

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FR-LG-P-1-WH/NL

Date:

7/5/2023



Light efficiency:

64 Lumen/Watt

Light quality:

CRI: 97.0

Color temperature:

2842 K

CIE 1931:

**x: 0.447
y: 0.404**

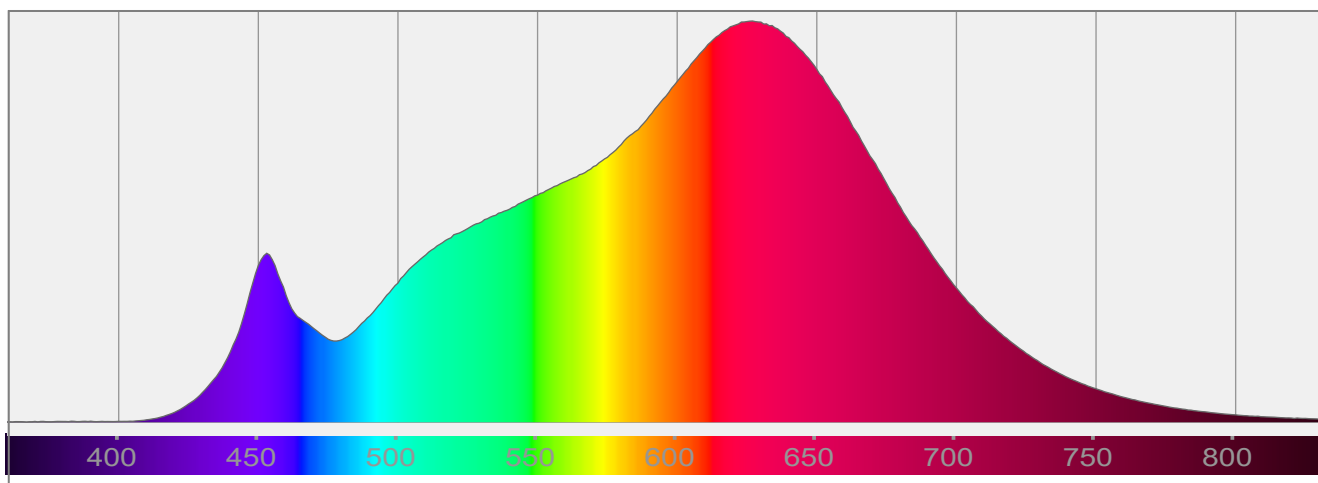
Output: 950 lm

Peak: 1828 cd

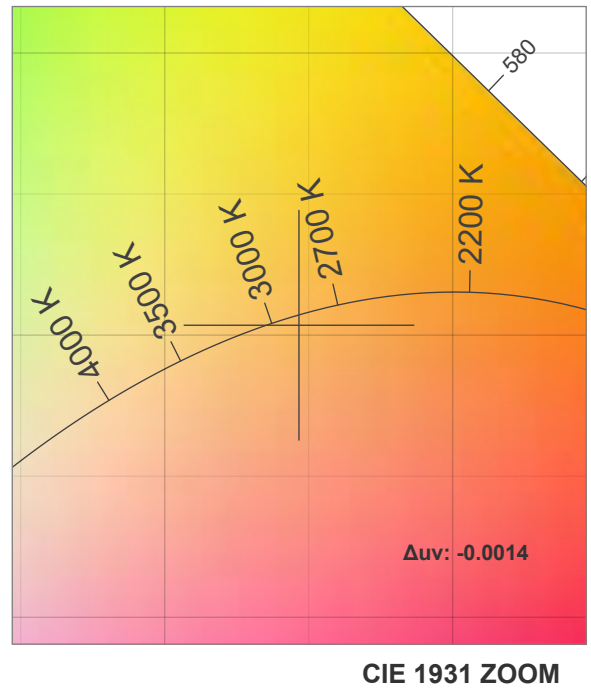
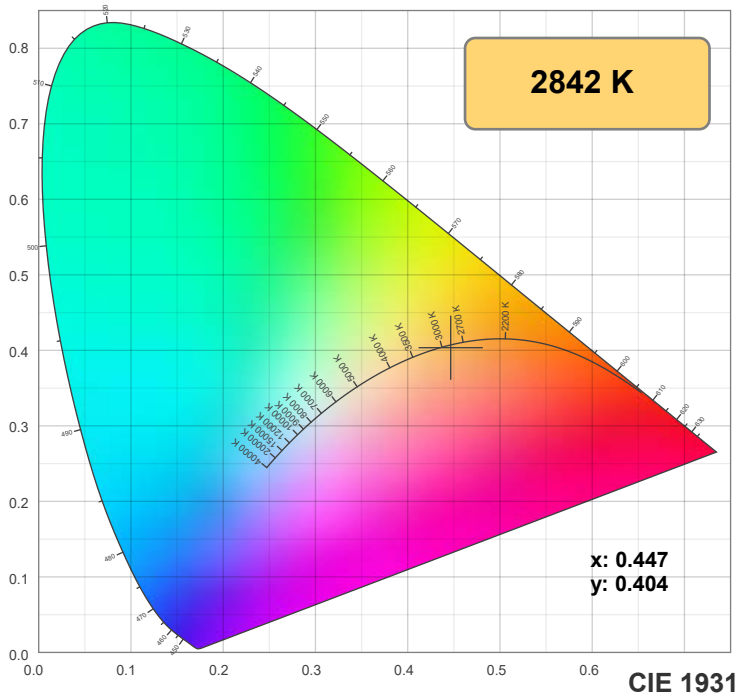
Power: 14.8 W

