

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-WD-2-25-PR1-8.5-350-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

2/2/2024



Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

2928 K

CIE 1931:

**x: 0.440
y: 0.400**

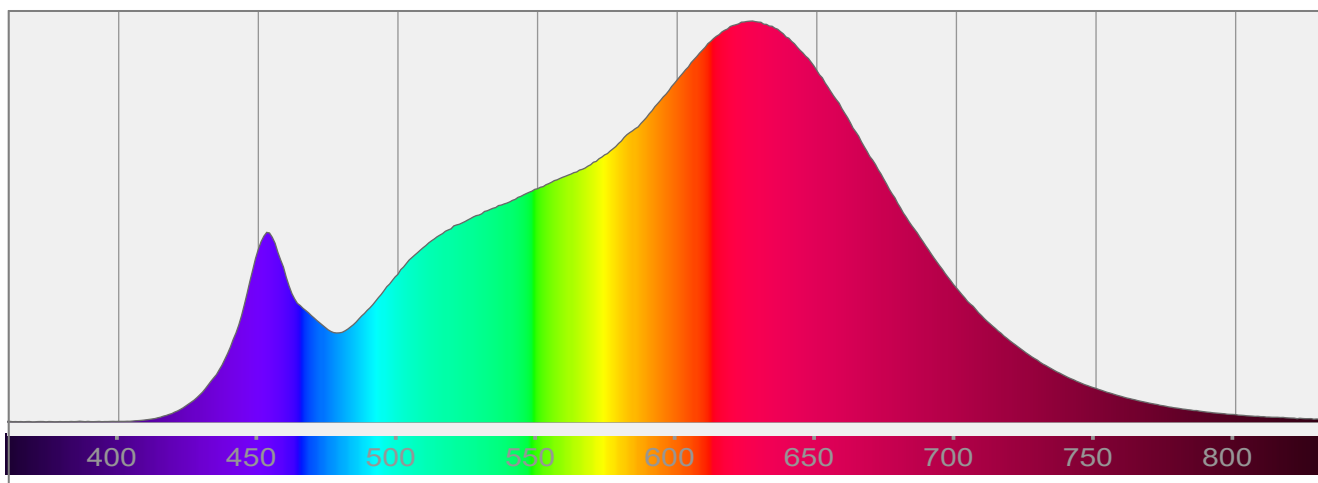
Output: 797 lm

Peak: 2278 cd

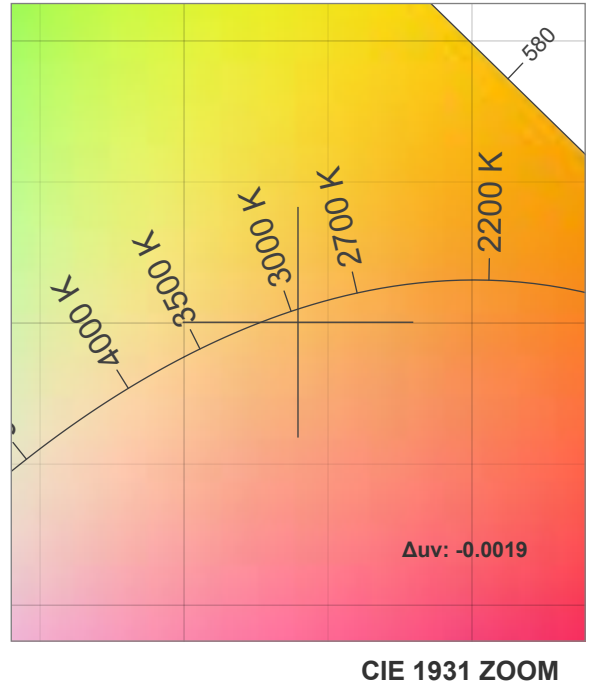
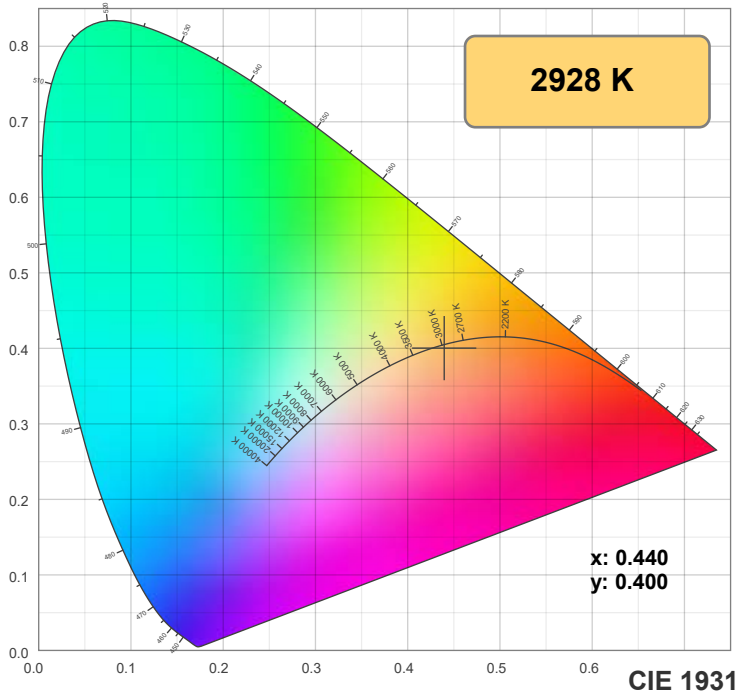
Power: 14.9 W

