

# Photometric / Colorimetric / Electric Report

**Fixture Model:**  
**805-K5-WD-4-15-PR1-8.5-350-FS-LG-P-1-WH-NL**

**Trim Model:**  
**FS-LG-P-1-WH/NL**

**Date:**  
**8/5/2024**



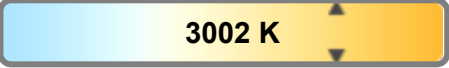
Light efficiency:



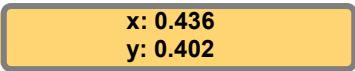
Light quality:



Color temperature:

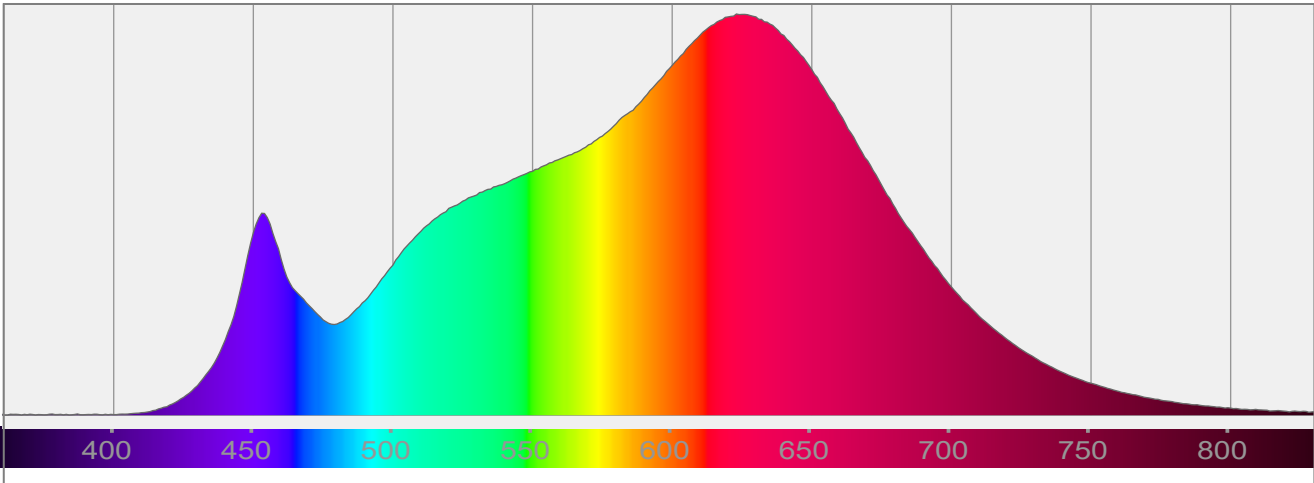


CIE 1931:

