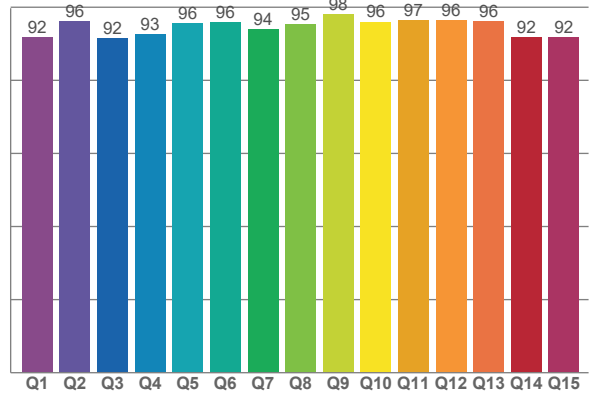
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.3	95.9	94.8	95.5	95.8	96.7	94.8	98.3	96.0	92.7	91.5	91.6	93.2	90.5	91.8	88.9

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	91.6	92.5	95.7	96.0	93.9	95.4	98.1	96.0	96.5	96.5	96.1	91.8	91.7

**CQS: 94.1**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2997 K	96.6	75.9	94.1	100.4	94.1	0.437	0.402	0.251	0.347	-0.0006

# TM-30 Details

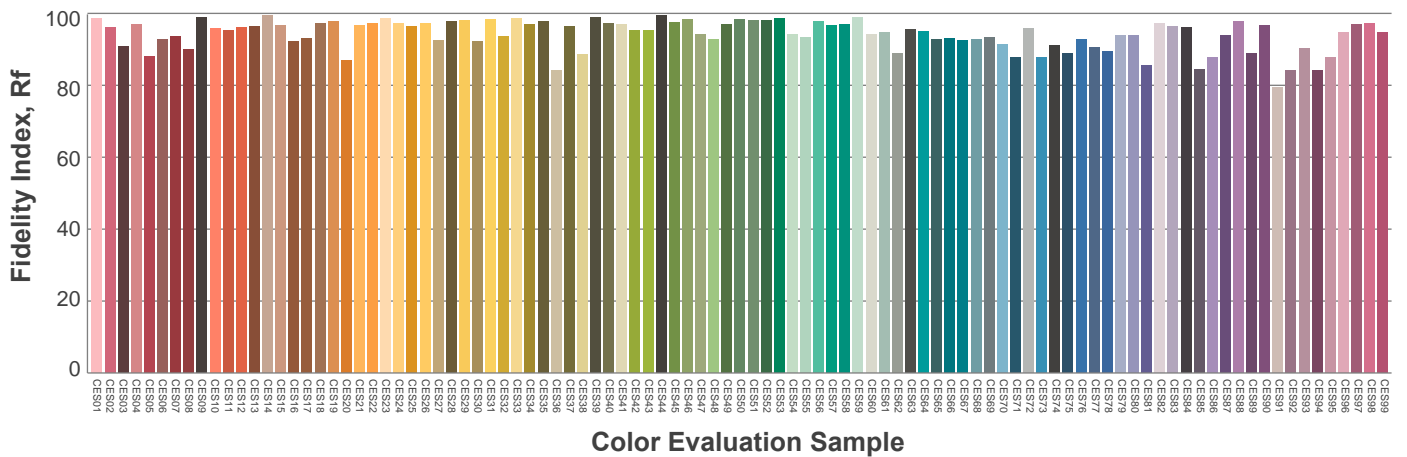
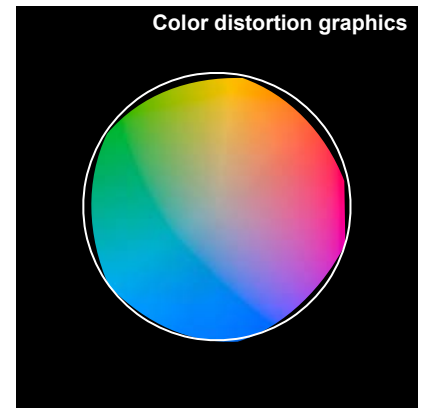
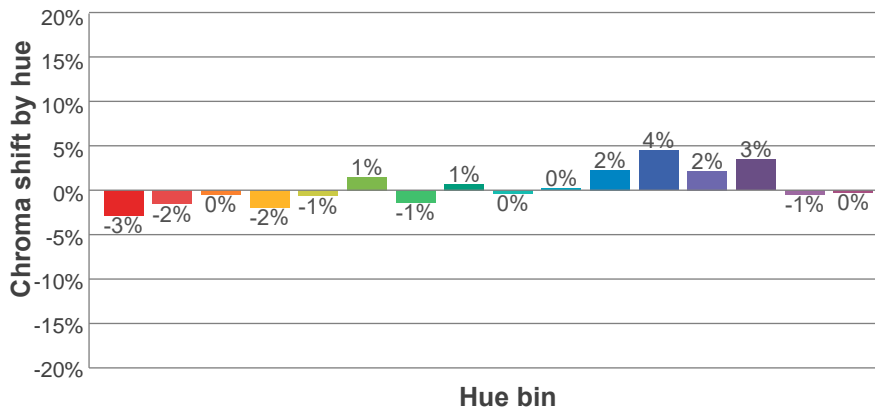
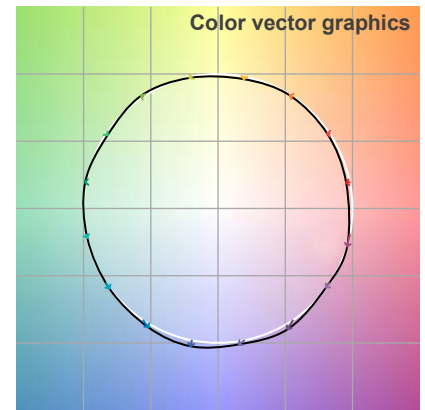
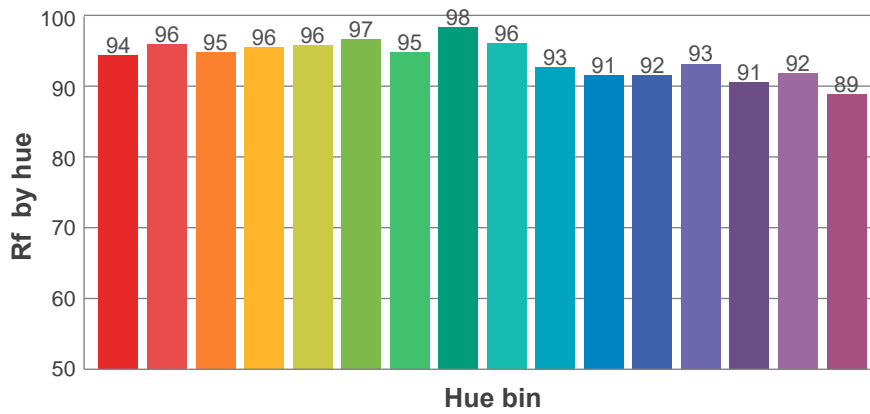
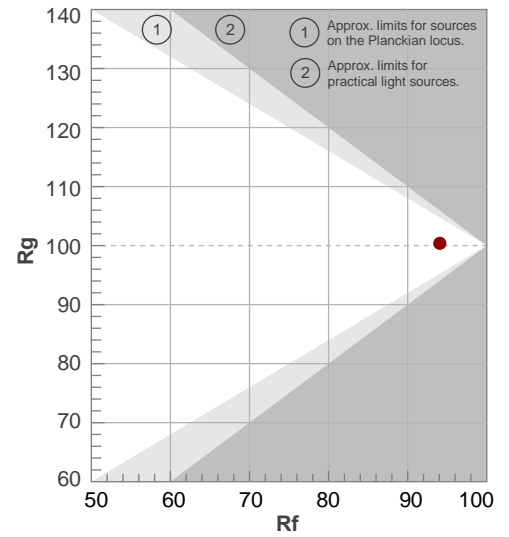
**Rf 94.1**

