

Photometric / Colorimetric / Electric Report

Fixture Model:

805-K5-WD-4-25-PR1-8.5-350-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

8/5/2024



Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 96.7

Color temperature:

3009 K

CIE 1931:

**x: 0.435
y: 0.401**

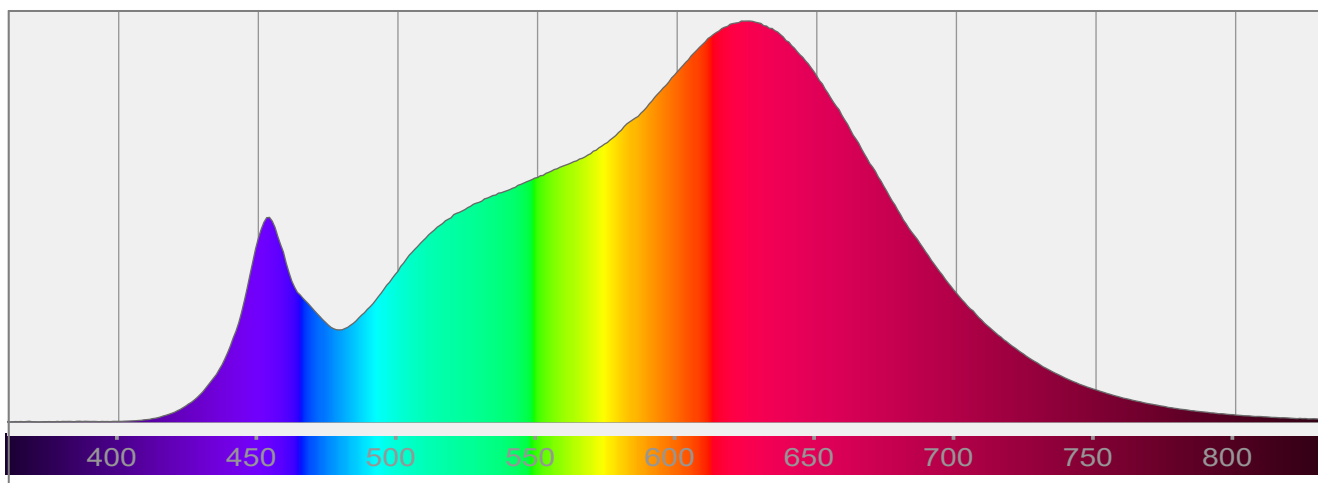
Output: 875 lm

Peak: 2555 cd

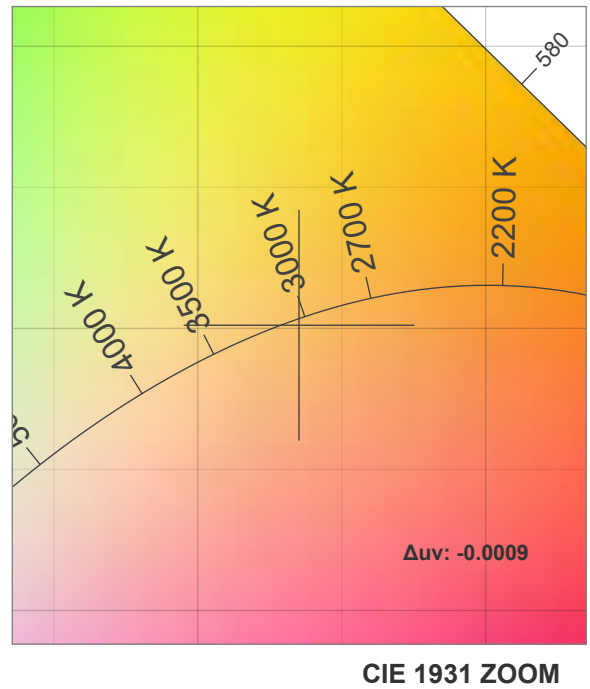
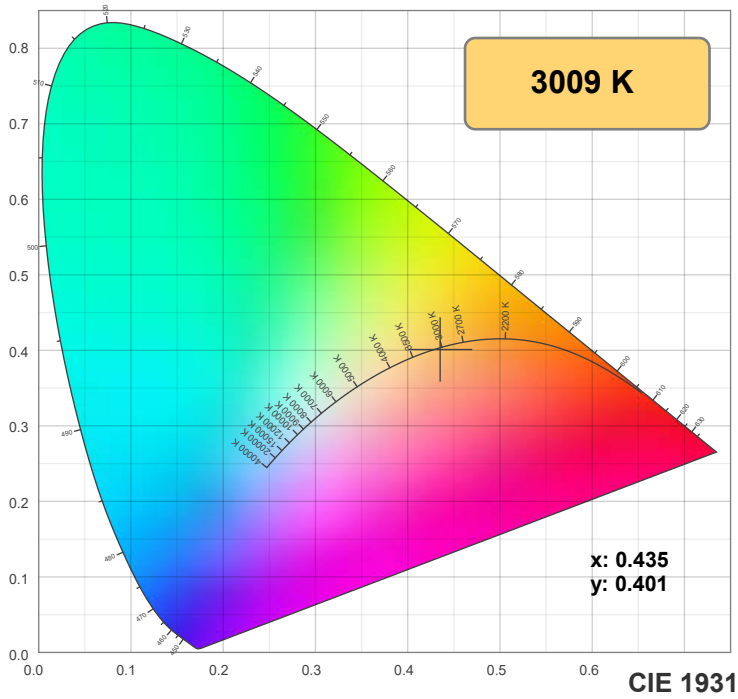
Power: 14.6 W

