

Photometric / Colorimetric / Electric Report

Fixture Model:

805-K5-WD-2-25-PR1-8.5-350-FS-LG-P-1-WH-NL

Trim Model:

FS-LG-P-1-WH/NL

Date:

7/3/2023



Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 97.0

Color temperature:

2848 K

CIE 1931:

**x: 0.445
y: 0.402**

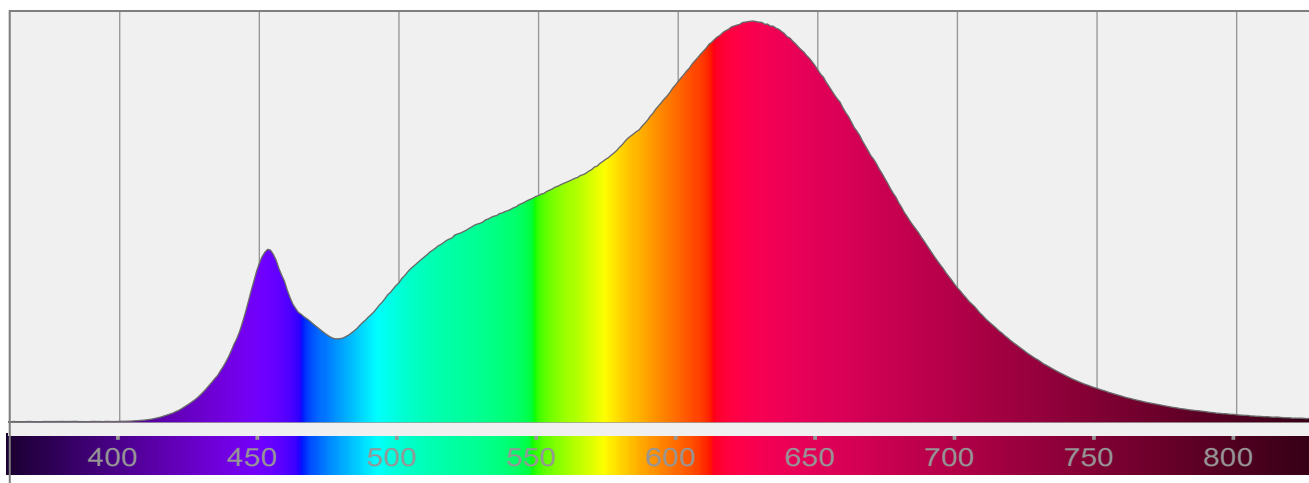
Output: 877 lm

Peak: 2459 cd

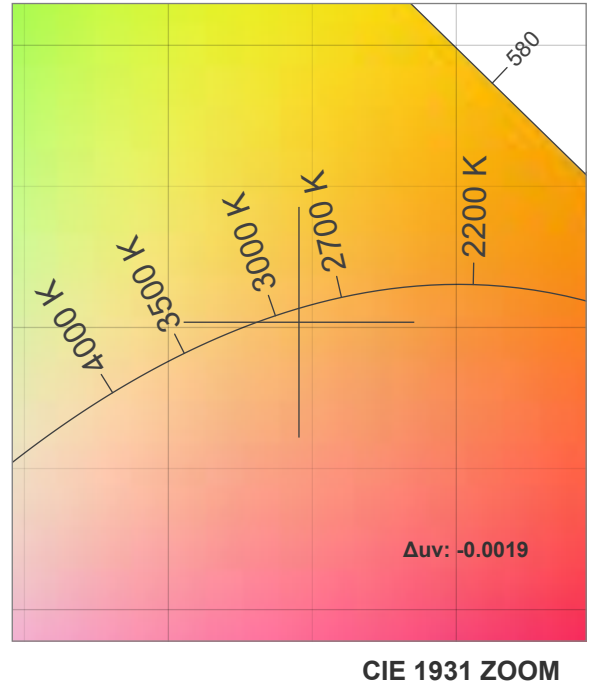
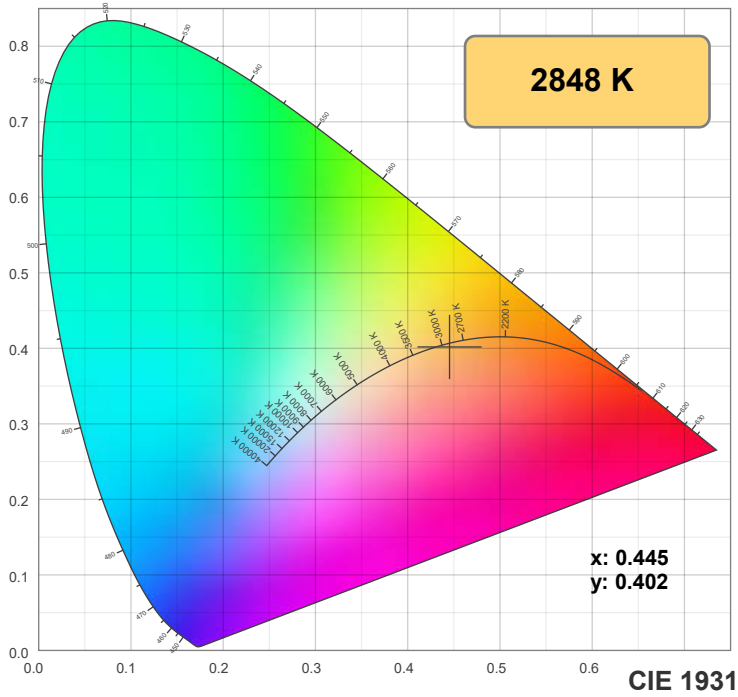
Power: 14.6 W