PF: 0.99

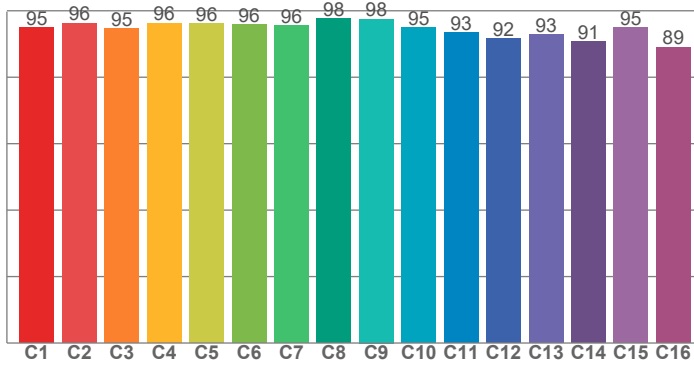
Spectra:



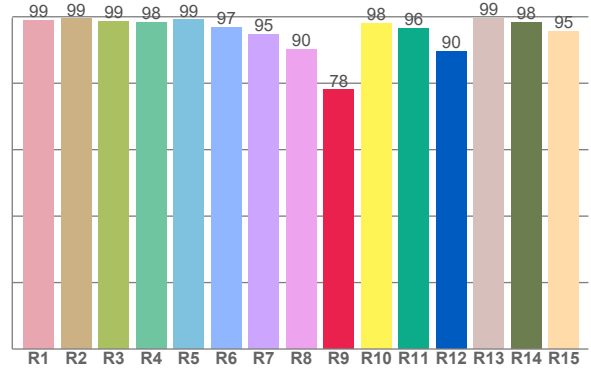
Color Details



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	98.5	98.4	99.0	96.8	94.8	90.1	78.0	97.9	96.4	89.6	99.5	98.2	95.5

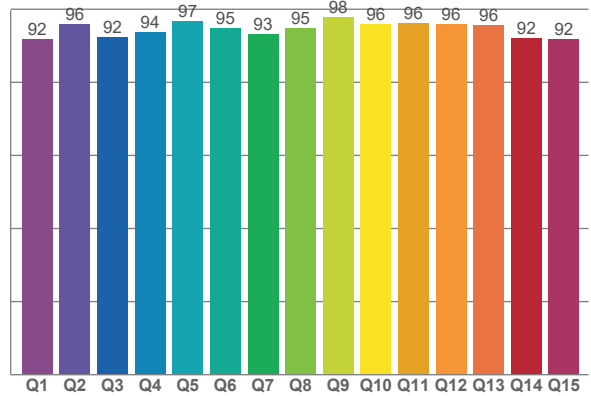
TM30 C Values:

