

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-WD-40-PR1-8.5-350-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

1/23/2024



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 97.3

Color temperature:

3117 K

CIE 1931:

**x: 0.428
y: 0.400**

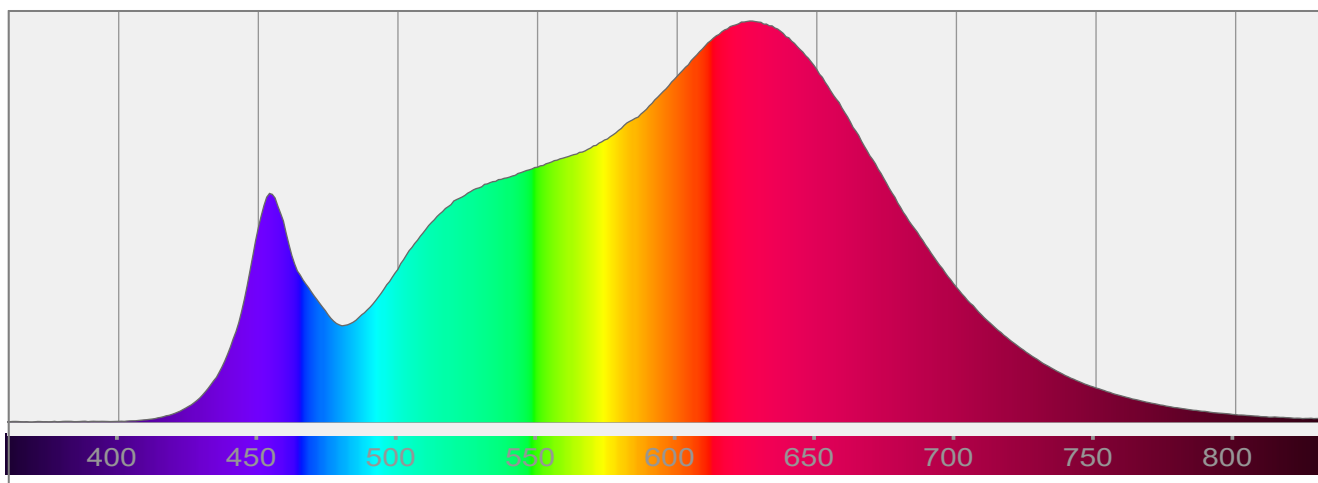
Output: 891 lm

Peak: 1775 cd

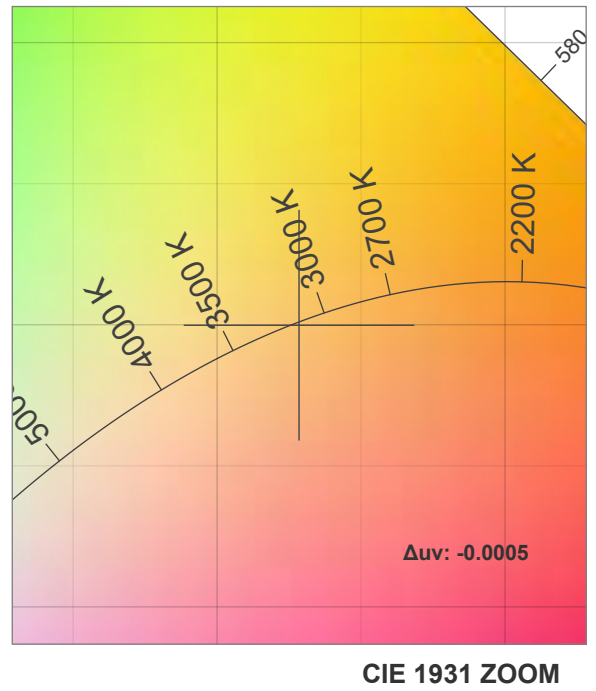
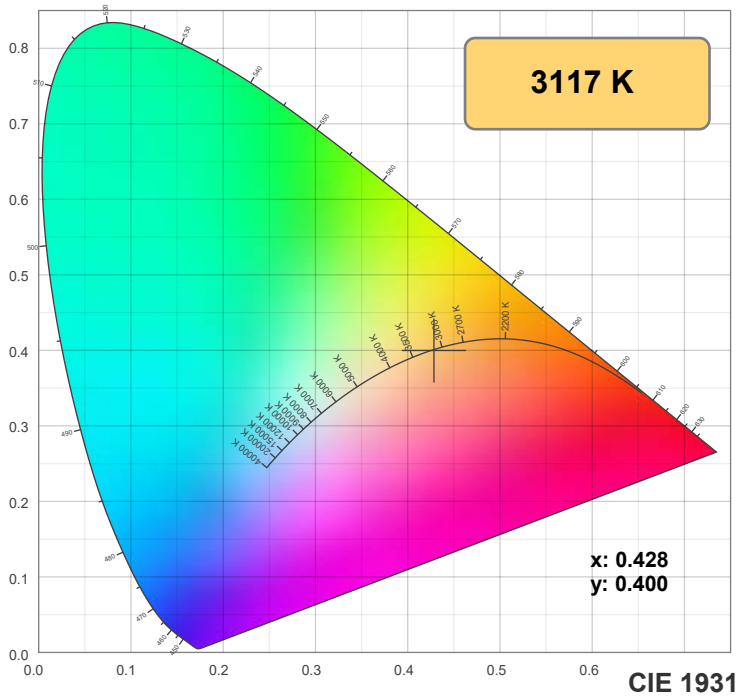
Power: 14.4 W