PF: 0.99

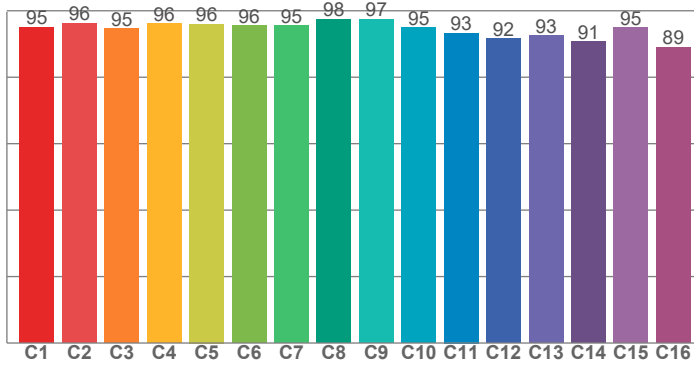
Spectra:



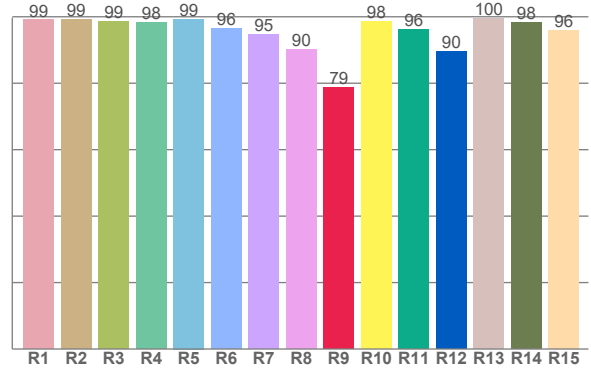
Color Details



TM-30: 94.6



CRI: 97.0 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.1	99.3	98.7	98.3	99.3	96.4	94.6	90.2	78.6	98.5	96.2	89.7	99.6	98.4	95.8

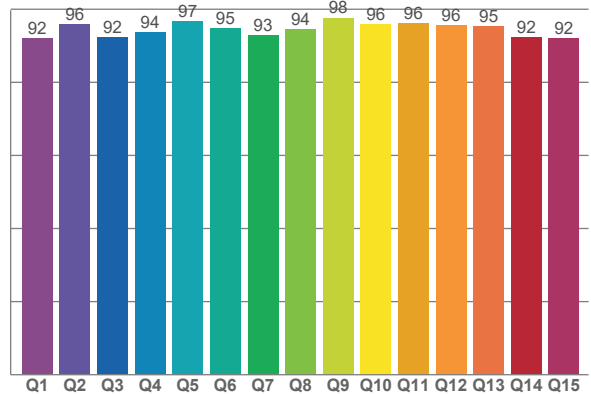
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	96.3	94.6	96.2	96.0	95.7	95.4	97.5	97.5	95.0	93.3	91.7	92.7	90.7	94.9	89.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.0	95.9	92.3	93.7	96.8	94.8	92.8	94.5	97.7	95.8	96.0	95.7	95.2	92.2	92.0

