

Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

FR-LG-P-1-WH/NL

Date:

1/22/2024



Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

3118 K

CIE 1931:

**x: 0.429
y: 0.400**

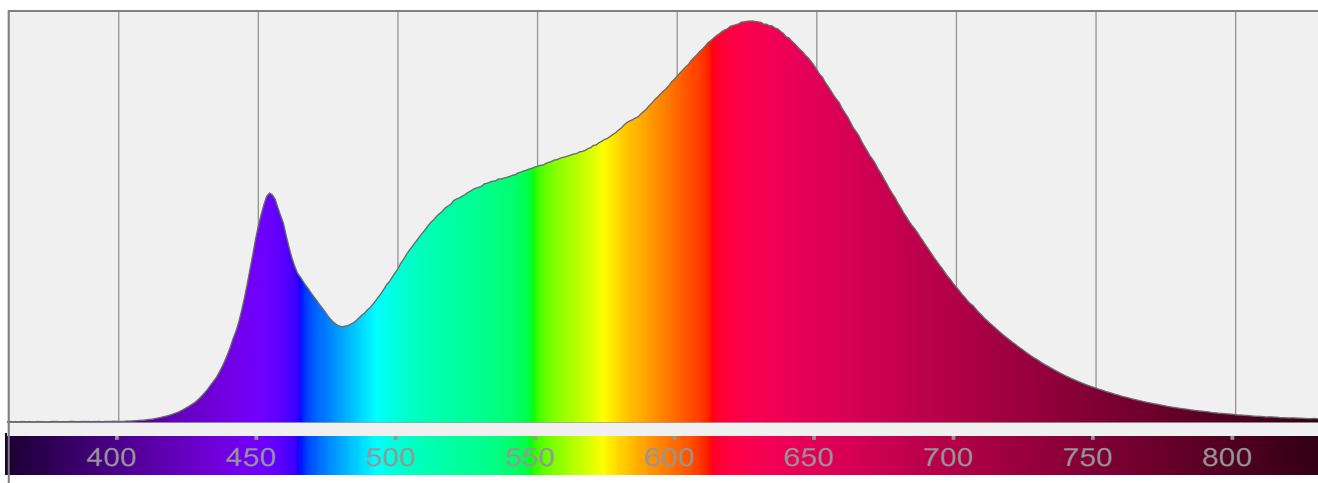
Output: 902 lm

Peak: 1809 cd

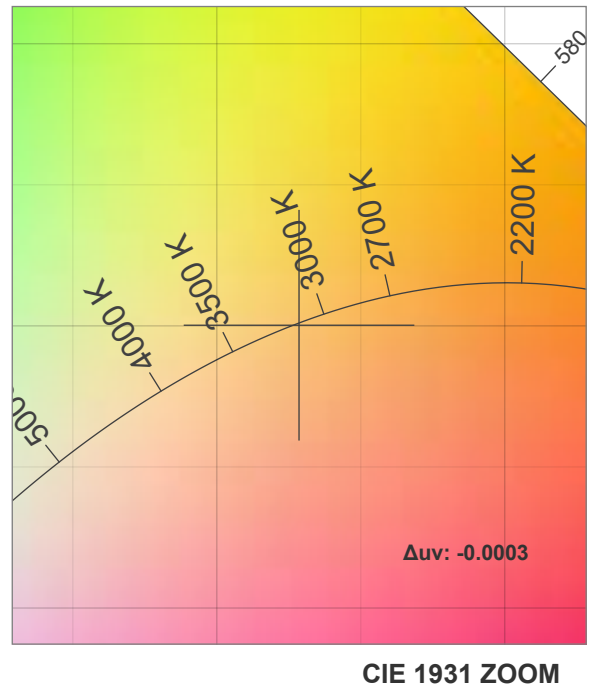
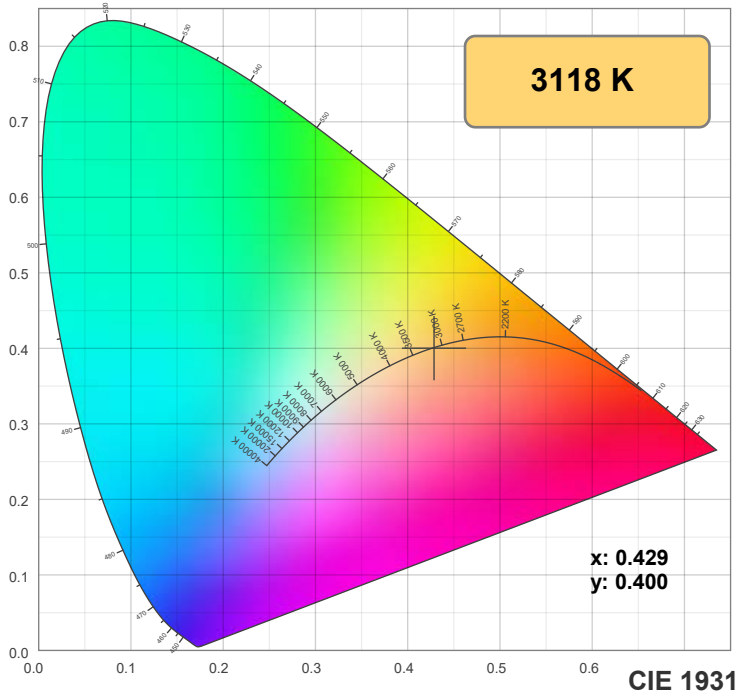
Power: 14.7 W