Fidelity index Rf

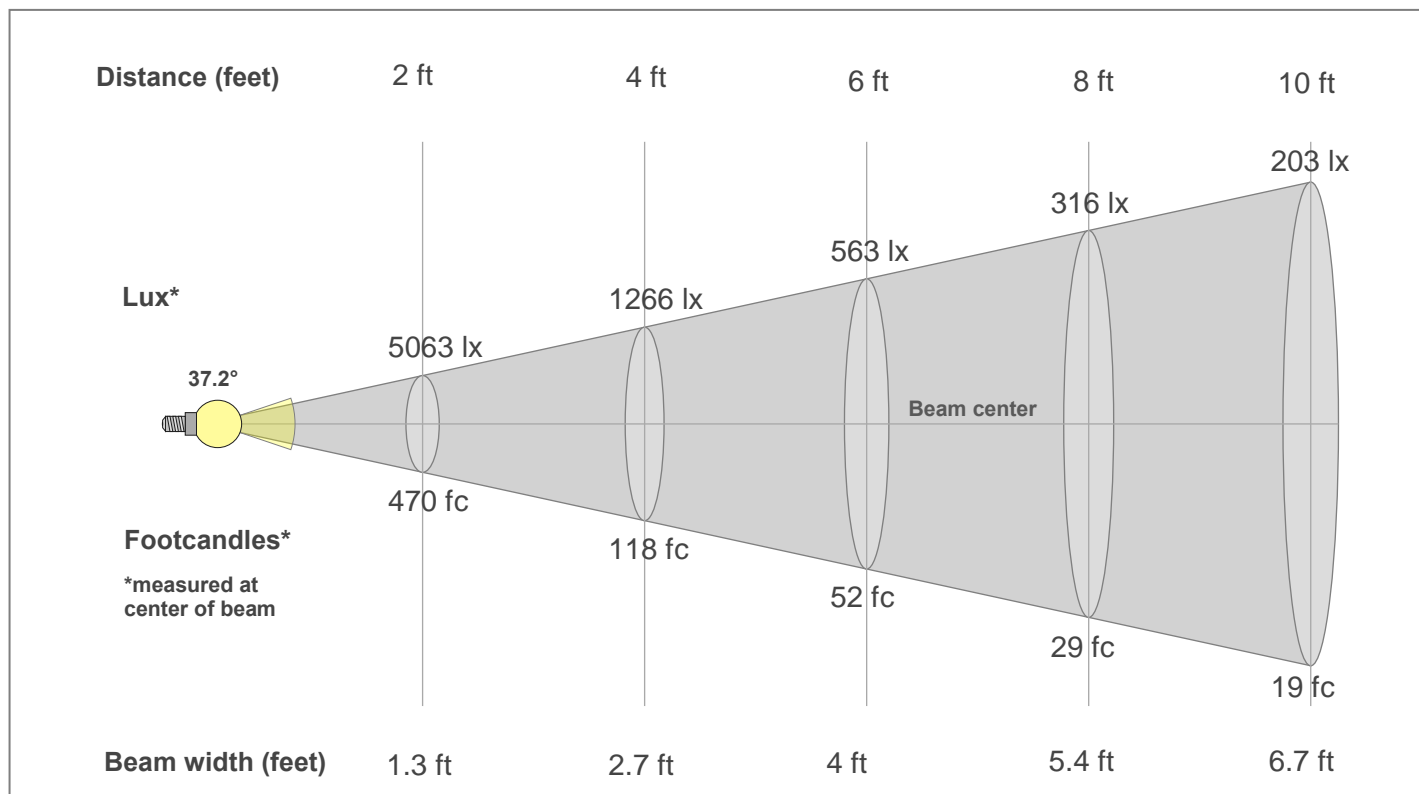
**Rg 100.4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	96	-2%	0%
5	96	-1%	2%
6	97	1%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	2%
10	93	0%	5%
11	91	2%	6%
12	92	4%	0%
13	93	2%	-5%
14	91	3%	-7%
15	92	-1%	-4%
16	89	0%	-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
1881lx	470lx	209lx	118lx	75lx	52lx	38lx	29lx	23lx	19lx	16lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx	5lx
174.8fc	43.7fc	19.4fc	10.9fc	7fc	4.9fc	3.6fc	2.7fc	2.2fc	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°
1881	1869	1824	1754	1661	1548	1423	1286	1138	988	847	715	598	494	410	337	275	223	181	146
100%	99%	97%	93%	88%	82%	76%	68%	60%	53%	45%	38%	32%	26%	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°
1881	1867	1822	1751	1657	1544	1418	1280	1133	984	843	711	593	490	405	332	271	220	177	143
100%	99%	97%	93%	88%	82%	75%	68%	60%	52%	45%	38%	32%	26%	22%	18%	14%	12%	9%	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°
1881	1869	1824	1754	1661	1548	1423	1286	1138	988	847	715	598	494	410	337	275	223	181	146
100%	99%	97%	93%	88%	82%	76%	68%	60%	53%	45%	38%	32%	26%	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°
1881	1867	1822	1751	1657	1544	1418	1280	1133	984	843	711	593	490	405	332	271	220	177	143
100%	99%	97%	93%	88%	82%	75%	68%	60%	52%	45%	38%	32%	26%	22%	18%	14%	12%	9%	8%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.2°	71.1°	95.9°	99.2%	95.3%