PF: 0.99

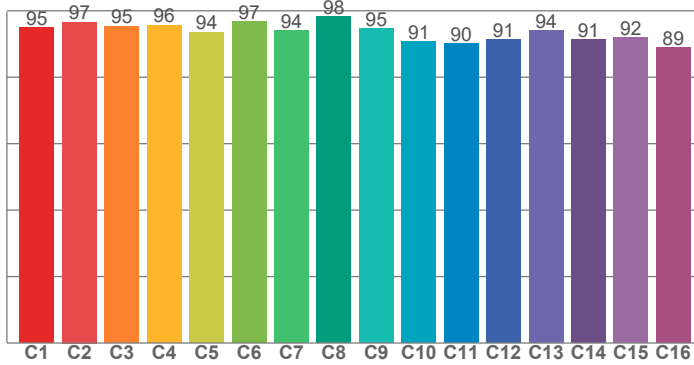
Spectra:



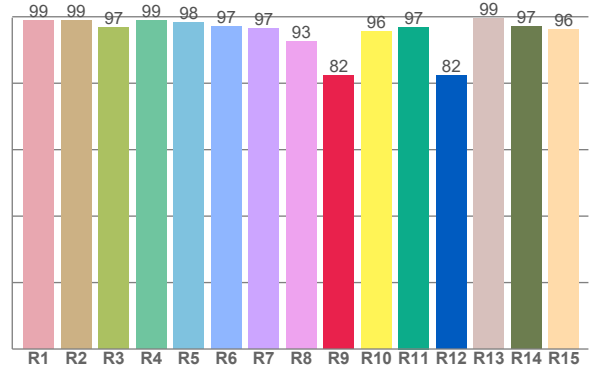
Color Details



TM-30: 93.8



CRI: 97.3 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.9	98.9	96.7	98.9	98.2	97.2	96.6	92.7	82.2	95.6	96.9	82.3	99.4	97.2	96.3

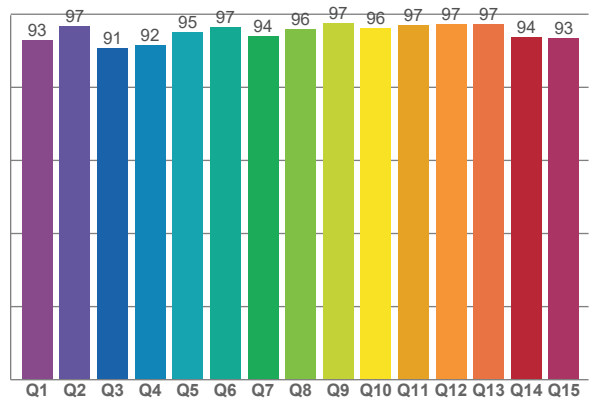
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.9	96.6	95.4	95.7	93.6	96.7	93.9	98.3	94.7	90.6	90.1	91.4	94.1	91.3	91.9	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.8	96.8	90.7	91.5	95.2	96.5	94.1	96.0	97.5	96.1	96.9	97.4	97.3	93.7	93.4