PF: 0.99

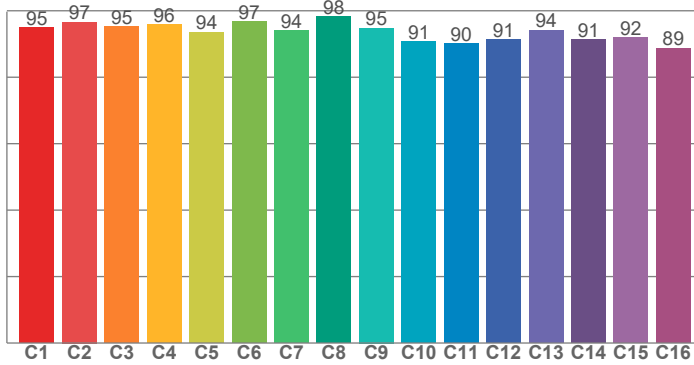
Spectra:



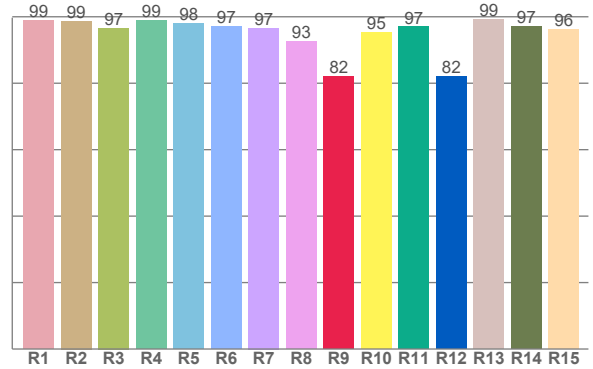
Color Details



TM-30: 93.8



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	98.7	96.6	98.8	98.1	97.2	96.6	92.6	81.9	95.3	96.9	82.2	99.3	97.1	96.1

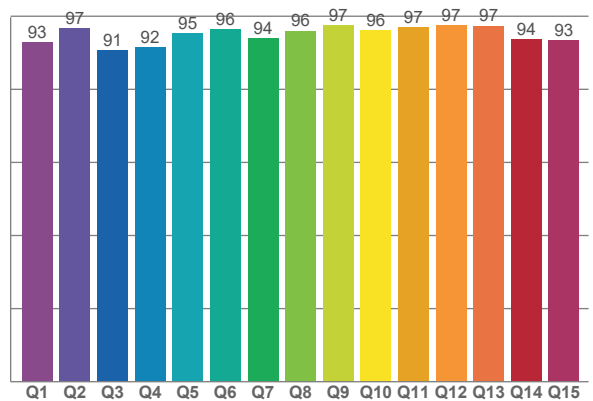
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.9	96.6	95.3	95.7	93.6	96.7	94.0	98.3	94.8	90.7	90.1	91.4	94.2	91.3	92.0	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.8	96.8	90.6	91.6	95.2	96.4	94.0	96.0	97.5	96.0	96.9	97.4	97.4	93.7	93.4

