

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FR-LG-P-1-WH/NL

Date:

6/30/2023



Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

3097 K

CIE 1931:

**x: 0.430
y: 0.400**

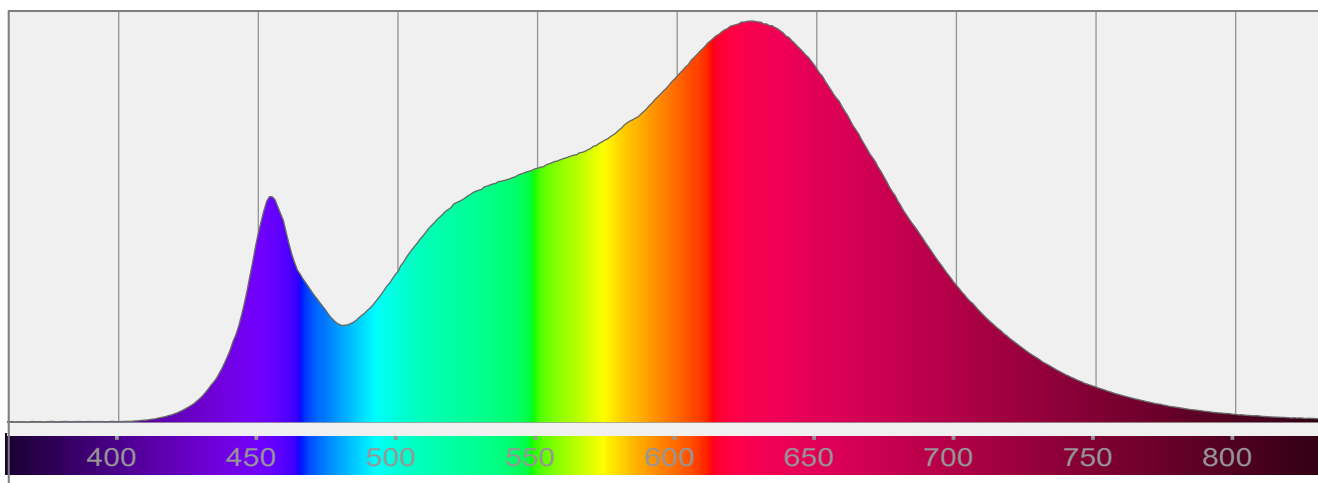
Output: 908 lm

Peak: 1786 cd

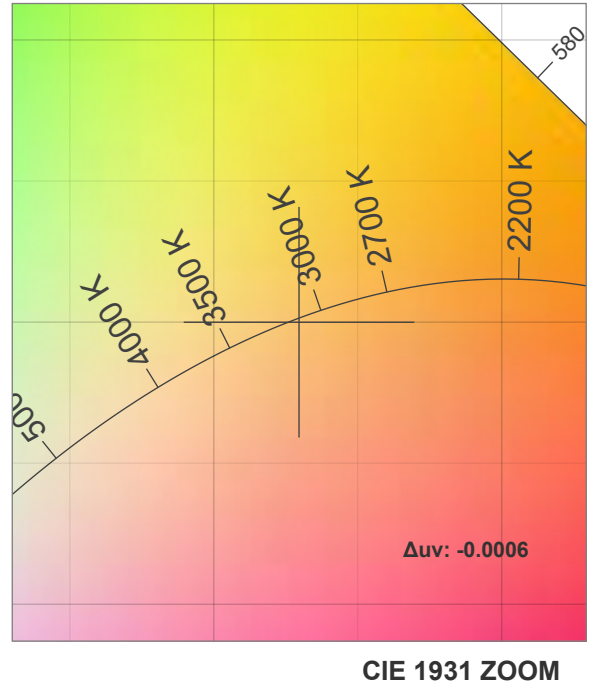
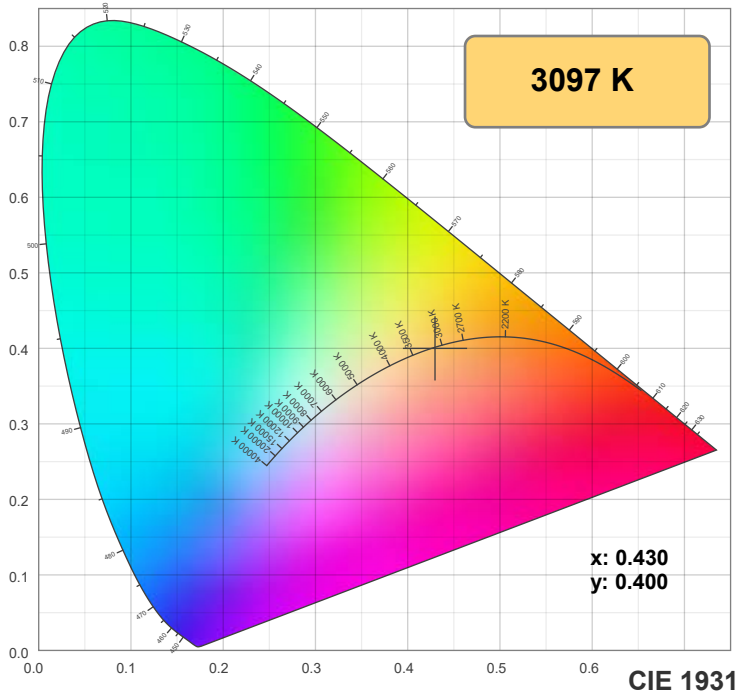
Power: 14.5 W

