

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-WD-2-15-PR1-8.5-350-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

1/24/2024



Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

2917 K

CIE 1931:

x: 0.440
y: 0.400

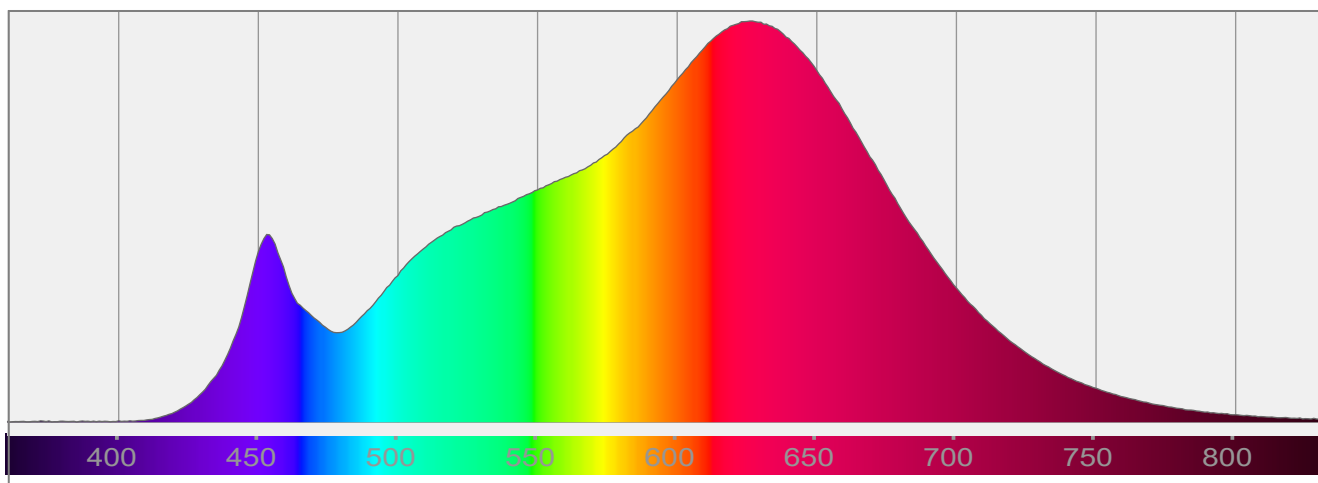
Output: 874 lm

Peak: 3658 cd

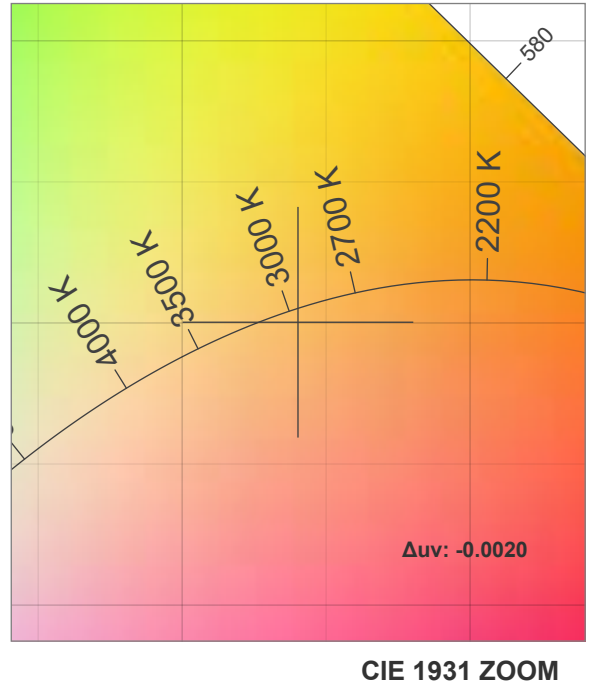
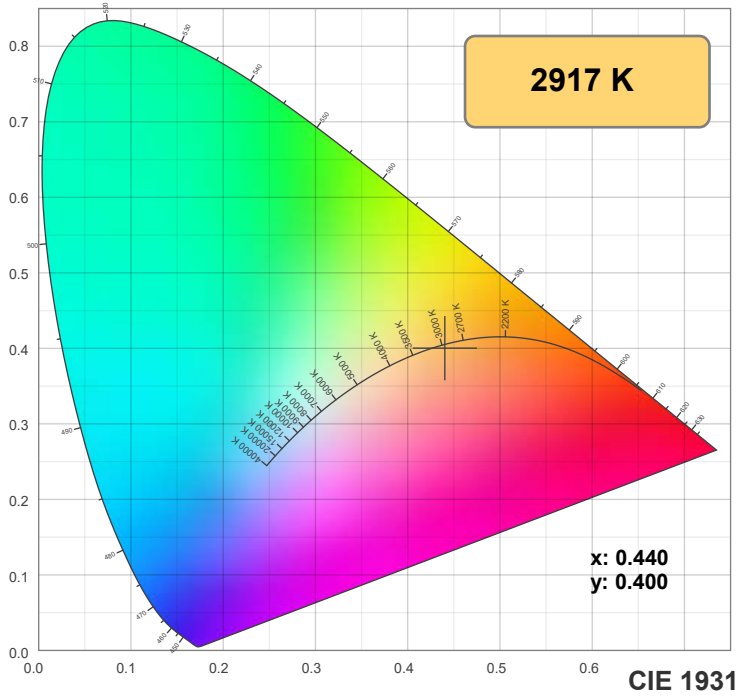
Power: 14.8 W

