

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-HI-3-10-PR1-8.5-350-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

1/10/2025



Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 95.0

Color temperature:

3049 K

CIE 1931:

**x: 0.430
y: 0.396**

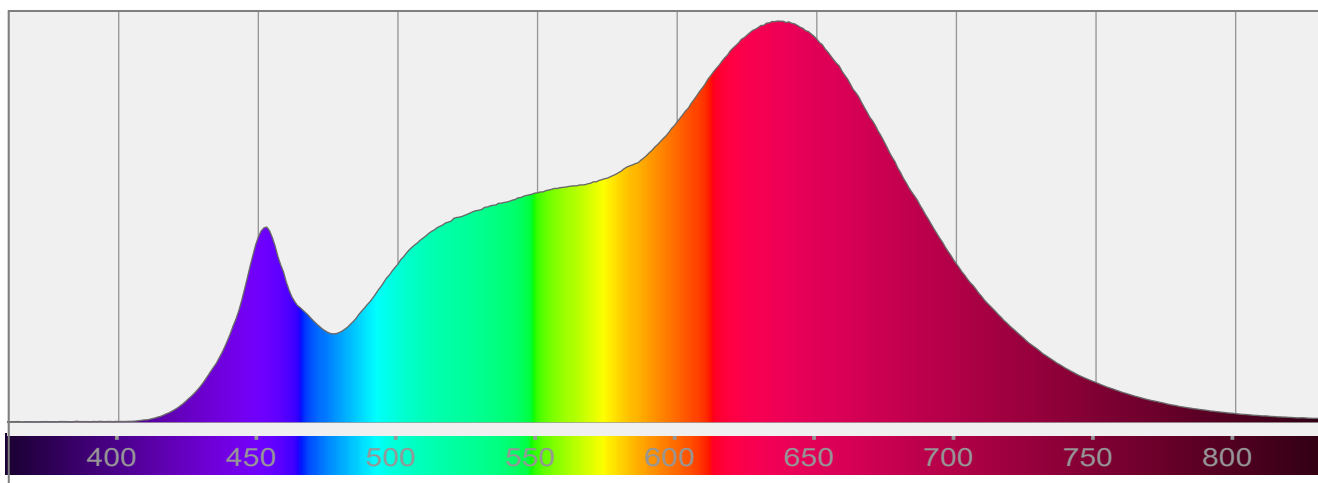
Output: 971 lm

Peak: 12767 cd

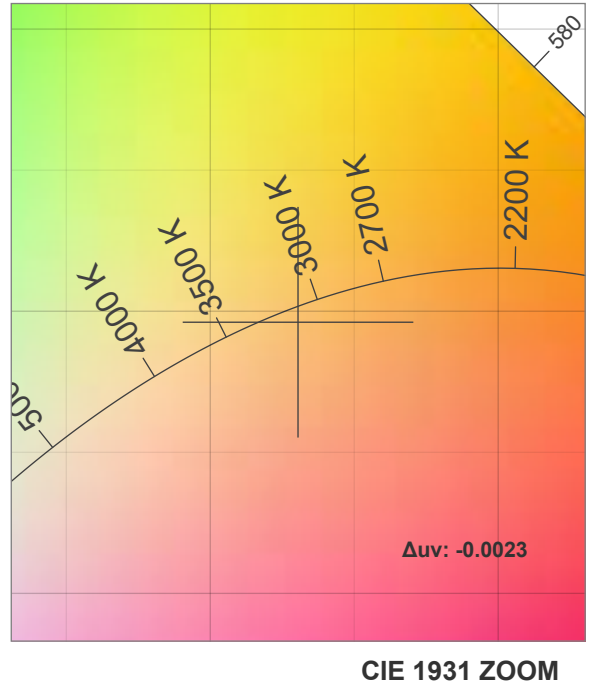
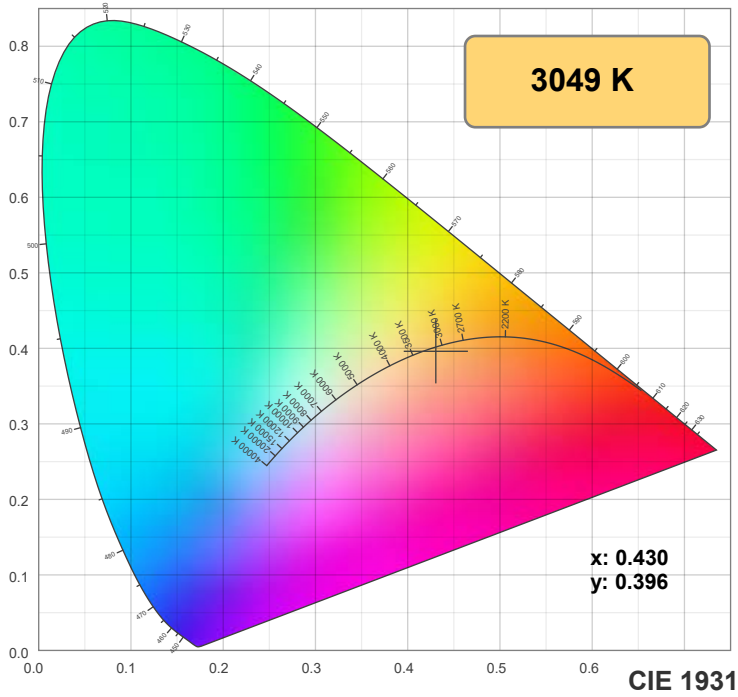
Power: 14.8 W