PF: 0.99

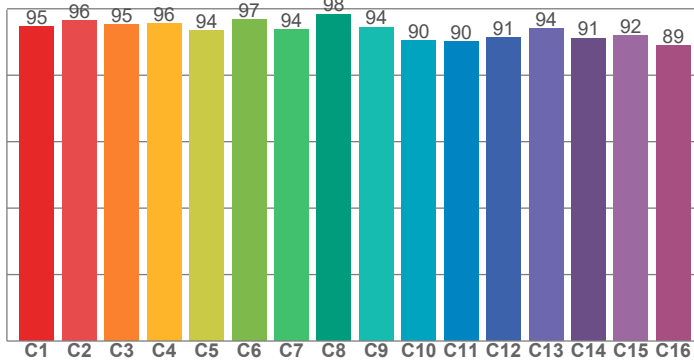
Spectra:



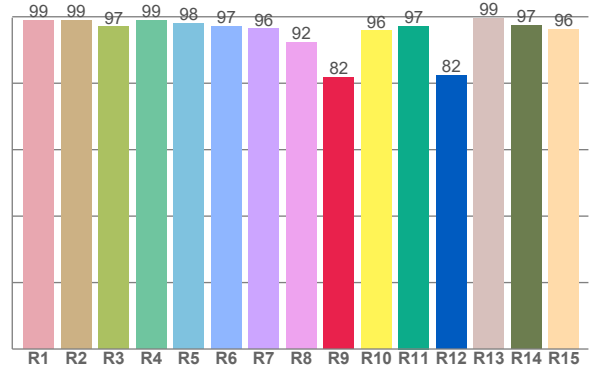
Color Details



TM-30: 93.7



CRI: 97.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.8	98.9	96.9	98.8	98.0	97.1	96.3	92.4	81.8	95.7	97.2	82.3	99.4	97.3	96.2

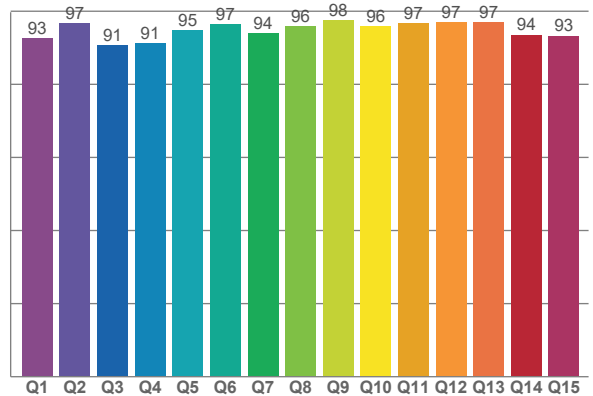
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.8	96.5	95.3	95.6	93.6	96.8	93.8	98.4	94.5	90.4	90.1	91.4	94.0	91.2	91.8	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.6	96.7	90.6	91.3	94.9	96.5	94.0	95.8	97.5	96.0	96.7	97.1	97.1	93.6	93.3