CQS: 94.5



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3117 K	97.3	82.2	93.8	100.6	94.5	0.428	0.400	0.247	0.346	-0.0005

TM-30 Details

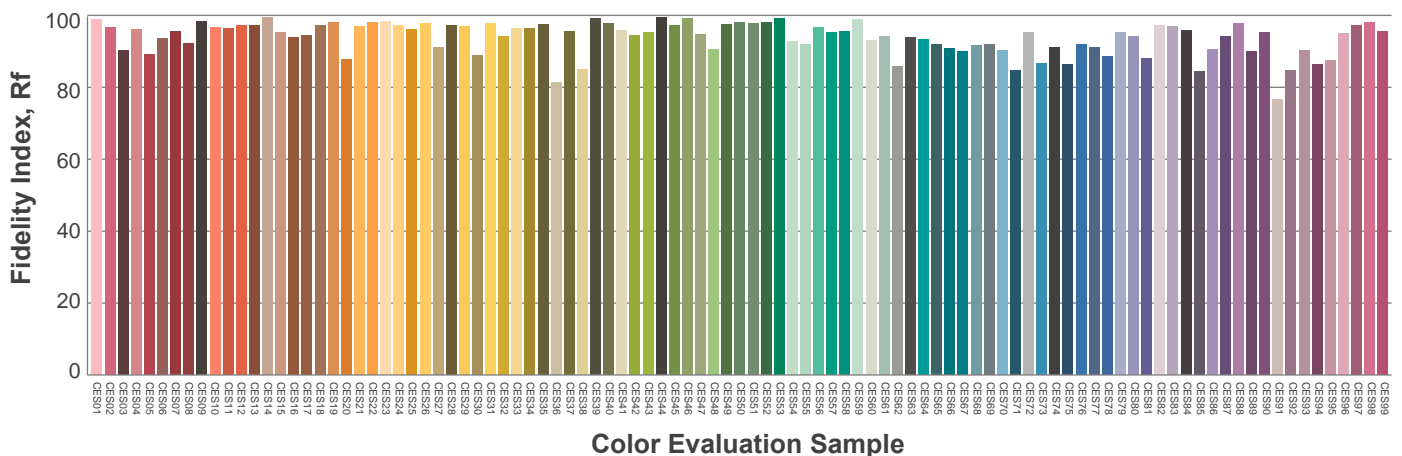