PF: 0.99

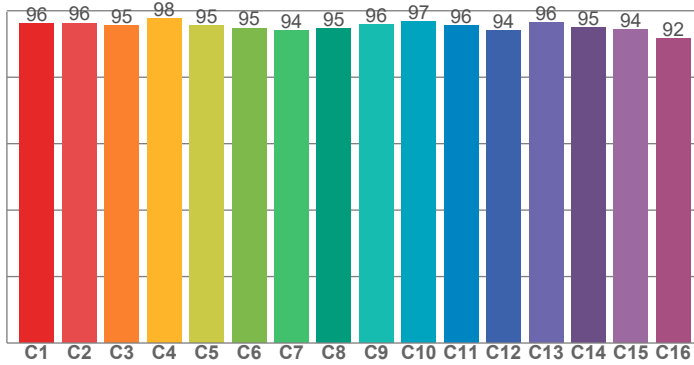
Spectra:



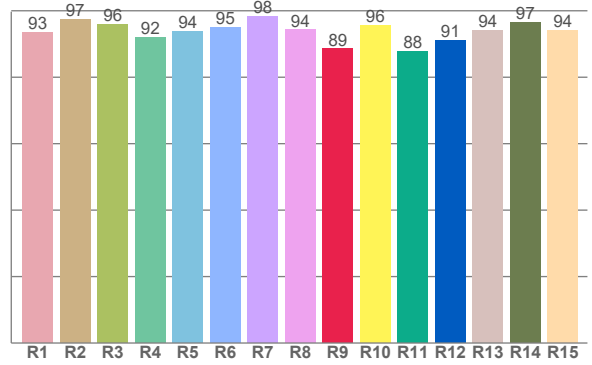
Color Details



TM-30: 95.5



CRI: 95.0 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.4	97.3	95.9	91.9	93.7	94.9	98.2	94.2	88.5	95.7	87.8	91.0	94.0	96.6	94.0

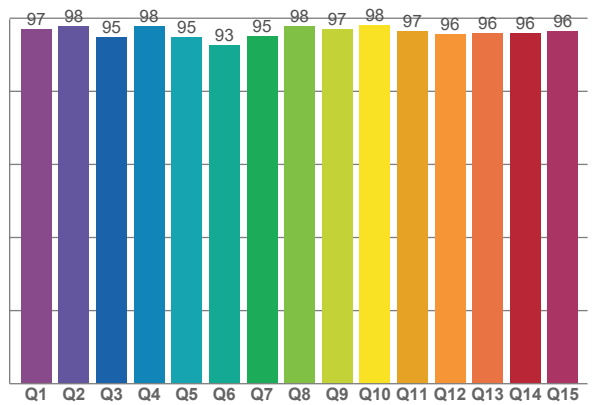
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.1	96.3	95.5	97.7	95.5	94.8	94.1	94.7	95.8	96.8	95.5	94.0	96.5	95.0	94.3	91.7

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.1	97.9	94.8	97.8	94.7	92.5	95.0	97.9	96.9	98.1	96.5	95.5	95.8	95.9	96.4

CQS: 95.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3049 K	95.0	88.5	95.5	103.8	95.7	0.430	0.396	0.250	0.345	-0.0023