PF: 0.99

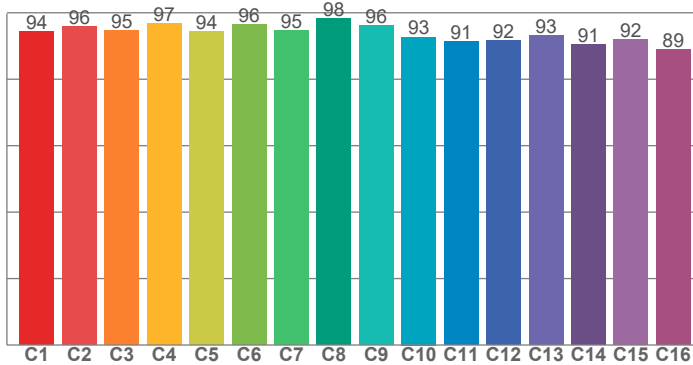
Spectra:



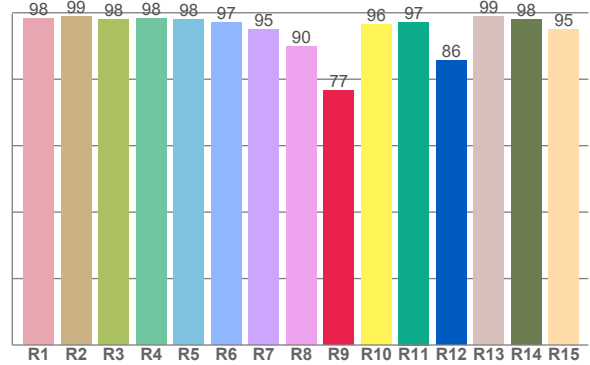
Color Details



TM-30: 94.0



CRI: 96.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.3	99.0	98.0	98.3	98.0	97.2	95.0	89.8	76.6	96.4	97.2	85.7	98.9	98.0	94.9

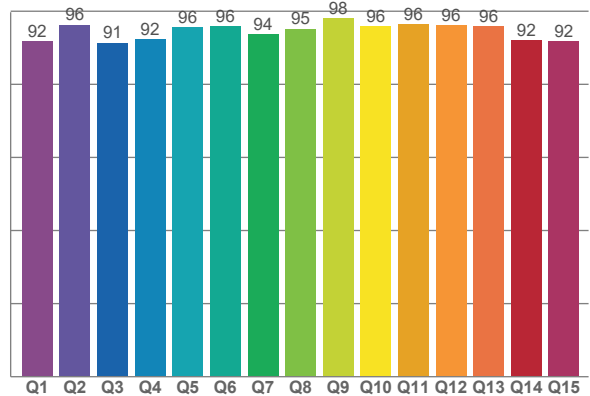
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.4	96.0	94.7	96.7	94.4	96.5	94.8	98.3	96.1	92.7	91.4	91.5	93.2	90.5	91.9	88.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.9	96.3	91.4	92.4	95.7	95.9	93.7	95.2	98.1	95.9	96.3	96.3	95.9	92.0	91.8