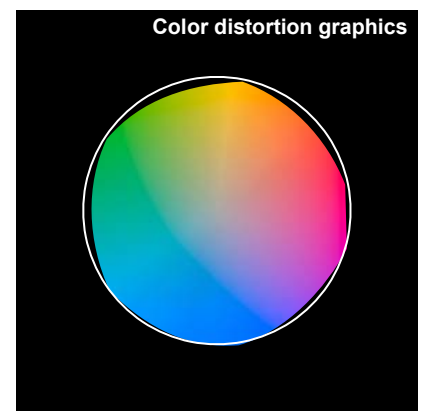
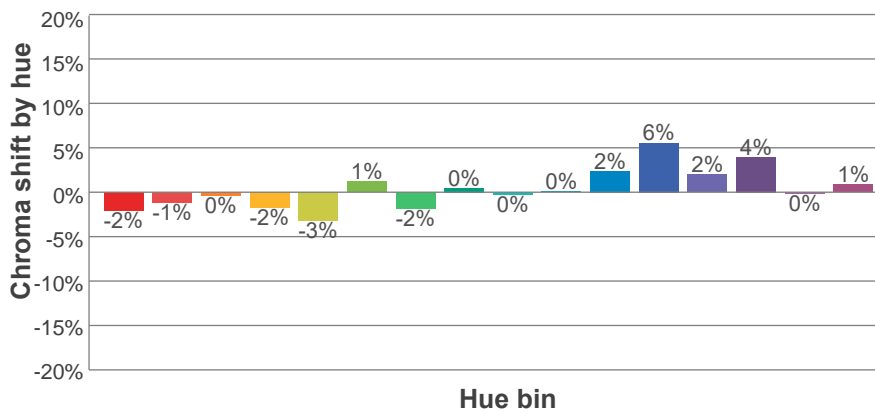
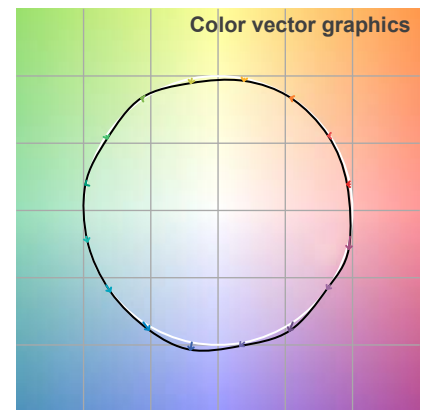
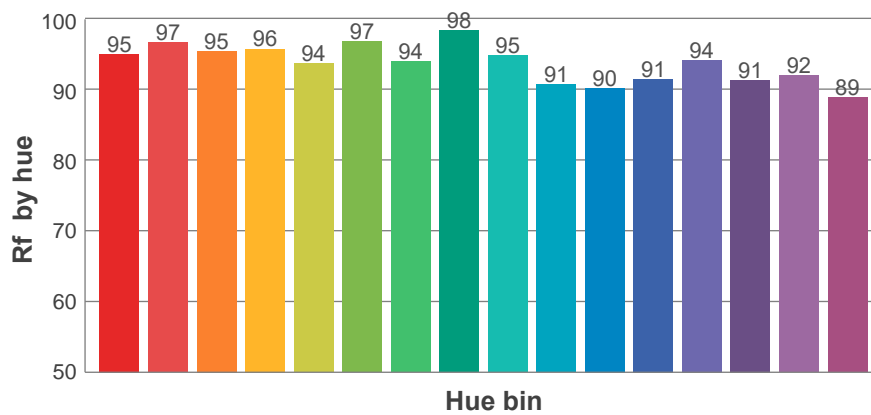
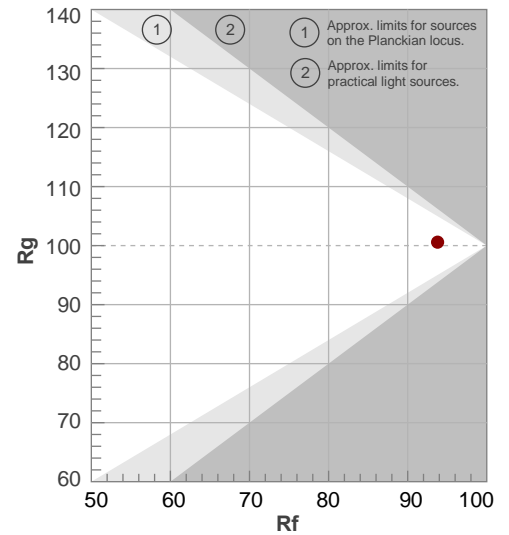
Rf 93.8