PF: 0.99

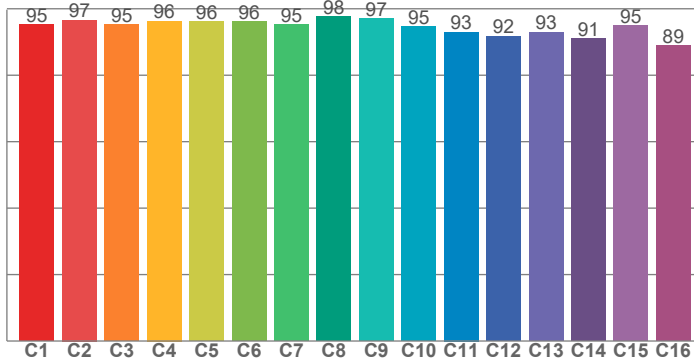
Spectra:



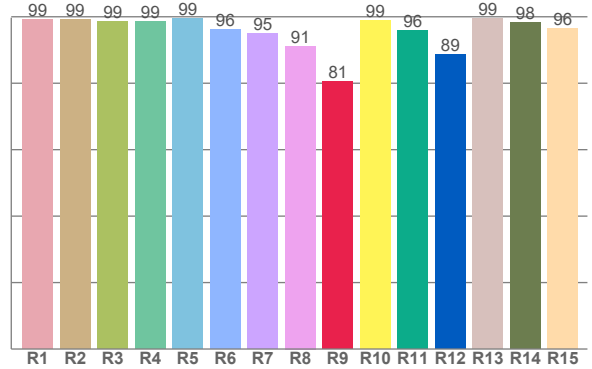
Color Details



TM-30: 94.7



CRI: 97.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.3	99.3	98.7	98.6	99.5	96.3	95.1	91.2	80.6	98.9	95.9	88.7	99.4	98.4	96.5

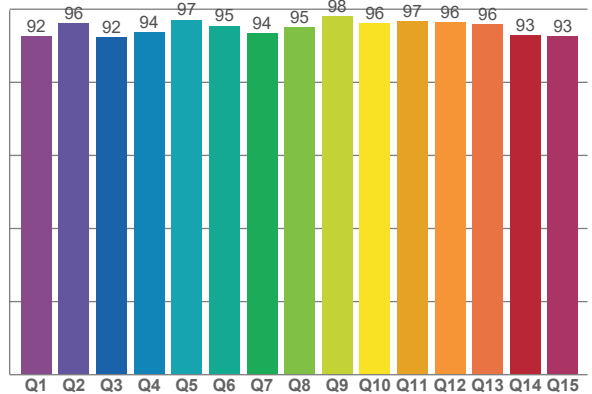
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.3	96.6	95.3	96.3	96.1	96.1	95.2	97.7	97.1	94.5	93.0	91.8	93.0	90.9	94.8	89.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.5	96.2	92.4	93.8	97.1	95.5	93.5	95.2	98.0	96.3	96.6	96.3	95.9	92.9	92.6