CQS: 94.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3009 K	96.7	76.6	94.0	100.5	94.0	0.435	0.401	0.251	0.347	-0.0009

TM-30 Details

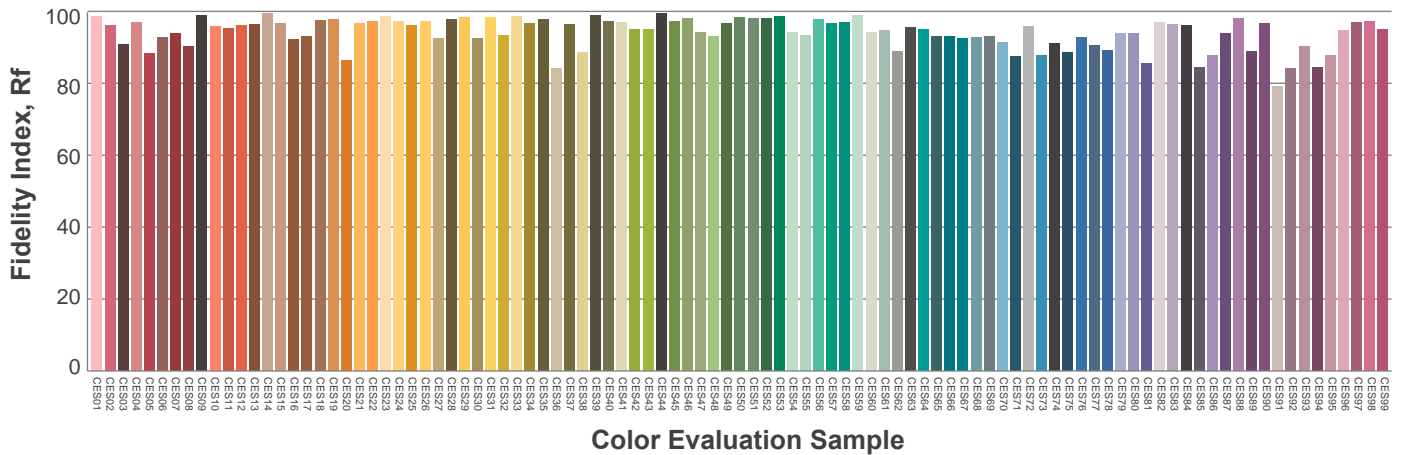