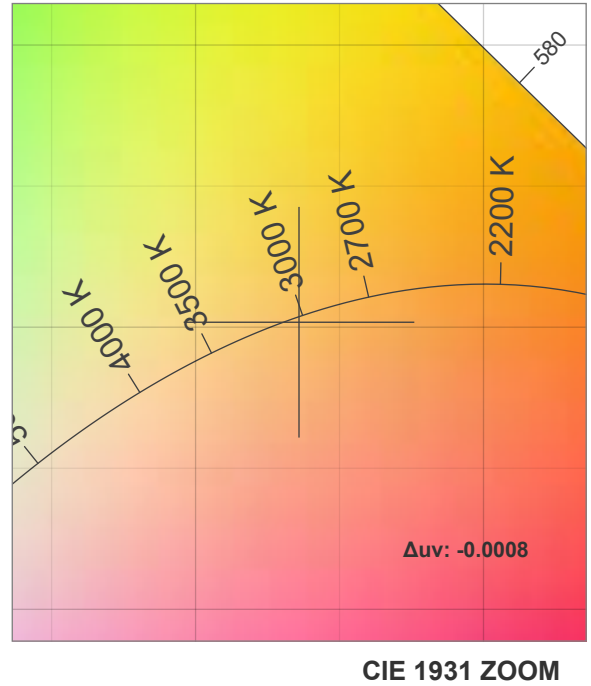
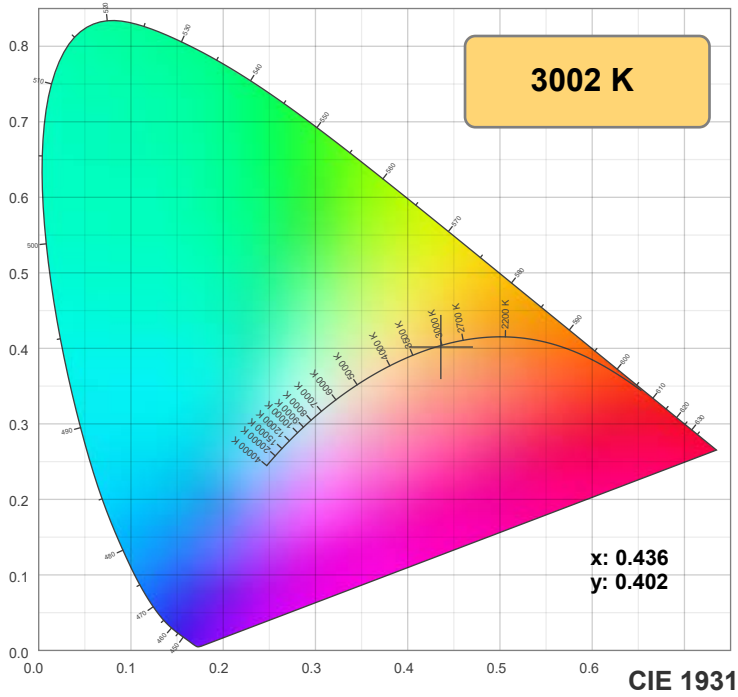


**Output: 969 lm**  
**Peak: 4140 cd**  
**Power: 14.7 W**  
**PF: 0.99**

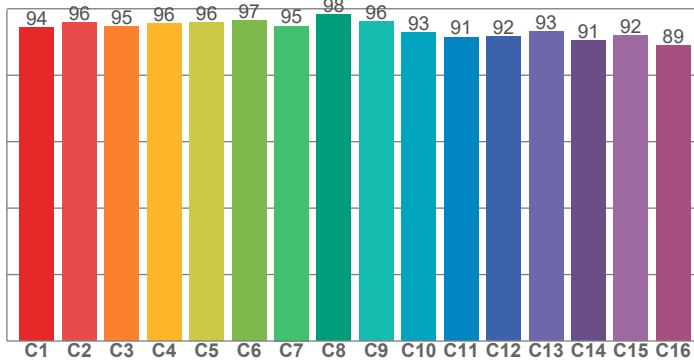
Spectra:



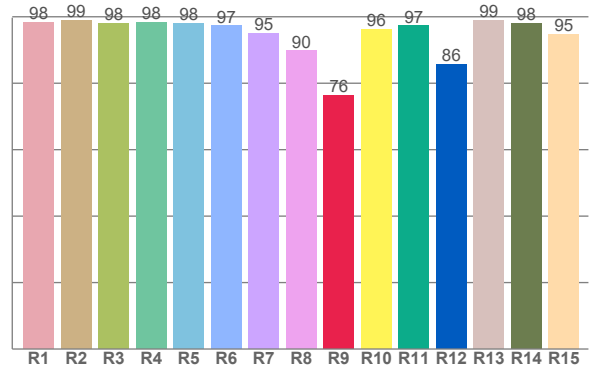
## Color Details



TM-30: 94.1



CRI: 96.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.2	98.9	98.0	98.3	97.9	97.2	95.0	89.7	76.3	96.2	97.2	85.8	98.8	97.9	94.8