CQS: 94.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3118 K	97.2	81.9	93.8	100.6	94.4	0.429	0.400	0.247	0.346	-0.0003

TM-30 Details

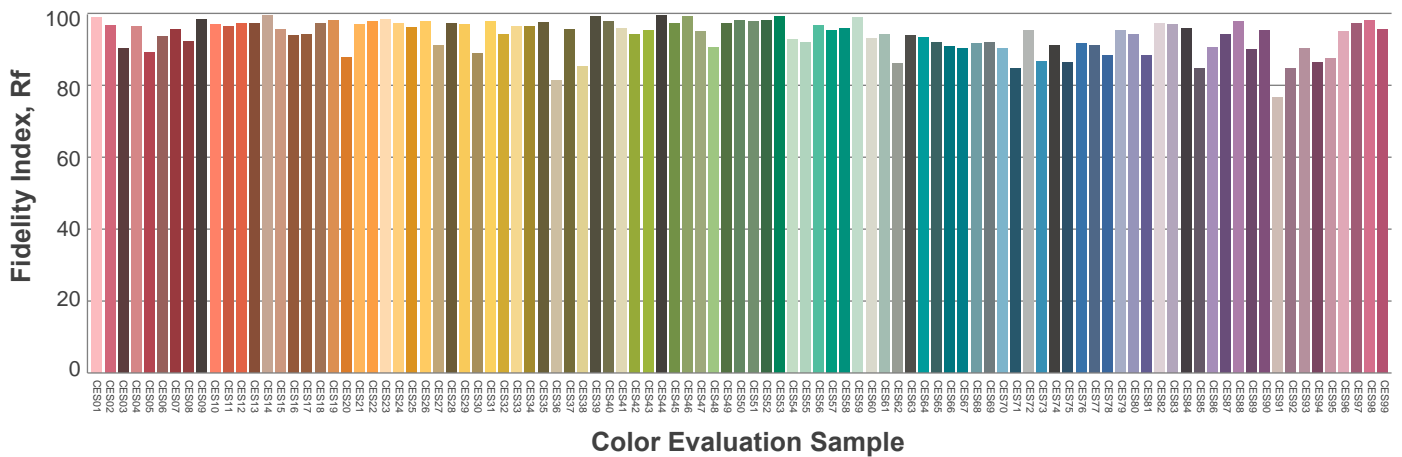