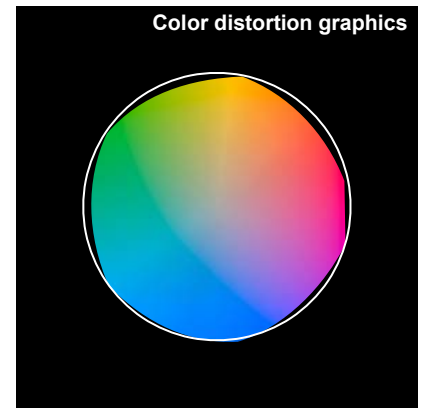
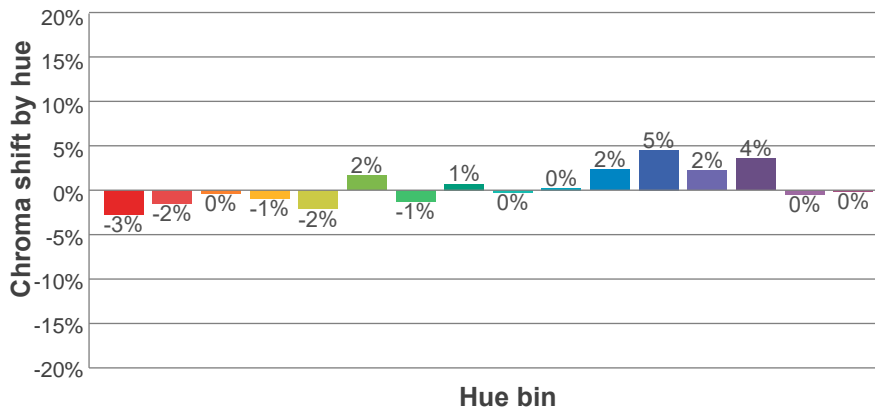
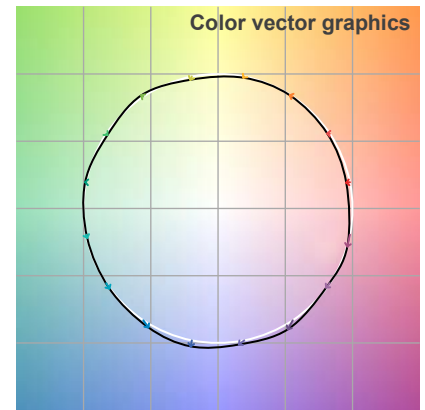
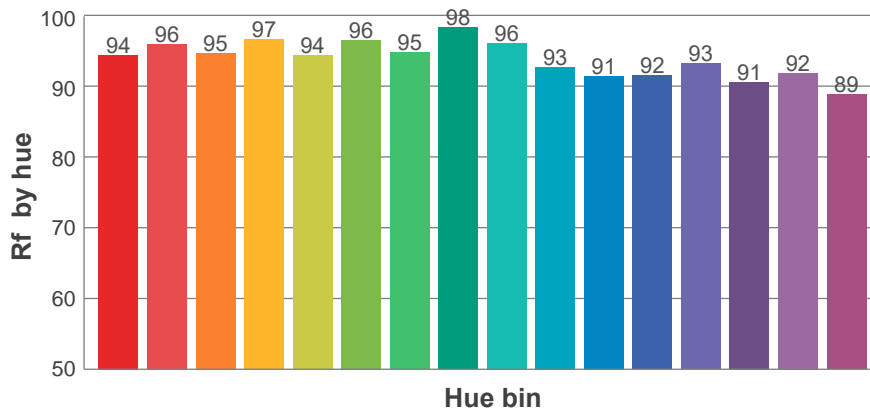
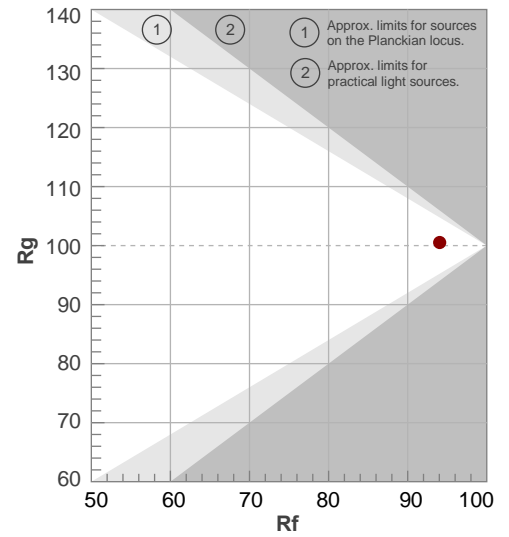
Rf 94.0