CQS: 94.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3097 K	97.2	81.8	93.7	100.5	94.3	0.430	0.400	0.248	0.346	-0.0006

TM-30 Details

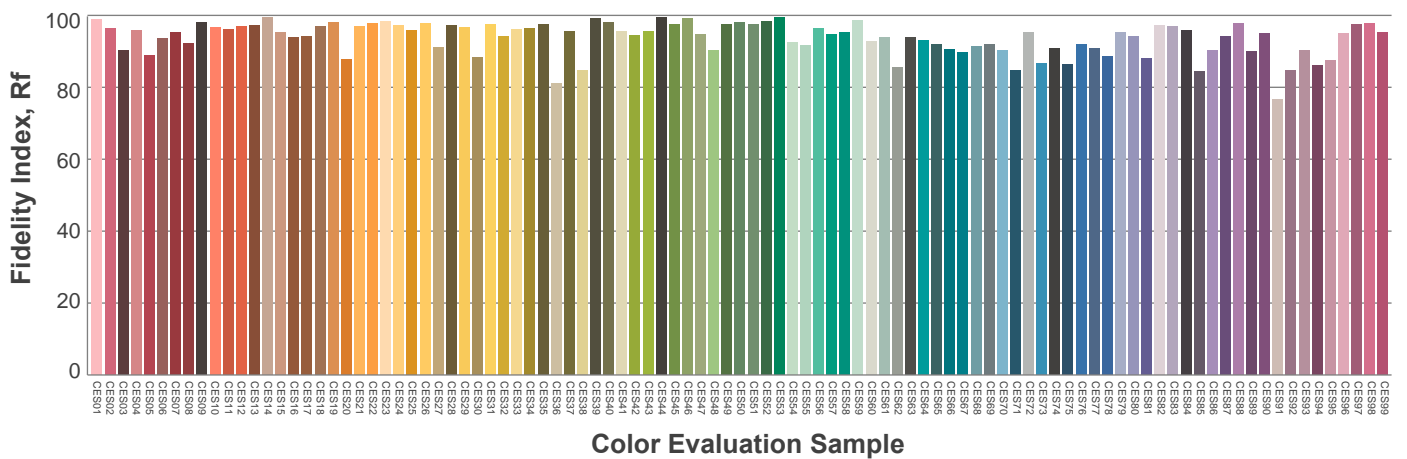