CQS: 94.5



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2928 K	97.2	80.6	94.7	101.1	94.5	0.440	0.400	0.254	0.347	-0.0019

TM-30 Details

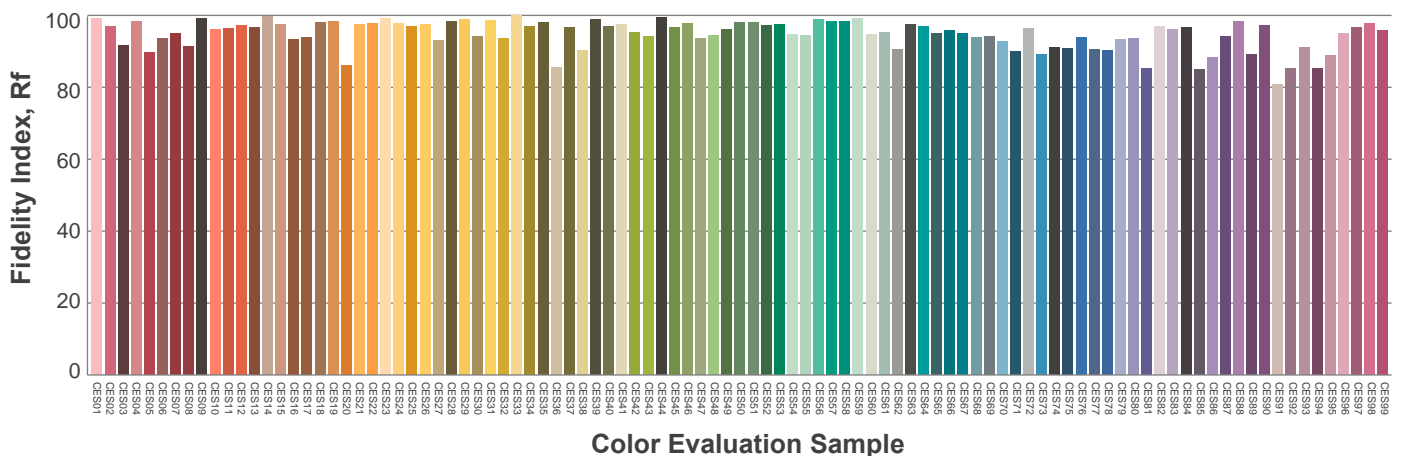