PF: 0.99

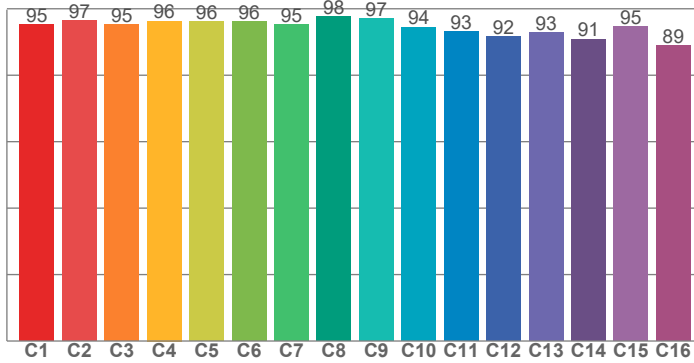
Spectra:



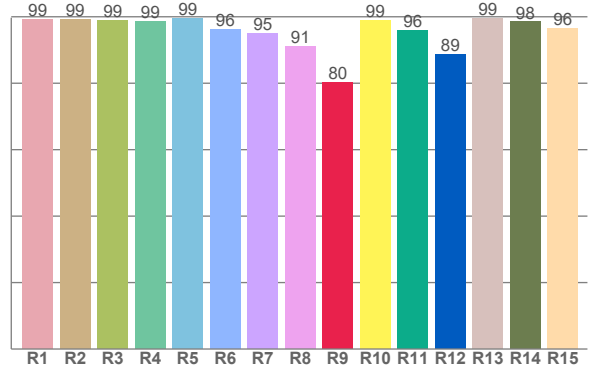
Color Details



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
99.2	99.2	98.8	98.6	99.5	96.2	94.9	91.0	80.4	99.0	96.0	88.7	99.4	98.4	96.5

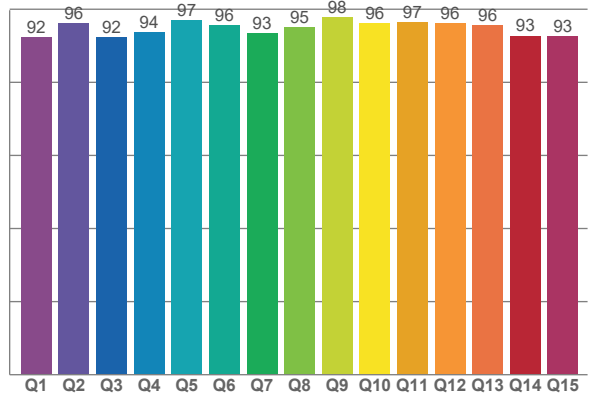
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.2	96.5	95.2	96.3	96.1	96.1	95.1	97.7	97.0	94.5	93.0	91.8	92.9	90.9	94.8	89.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.4	96.1	92.4	93.8	97.1	95.6	93.5	95.0	97.9	96.3	96.5	96.2	95.7	92.7	92.5