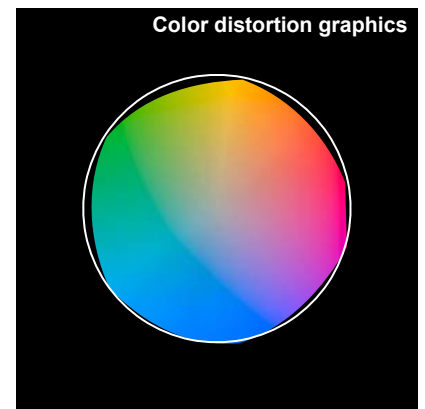
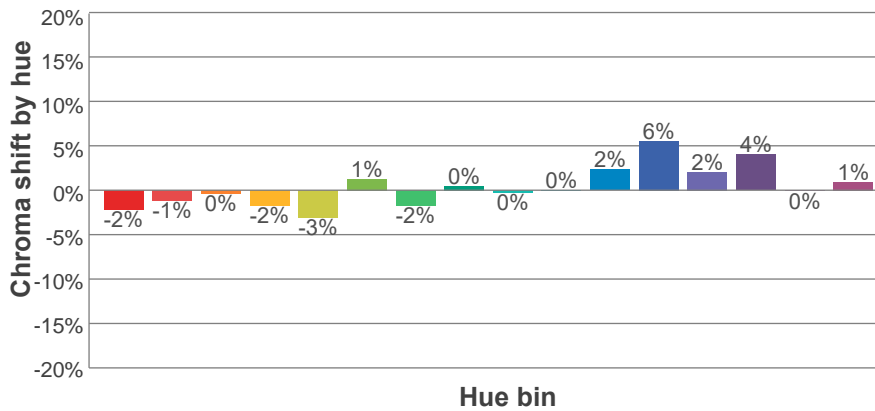
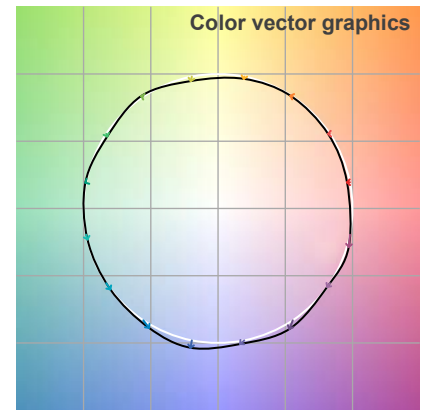
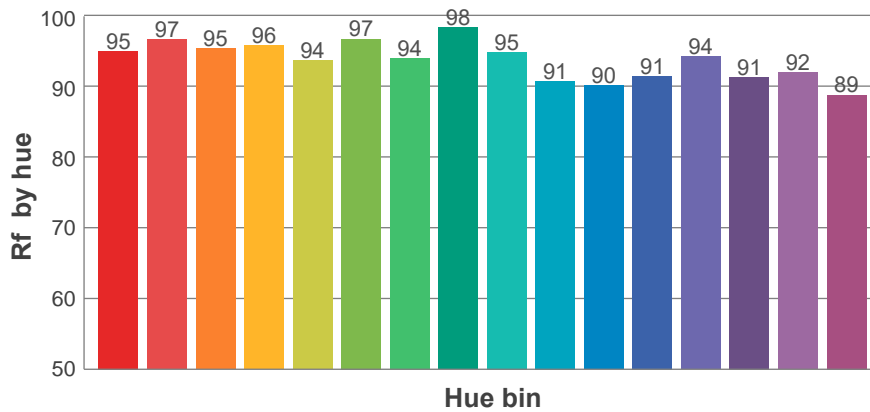
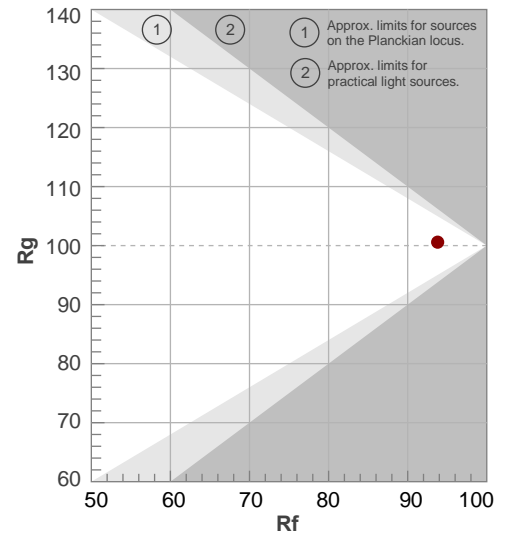
Rf 93.8