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	97.6	97.5	95.0	93.3	91.7	92.7	90.8	94.9	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	94.9	93.1	94.8	97.7	95.9	96.3	96.0	95.5	92.1	91.8

CQS: 94.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2842 K	97.0	78.0	94.7	101.0	94.1	0.447	0.404	0.257	0.348	-0.0014

TM-30 Details

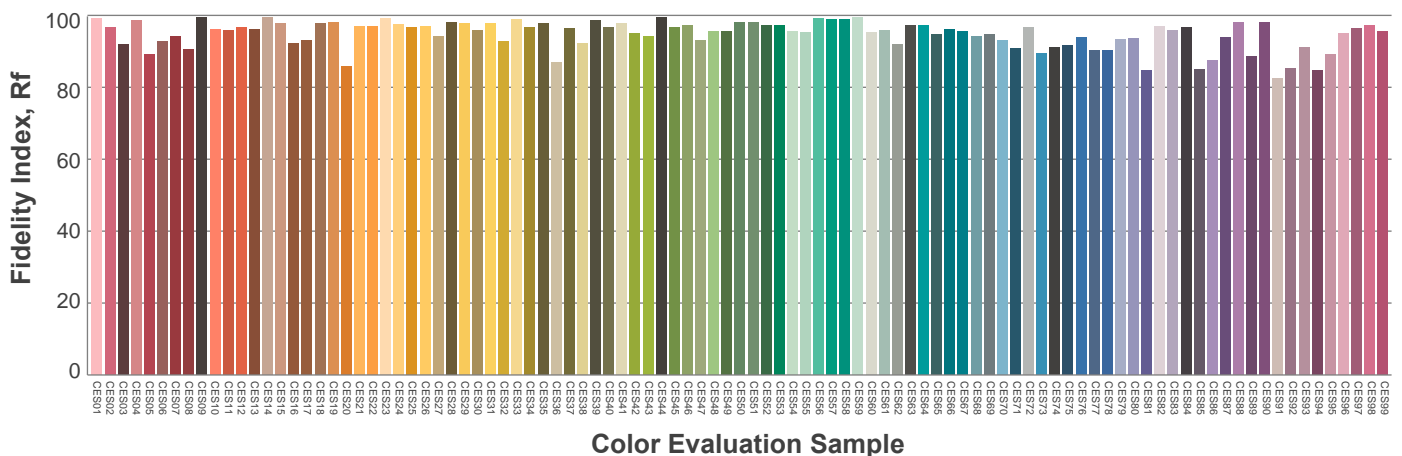
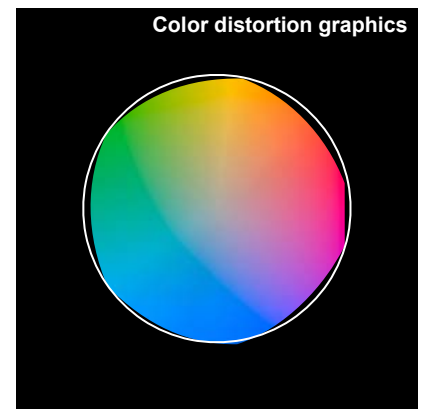
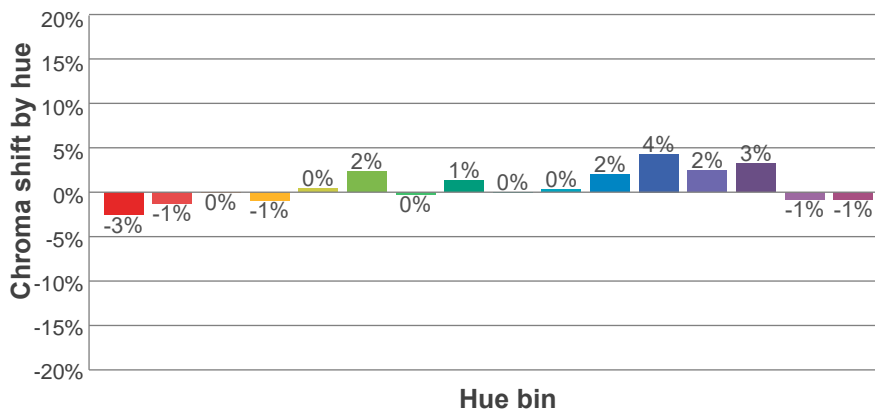
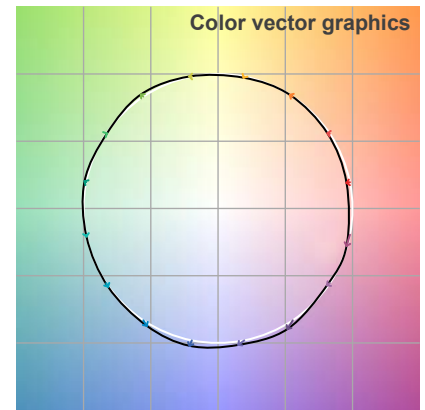
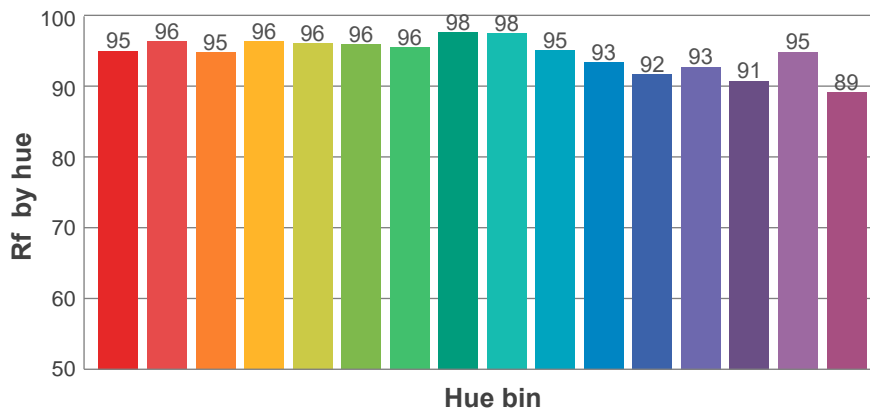
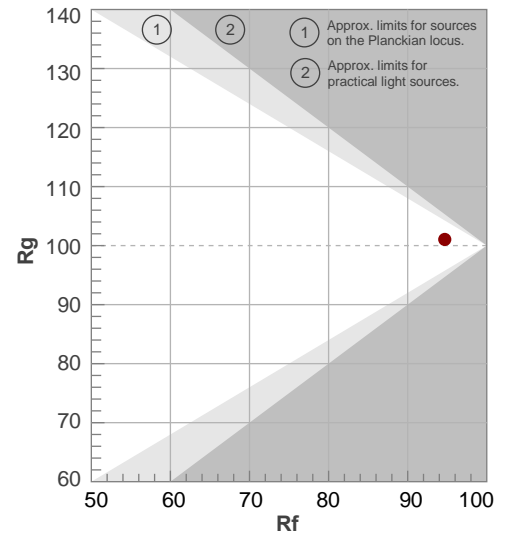
Rf 94.7