CQS: 94.5



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2917 K	97.2	80.4	94.7	101.1	94.5	0.440	0.400	0.254	0.347	-0.0020

TM-30 Details

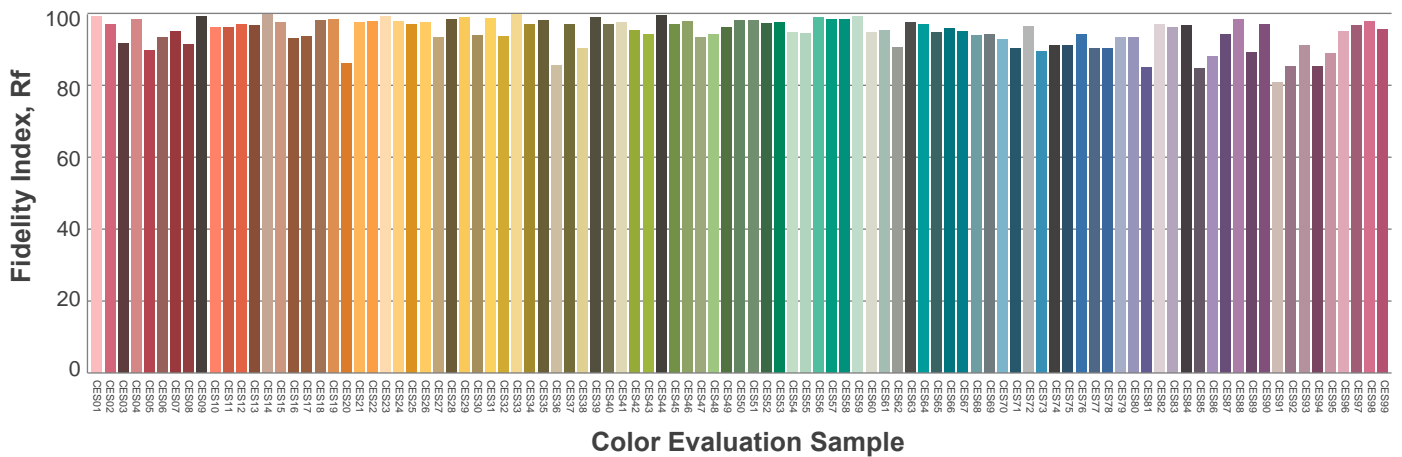