TM-30 Details

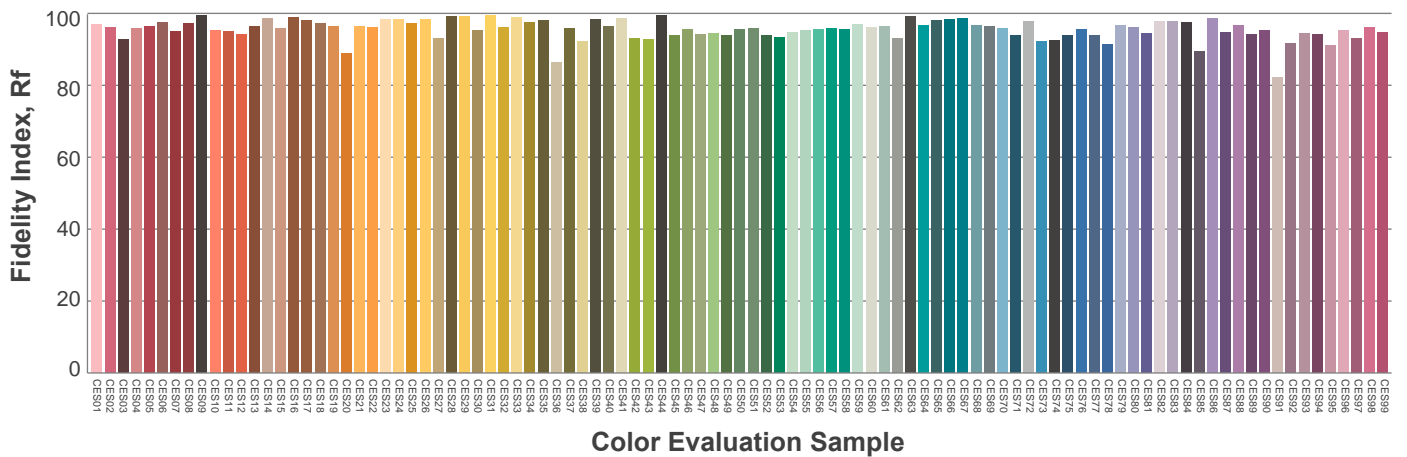
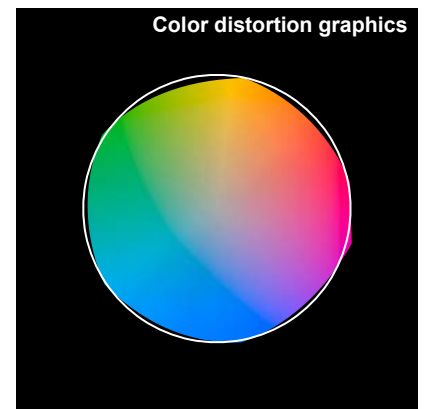
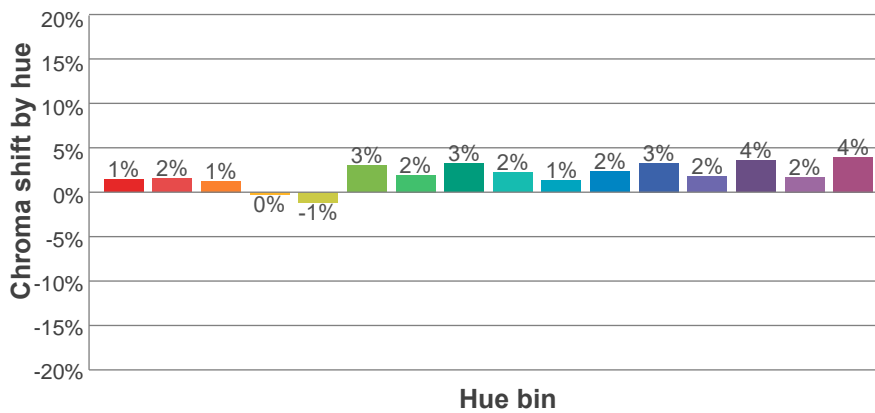