Fidelity index Rf

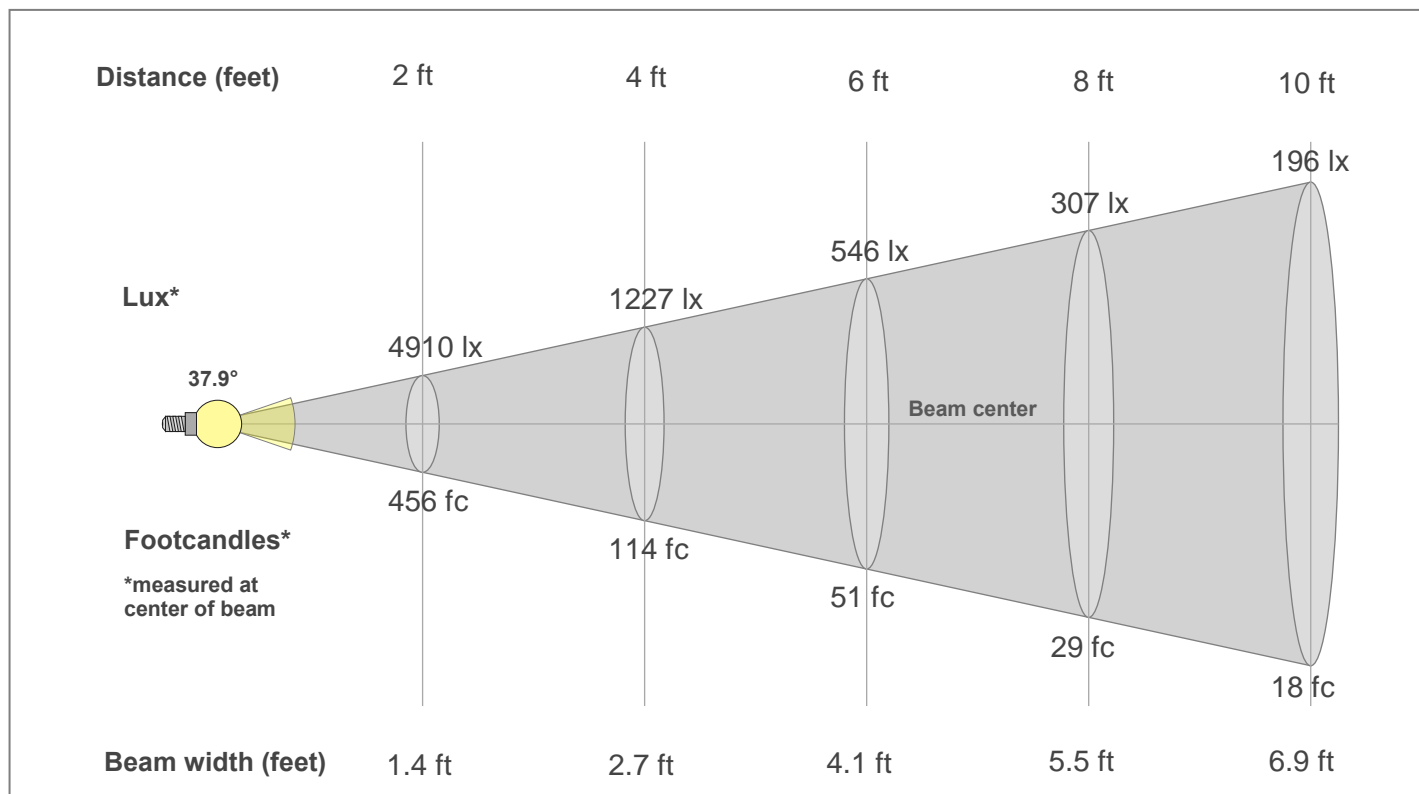
Rg 101.0

Gamut index Rg

Hue Bin	R _f	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	96	0%	-1%
8	98	1%	-1%
9	98	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
1824lx	456lx	203lx	114lx	73lx	51lx	37lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
169.5fc	42.4fc	18.8fc	10.6fc	6.8fc	4.7fc	3.5fc	2.6fc	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°
1824	1817	1776	1711	1624	1517	1396	1264	1123	980	841	713	597	498	414	341	280	228	185	150
100%	100%	97%	94%	89%	83%	77%	69%	62%	54%	46%	39%	33%	27%	23%	19%	15%	13%	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°
1824	1810	1772	1707	1621	1517	1397	1264	1123	980	842	712	599	499	414	343	281	229	187	151
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	46%	39%	33%	27%	23%	19%	15%	13%	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°
1824	1817	1776	1711	1624	1517	1396	1264	1123	980	841	713	597	498	414	341	280	228	185	150
100%	100%	97%	94%	89%	83%	77%	69%	62%	54%	46%	39%	33%	27%	23%	19%	15%	13%	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°
1824	1810	1772	1707	1621	1517	1397	1264	1123	980	842	712	599	499	414	343	281	229	187	151
100%	99%	97%	94%	89%	83%	77%	69%	62%	54%	46%	39%	33%	27%	23%	19%	15%	13%	10%	8%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.9°	72.4°	97.1°	99.3%	95.3%