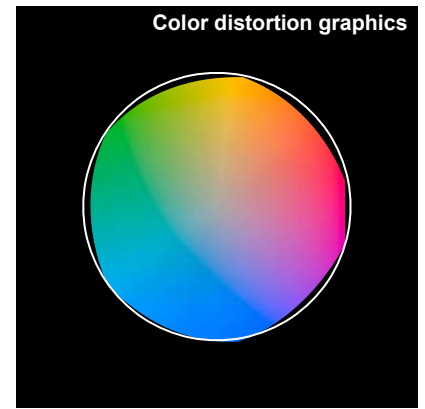
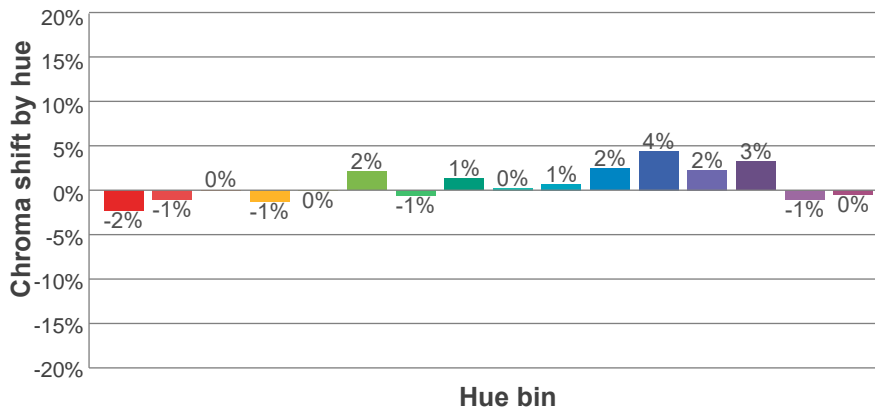
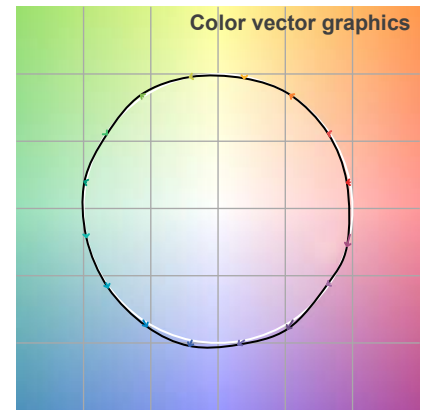
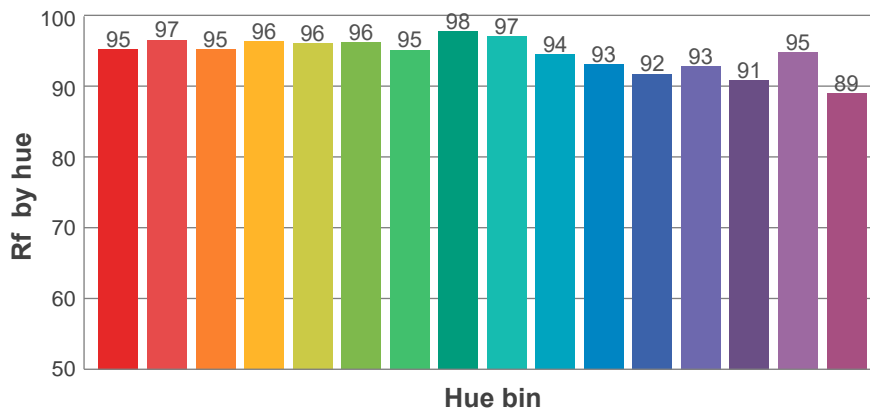
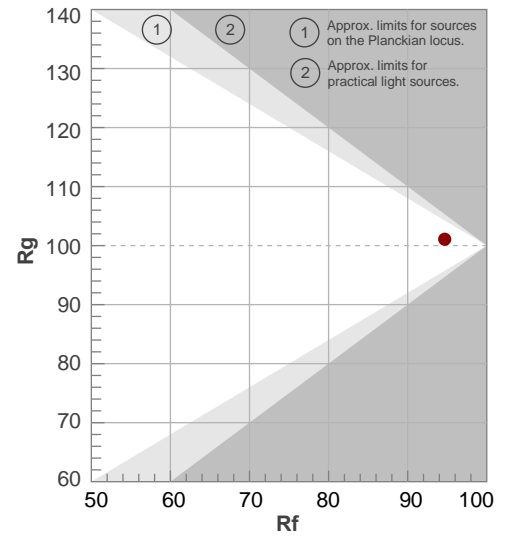
Rf 94.7