Fidelity index Rf

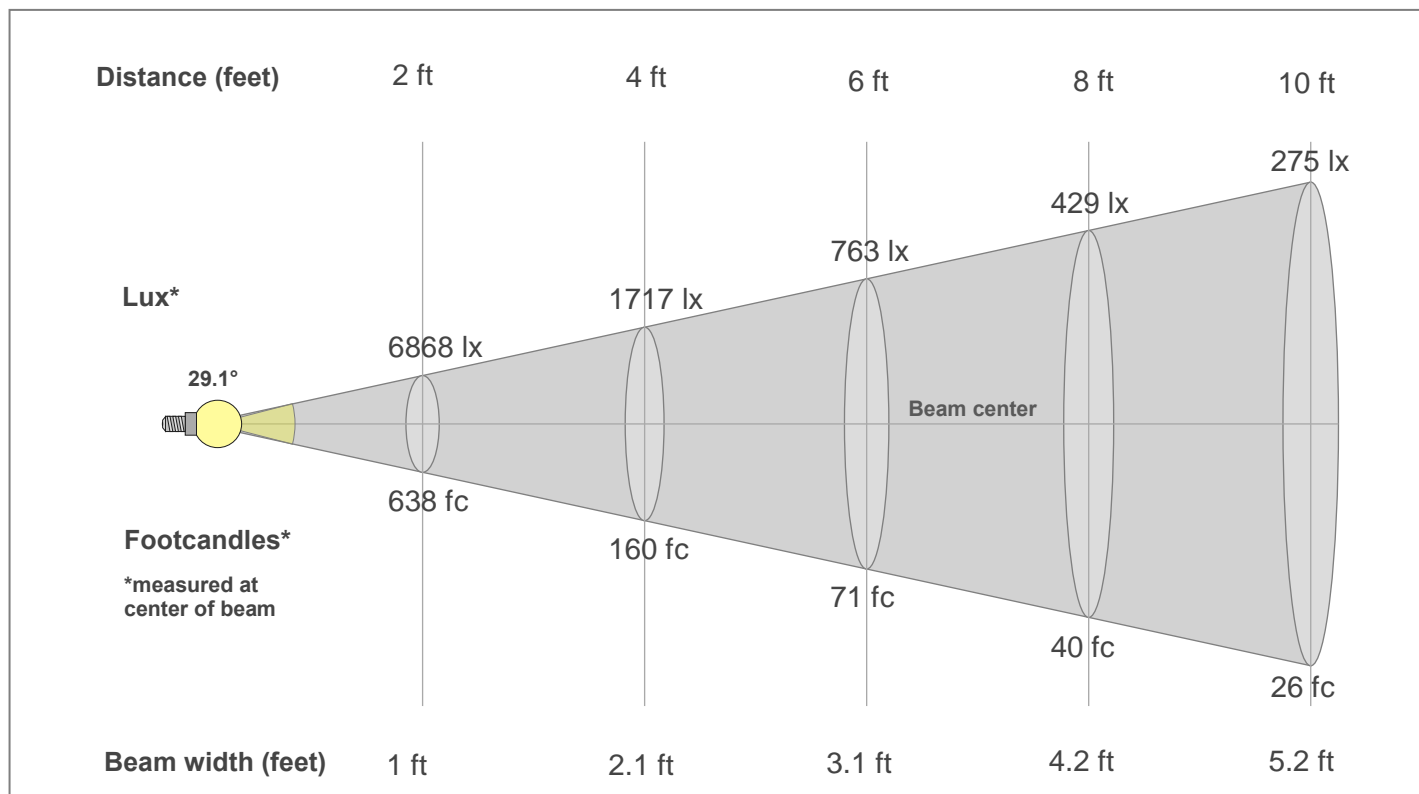
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	97	-1%	0%
5	94	-2%	2%
6	96	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	2%
10	93	0%	5%
11	91	2%	6%
12	92	5%	0%
13	93	2%	-5%
14	91	4%	-7%
15	92	0%	-4%
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
2552lx	638lx	284lx	160lx	102lx	71lx	52lx	40lx	32lx	26lx	21lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
237.1fc	59.3fc	26.3fc	14.8fc	9.5fc	6.6fc	4.8fc	3.7fc	2.9fc	2.4fc	2fc	1.6fc	1.4fc	1.2fc	1.1fc	0.9fc	0.8fc	0.7fc	0.7fc	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°
2552	2519	2417	2257	2058	1832	1590	1345	1109	895	710	555	437	343	273	220	180	149	125	105
100%	99%	95%	88%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	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°
2552	2514	2414	2254	2055	1829	1589	1341	1107	891	705	549	428	335	265	213	174	144	120	101
100%	99%	95%	88%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	10%	8%	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°
2552	2519	2417	2257	2058	1832	1590	1345	1109	895	710	555	437	343	273	220	180	149	125	105
100%	99%	95%	88%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	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°
2552	2514	2414	2254	2055	1829	1589	1341	1107	891	705	549	428	335	265	213	174	144	120	101
100%	99%	95%	88%	81%	72%	62%	53%	43%	35%	28%	22%	17%	13%	10%	8%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
29.1°	57°	87.7°	99.3%	95.5%