CQS: 94.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2848 K	97.0	78.6	94.6	101.2	94.1	0.445	0.402	0.257	0.348	-0.0019

TM-30 Details

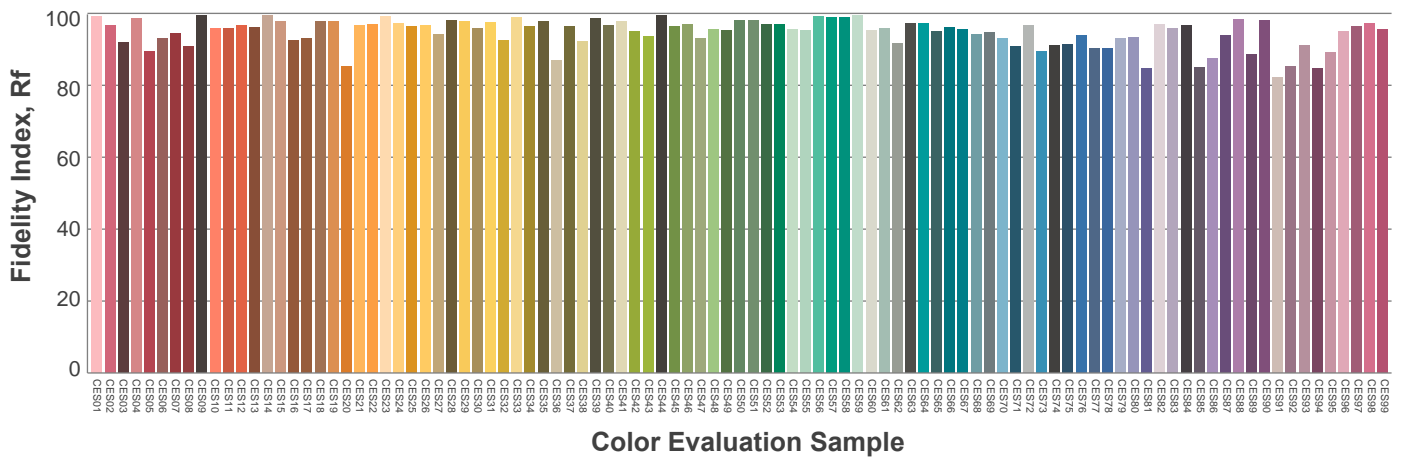