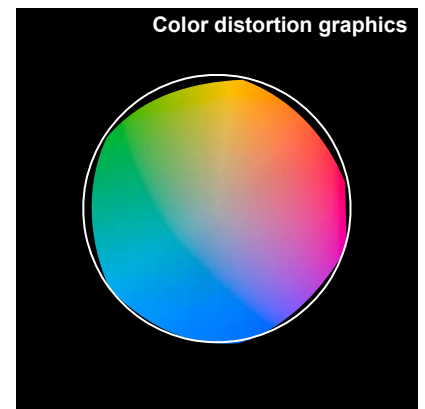
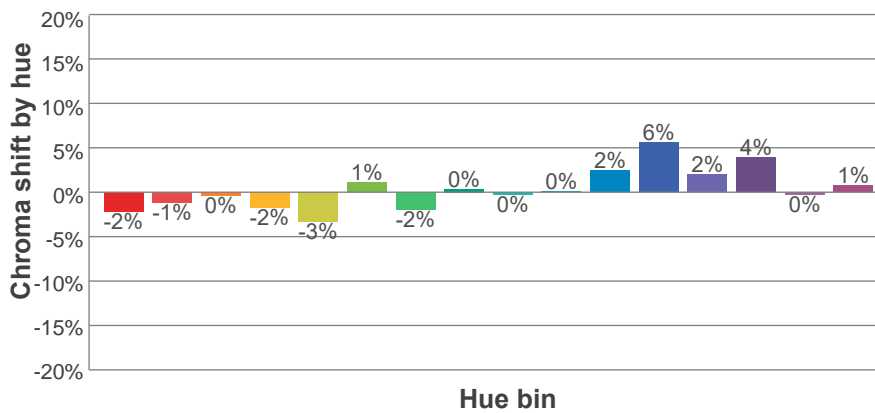
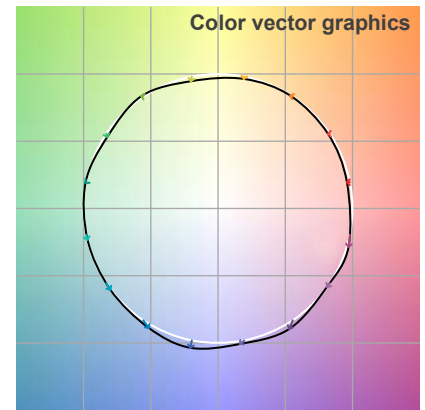
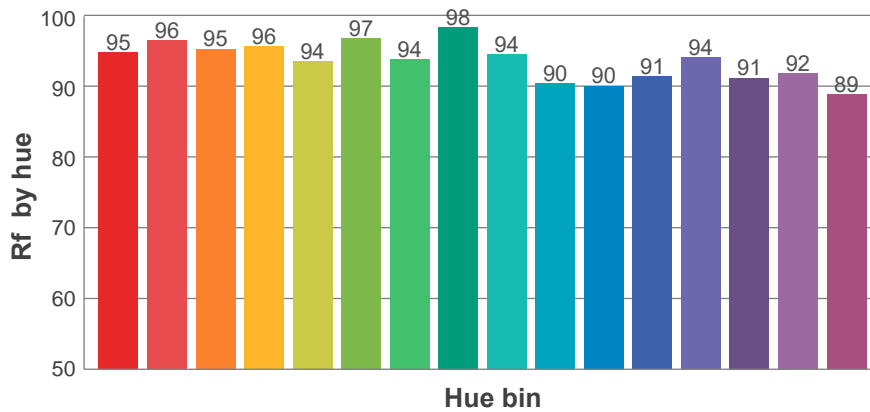
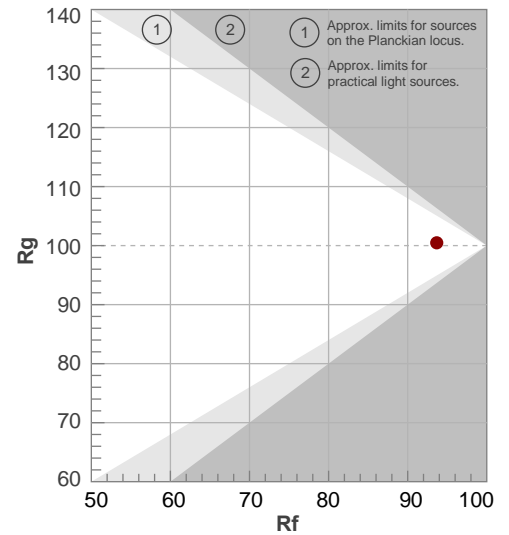
Rf 93.7