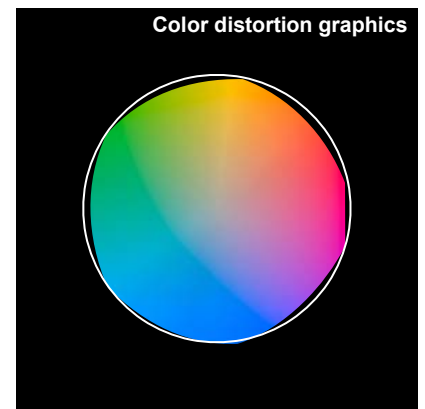
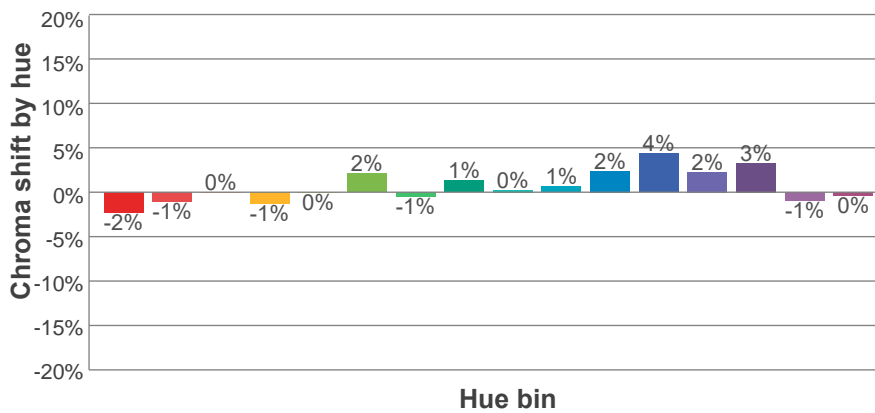
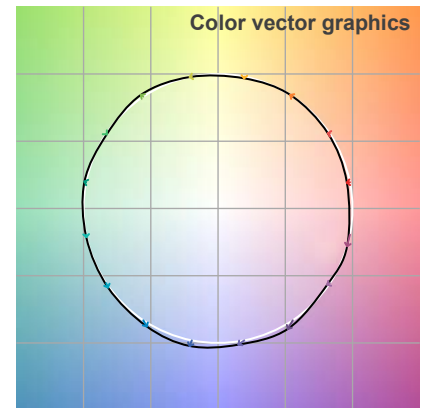
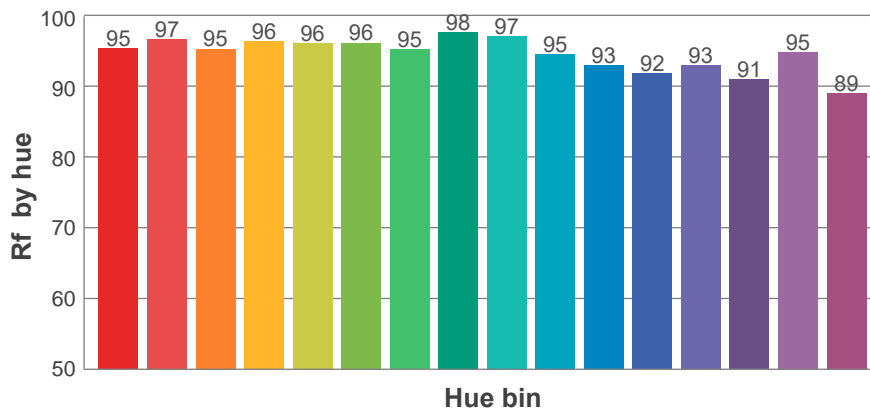
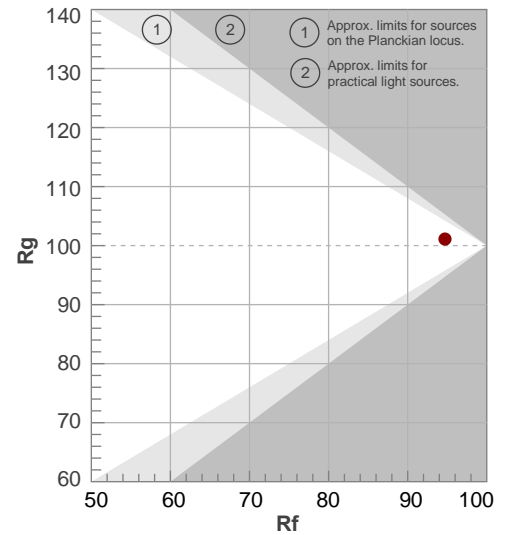
Rf 94.7