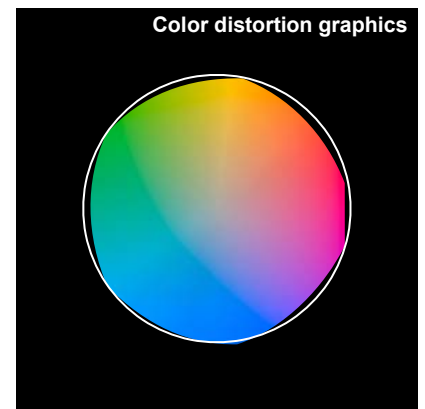
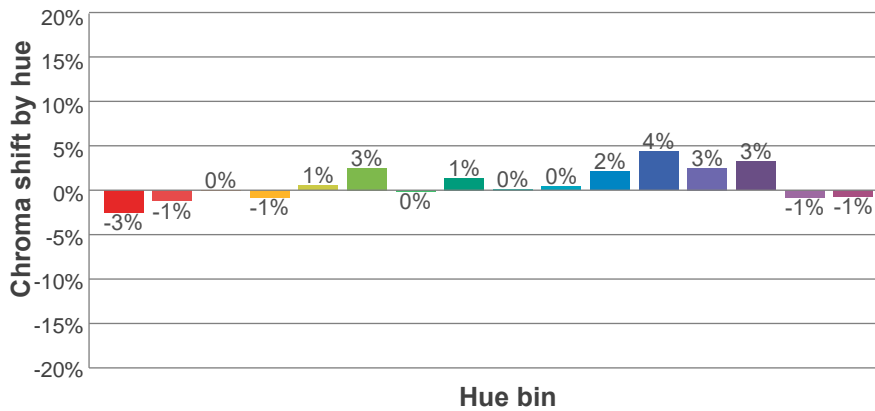
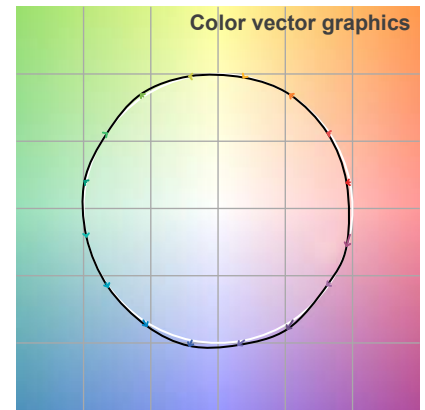
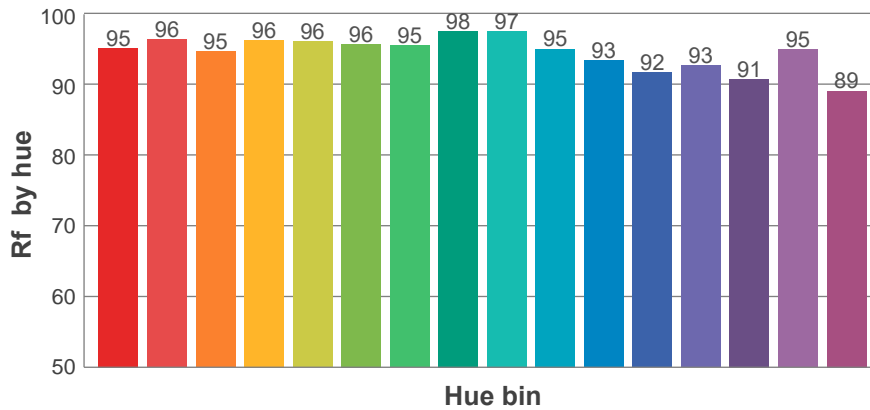
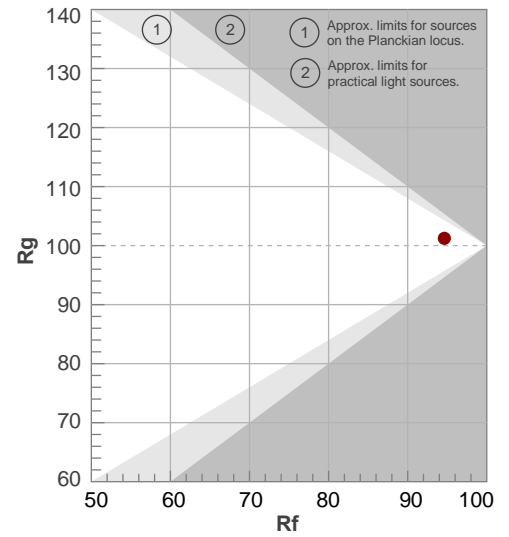
Rf 94.6