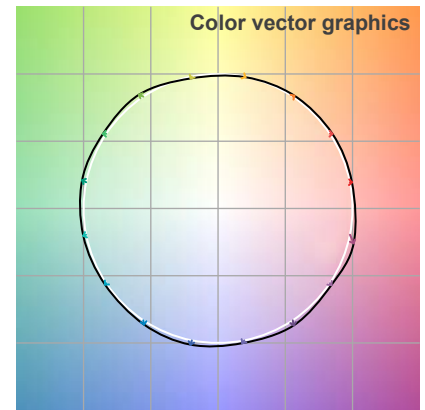
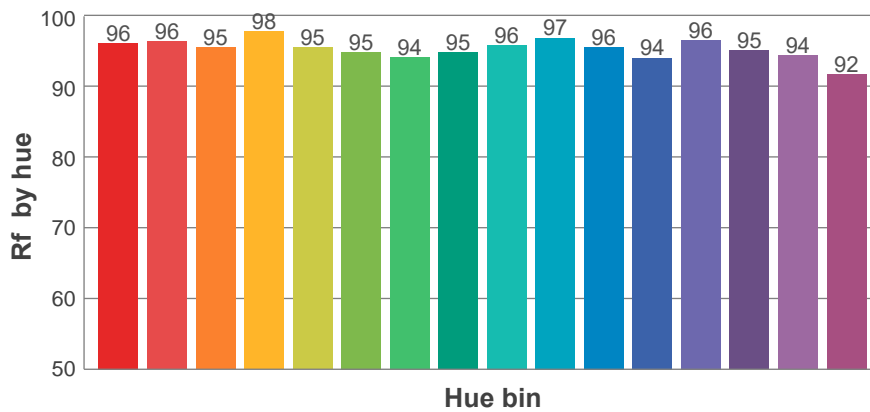
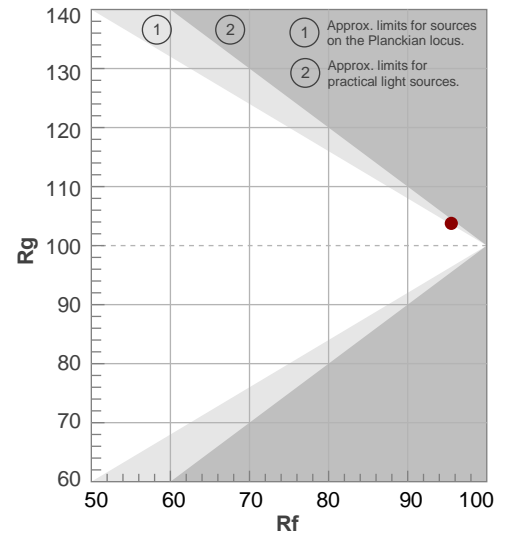
Rf 95.5