Fidelity index Rf

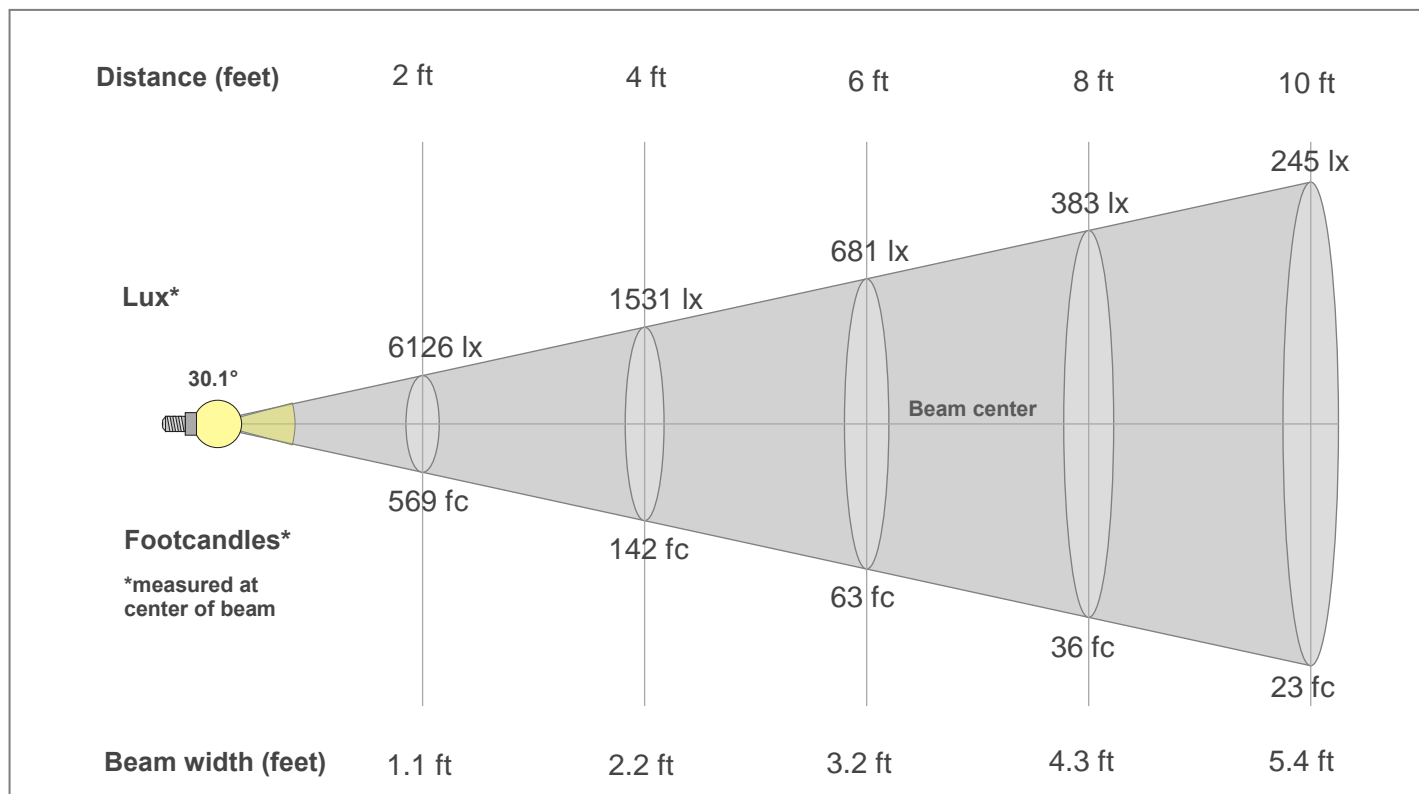
Rg 101.1

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-1%	0%
5	96	0%	2%
6	96	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	97	0%	2%
10	95	1%	3%
11	93	2%	5%
12	92	4%	-1%
13	93	2%	-5%
14	91	3%	-7%
15	95	-1%	-2%
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
2276lx	569lx	253lx	142lx	91lx	63lx	46lx	36lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
211.5fc	52.9fc	23.5fc	13.2fc	8.5fc	5.9fc	4.3fc	3.3fc	2.6fc	2.1fc	1.7fc	1.5fc	1.3fc	1.1fc	0.9fc	0.8fc	0.7fc	0.7fc	0.6fc	0.5fc

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°
2276	2248	2163	2031	1868	1678	1471	1259	1049	854	683	537	425	334	266	215	175	143	118	97
100%	99%	95%	89%	82%	74%	65%	55%	46%	38%	30%	24%	19%	15%	12%	9%	8%	6%	5%	4%

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°
2276	2244	2161	2028	1863	1672	1462	1244	1031	834	663	519	408	320	256	206	169	139	115	95
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

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°
2276	2248	2163	2031	1868	1678	1471	1259	1049	854	683	537	425	334	266	215	175	143	118	97
100%	99%	95%	89%	82%	74%	65%	55%	46%	38%	30%	24%	19%	15%	12%	9%	8%	6%	5%	4%

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°
2276	2244	2161	2028	1863	1672	1462	1244	1031	834	663	519	408	320	256	206	169	139	115	95
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
30.1°	58.5°	85.4°	99.5%	97.6%