Fidelity index Rf

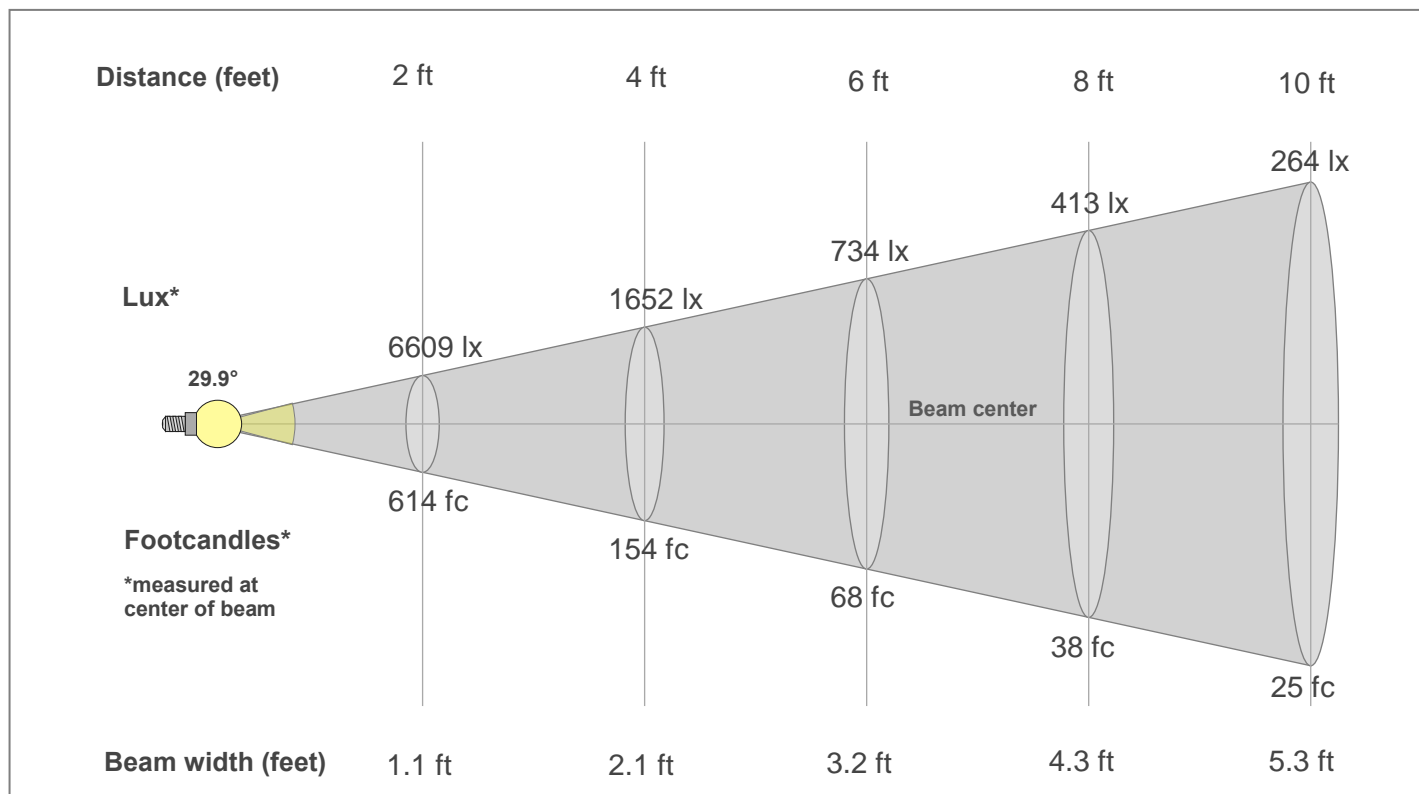
Rg 101.2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	3%
4	96	-1%	0%
5	96	1%	2%
6	96	3%	1%
7	95	0%	-1%
8	98	1%	-1%
9	97	0%	1%
10	95	0%	3%
11	93	2%	4%
12	92	4%	-1%
13	93	3%	-5%
14	91	3%	-7%
15	95	-1%	-2%
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
2456lx	614lx	273lx	154lx	98lx	68lx	50lx	38lx	30lx	25lx	20lx	17lx	15lx	13lx	11lx	10lx	8lx	8lx	7lx	6lx
228.2fc	57fc	25.4fc	14.3fc	9.1fc	6.3fc	4.7fc	3.6fc	2.8fc	2.3fc	1.9fc	1.6fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

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°
2456	2426	2334	2190	2008	1801	1573	1338	1107	895	710	555	435	340	270	217	178	147	123	104
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	23%	18%	14%	11%	9%	7%	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°
2456	2422	2331	2188	2008	1799	1575	1342	1115	908	725	570	451	354	283	229	188	156	130	109
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	30%	23%	18%	14%	12%	9%	8%	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°
2456	2426	2334	2190	2008	1801	1573	1338	1107	895	710	555	435	340	270	217	178	147	123	104
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	29%	23%	18%	14%	11%	9%	7%	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°
2456	2422	2331	2188	2008	1799	1575	1342	1115	908	725	570	451	354	283	229	188	156	130	109
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	30%	23%	18%	14%	12%	9%	8%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.9°	58.2°	89.1°	99.4%	95.4%