Fidelity index Rf

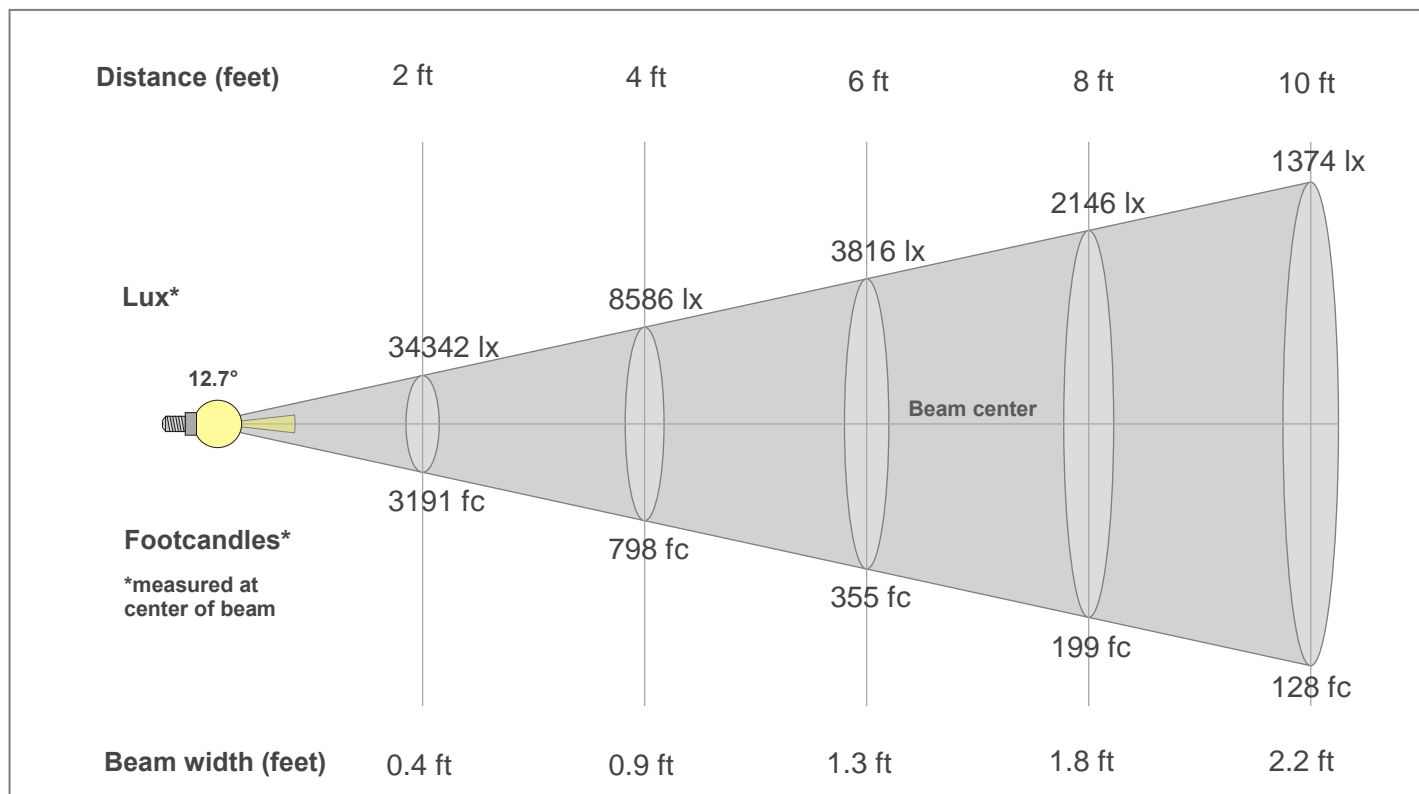
Rg 103.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	96	1%	0%
2	96	2%	-1%
3	95	1%	-1%
4	98	0%	-1%
5	95	-1%	1%
6	95	3%	2%
7	94	2%	1%
8	95	3%	-1%
9	96	2%	0%
10	97	1%	0%
11	96	2%	2%
12	94	3%	0%
13	96	2%	-2%
14	95	4%	-2%
15	94	2%	0%
16	92	4%	-6%



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
12762lx	3191lx	1418lx	798lx	510lx	355lx	260lx	199lx	158lx	128lx	105lx	89lx	76lx	65lx	57lx	50lx	44lx	39lx	35lx	32lx
1185.6fc	296.4fc	131.7fc	74.1fc	47.4fc	32.9fc	24.2fc	18.5fc	14.6fc	11.9fc	9.8fc	8.2fc	7fc	6fc	5.3fc	4.6fc	4.1fc	3.7fc	3.3fc	3fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
12.8K	12.7K	12.4K	11.6K	10.2K	8.6K	6.9K	5.4K	4.2K	3.2K	2.4K	1.9K	1.5K	1.3K	1.1K	0.9K	0.7K	0.6K	0.5K	0.4K
100%	100%	97%	91%	80%	67%	54%	43%	33%	25%	19%	15%	12%	10%	8%	7%	6%	5%	4%	3%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
12.8K	12.7K	12.5K	11.5K	10.1K	8.5K	6.9K	5.4K	4.2K	3.2K	2.4K	1.9K	1.5K	1.3K	1.1K	0.9K	0.7K	0.6K	0.5K	0.4K
100%	100%	98%	90%	79%	67%	54%	43%	33%	25%	19%	15%	12%	10%	8%	7%	6%	5%	4%	3%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
12.8K	12.7K	12.4K	11.6K	10.2K	8.6K	6.9K	5.4K	4.2K	3.2K	2.4K	1.9K	1.5K	1.3K	1.1K	0.9K	0.7K	0.6K	0.5K	0.4K
100%	100%	97%	91%	80%	67%	54%	43%	33%	25%	19%	15%	12%	10%	8%	7%	6%	5%	4%	3%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
12.8K	12.7K	12.5K	11.5K	10.1K	8.5K	6.9K	5.4K	4.2K	3.2K	2.4K	1.9K	1.5K	1.3K	1.1K	0.9K	0.7K	0.6K	0.5K	0.4K
100%	100%	98%	90%	79%	67%	54%	43%	33%	25%	19%	15%	12%	10%	8%	7%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
12.7°	25.9°	41.3°	99.4%	98.9%