Fidelity index Rf

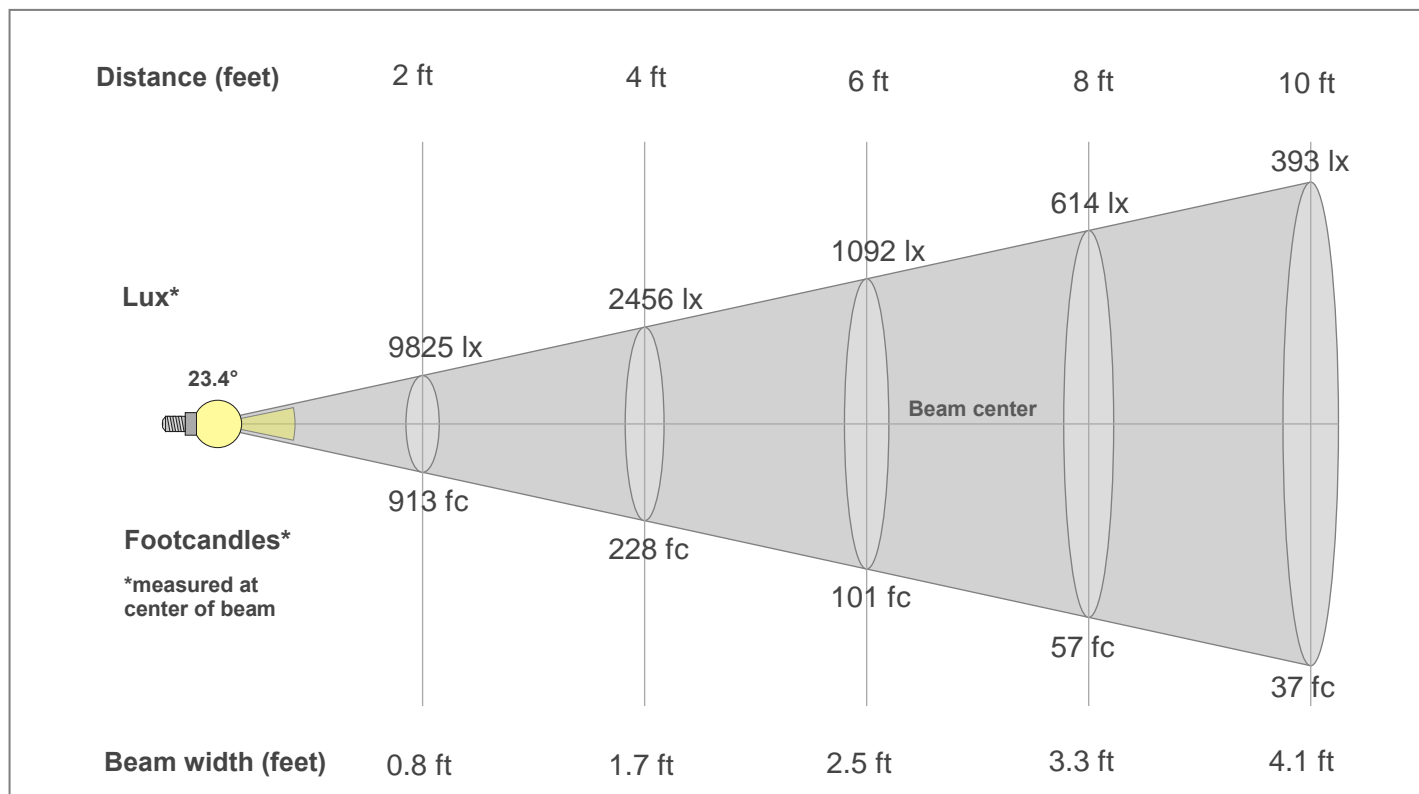
Rg 101.1

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	94	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
3651lx	913lx	406lx	228lx	146lx	101lx	75lx	57lx	45lx	37lx	30lx	25lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
339.2fc	84.8fc	37.7fc	21.2fc	13.6fc	9.4fc	6.9fc	5.3fc	4.2fc	3.4fc	2.8fc	2.4fc	2fc	1.7fc	1.5fc	1.3fc	1.2fc	1fc	0.9fc	0.8fc

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°
3651	3592	3400	3079	2661	2190	1740	1354	1048	816	639	500	392	309	247	197	158	125	99	79
100%	98%	93%	84%	73%	60%	48%	37%	29%	22%	18%	14%	11%	8%	7%	5%	4%	3%	3%	2%

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°
3651	3588	3415	3108	2697	2231	1768	1354	1033	791	614	480	376	297	235	189	151	120	95	75
100%	98%	94%	85%	74%	61%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	3%	2%

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°
3651	3592	3400	3079	2661	2190	1740	1354	1048	816	639	500	392	309	247	197	158	125	99	79
100%	98%	93%	84%	73%	60%	48%	37%	29%	22%	18%	14%	11%	8%	7%	5%	4%	3%	3%	2%

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°
3651	3588	3415	3108	2697	2231	1768	1354	1033	791	614	480	376	297	235	189	151	120	95	75
100%	98%	94%	85%	74%	61%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.4°	48.9°	73.1°	99.4%	98.3%