Fidelity index Rf

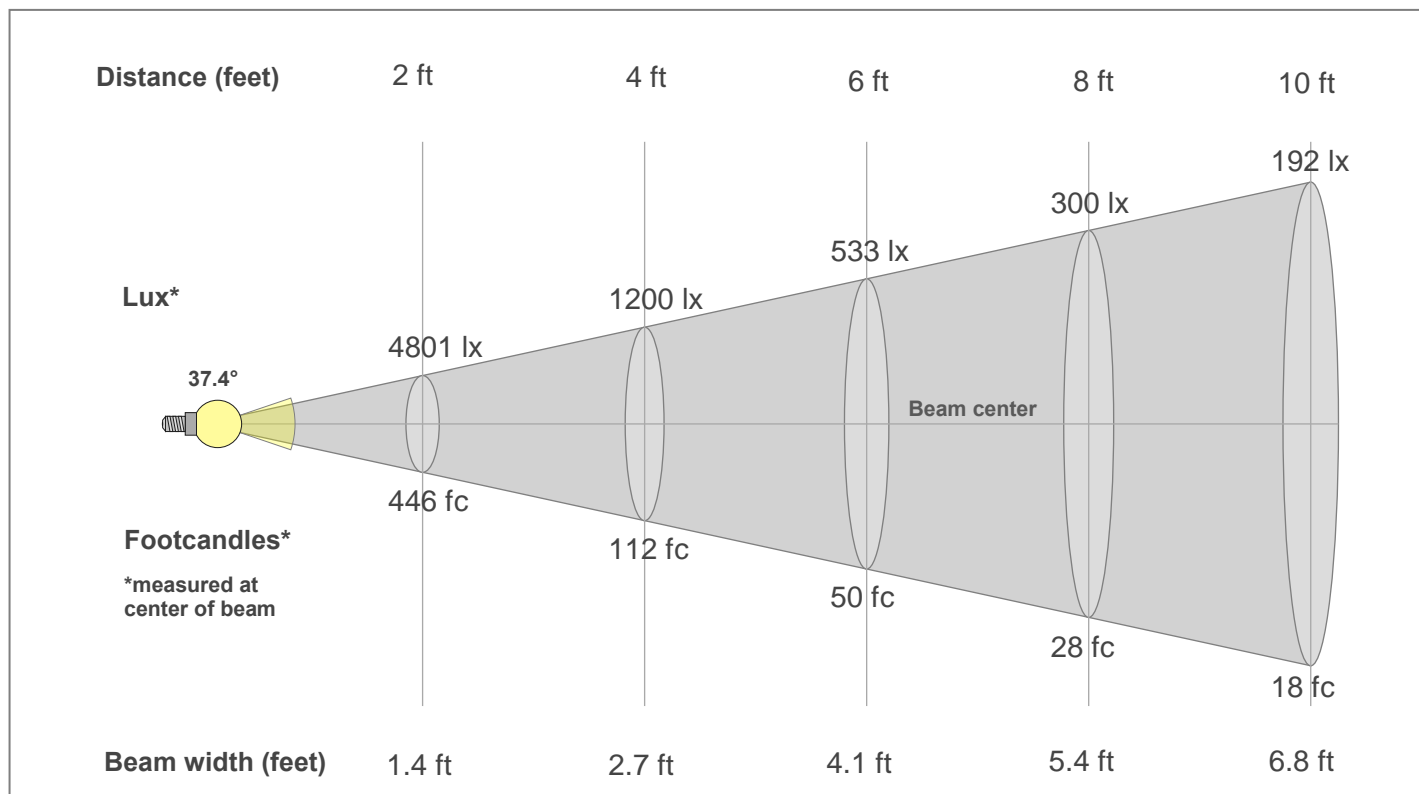
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	95	0%	2%
4	96	-2%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	0%	1%
9	94	0%	4%
10	90	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
1784lx	446lx	198lx	112lx	71lx	50lx	36lx	28lx	22lx	18lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx
165.7fc	41.4fc	18.4fc	10.4fc	6.6fc	4.6fc	3.4fc	2.6fc	2fc	1.7fc	1.4fc	1.2fc	1fc	0.8fc	0.7fc	0.6fc	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°
1784	1773	1733	1667	1580	1473	1354	1222	1082	939	806	679	567	469	388	319	261	212	172	139
100%	99%	97%	93%	89%	83%	76%	69%	61%	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°
1784	1770	1731	1664	1579	1473	1354	1224	1085	944	810	683	572	475	394	325	265	216	175	141
100%	99%	97%	93%	88%	83%	76%	69%	61%	53%	45%	38%	32%	27%	22%	18%	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°
1784	1773	1733	1667	1580	1473	1354	1222	1082	939	806	679	567	469	388	319	261	212	172	139
100%	99%	97%	93%	89%	83%	76%	69%	61%	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°
1784	1770	1731	1664	1579	1473	1354	1224	1085	944	810	683	572	475	394	325	265	216	175	141
100%	99%	97%	93%	88%	83%	76%	69%	61%	53%	45%	38%	32%	27%	22%	18%	15%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
37.4°	71.5°	96.2°	99.3%	95.4%