Fidelity index Rf

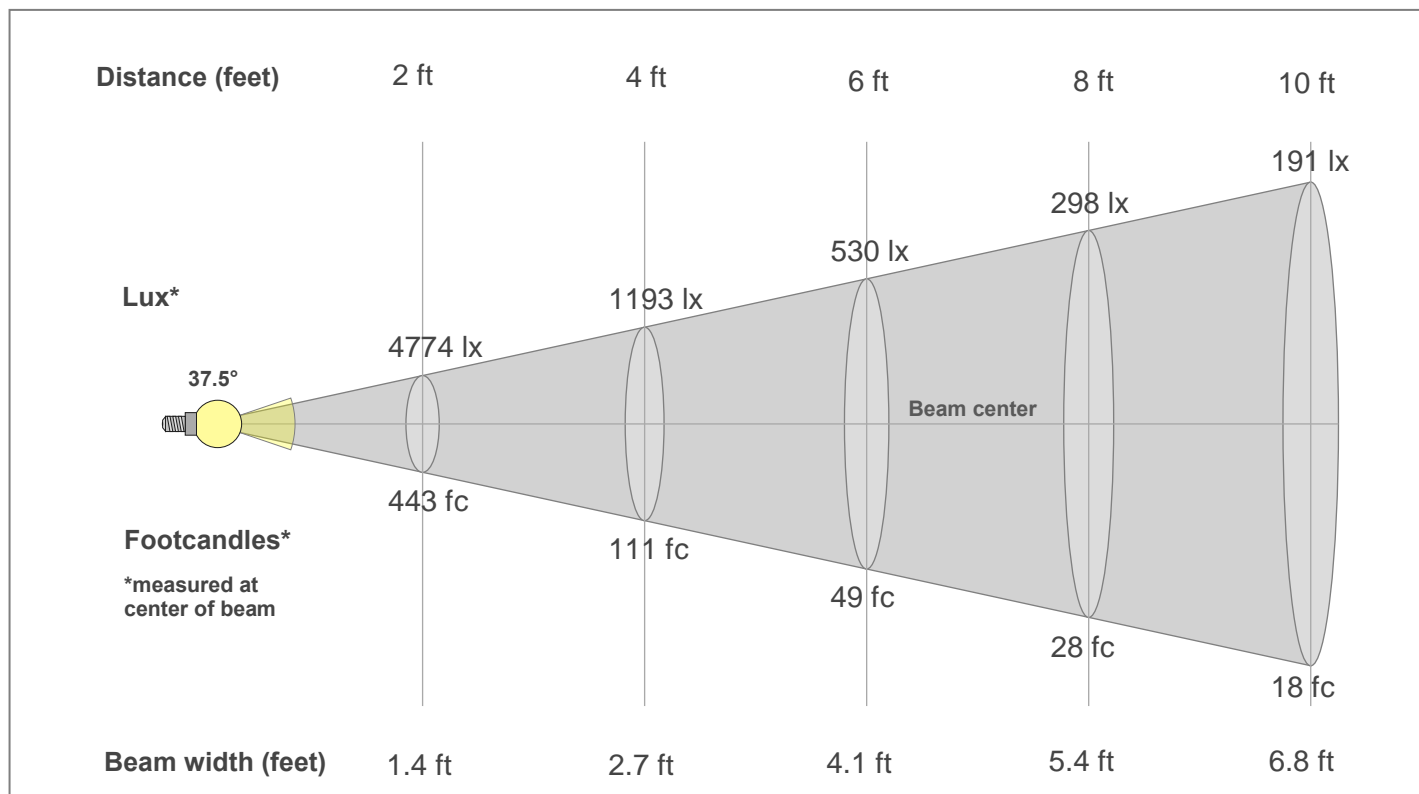
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-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%	0%
9	95	0%	4%
10	91	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
1774lx	443lx	197lx	111lx	71lx	49lx	36lx	28lx	22lx	18lx	15lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
164.8fc	41.2fc	18.3fc	10.3fc	6.6fc	4.6fc	3.4fc	2.6fc	2fc	1.6fc	1.4fc	1.1fc	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°
1774	1763	1720	1653	1566	1461	1345	1216	1078	938	806	683	572	476	395	326	267	217	174	139
100%	99%	97%	93%	88%	82%	76%	69%	61%	53%	45%	38%	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°
1774	1759	1716	1650	1564	1459	1342	1212	1074	936	803	679	567	470	390	321	262	213	171	137
100%	99%	97%	93%	88%	82%	76%	68%	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°
1774	1763	1720	1653	1566	1461	1345	1216	1078	938	806	683	572	476	395	326	267	217	174	139
100%	99%	97%	93%	88%	82%	76%	69%	61%	53%	45%	38%	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°
1774	1759	1716	1650	1564	1459	1342	1212	1074	936	803	679	567	470	390	321	262	213	171	137
100%	99%	97%	93%	88%	82%	76%	68%	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°
37.5°	71.5°	93.2°	99.5%	96.5%