Fidelity index Rf

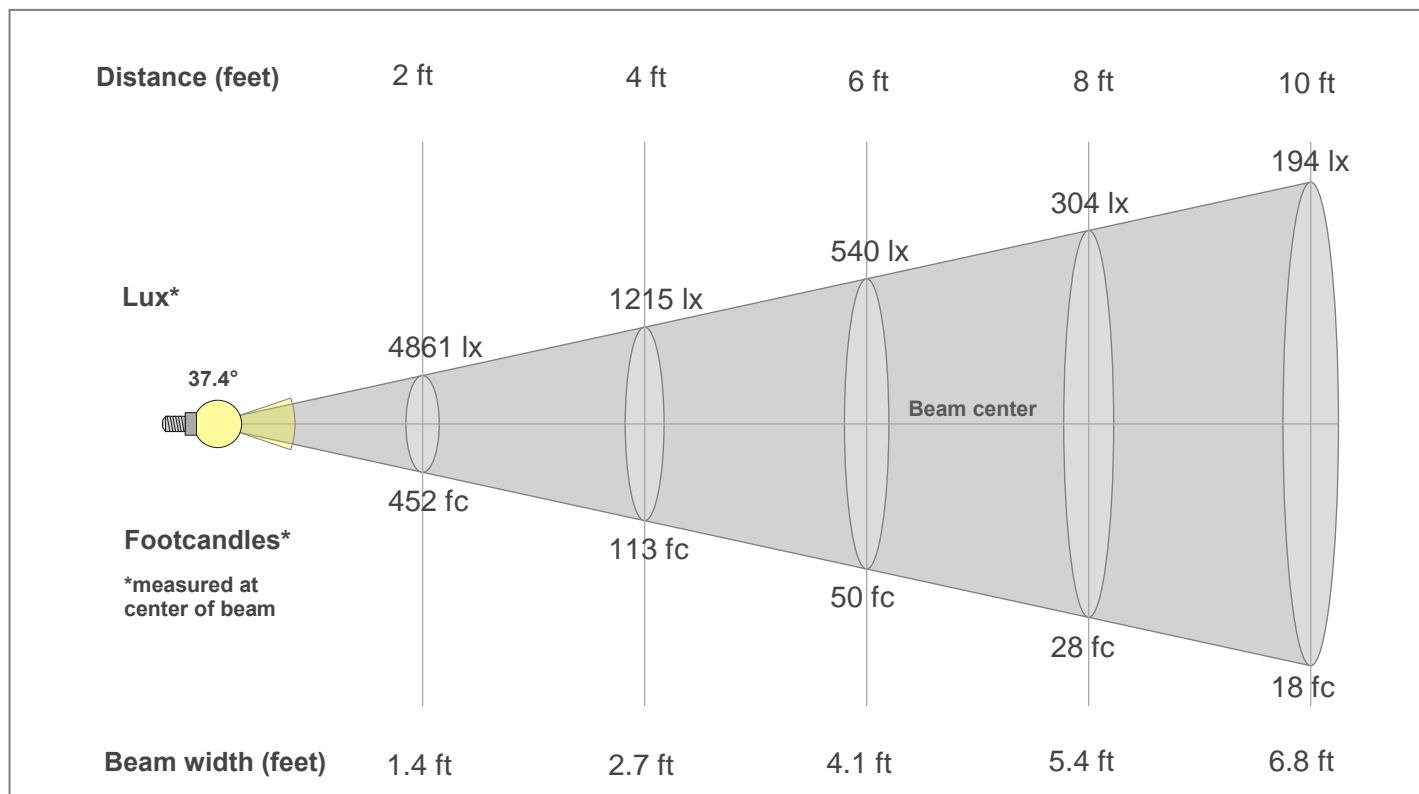
Rg 100.6

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%	-3%
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
1806lx	452lx	201lx	113lx	72lx	50lx	37lx	28lx	22lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
167.8fc	42fc	18.6fc	10.5fc	6.7fc	4.7fc	3.4fc	2.6fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.7fc	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°
1806	1796	1751	1683	1595	1488	1369	1238	1098	955	820	695	583	484	402	331	271	219	175	140
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°
1806	1791	1748	1678	1590	1484	1365	1234	1093	951	816	691	577	479	397	327	266	216	173	138
100%	99%	97%	93%	88%	82%	76%	68%	60%	53%	45%	38%	32%	26%	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°
1806	1796	1751	1683	1595	1488	1369	1238	1098	955	820	695	583	484	402	331	271	219	175	140
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°
1806	1791	1748	1678	1590	1484	1365	1234	1093	951	816	691	577	479	397	327	266	216	173	138
100%	99%	97%	93%	88%	82%	76%	68%	60%	53%	45%	38%	32%	26%	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°	71.4°	92.1°	99.5%	96.8%