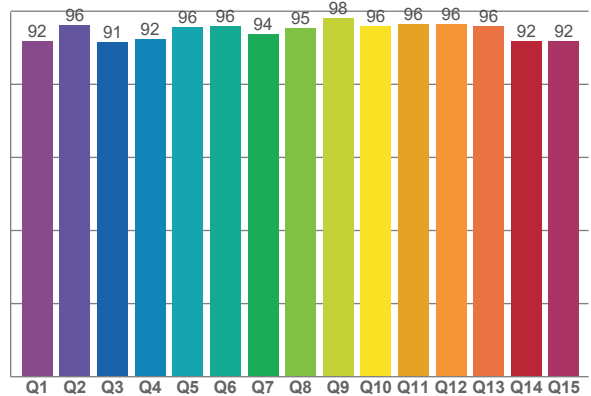
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.4	95.9	94.7	95.6	95.7	96.5	94.8	98.2	96.2	92.8	91.5	91.5	93.2	90.5	91.8	88.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.3	91.4	92.4	95.7	95.9	93.7	95.3	98.1	95.9	96.4	96.3	96.0	91.9	91.8

CQS: 94.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3002 K	96.7	76.3	94.1	100.5	94.0	0.436	0.402	0.251	0.347	-0.0008

# TM-30 Details

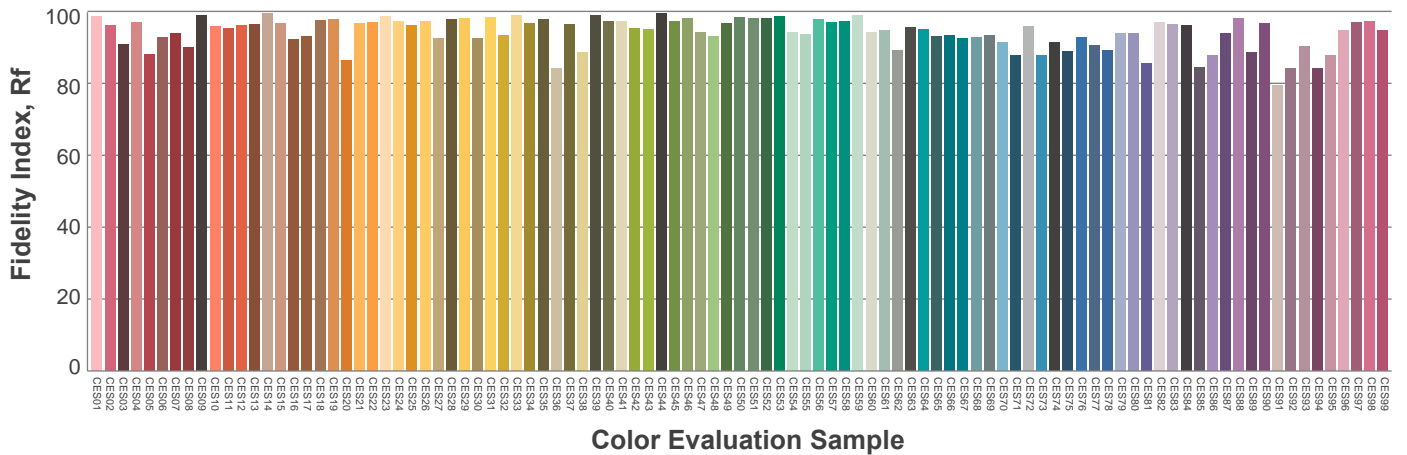
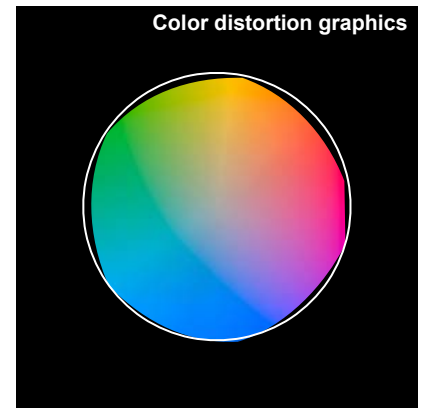
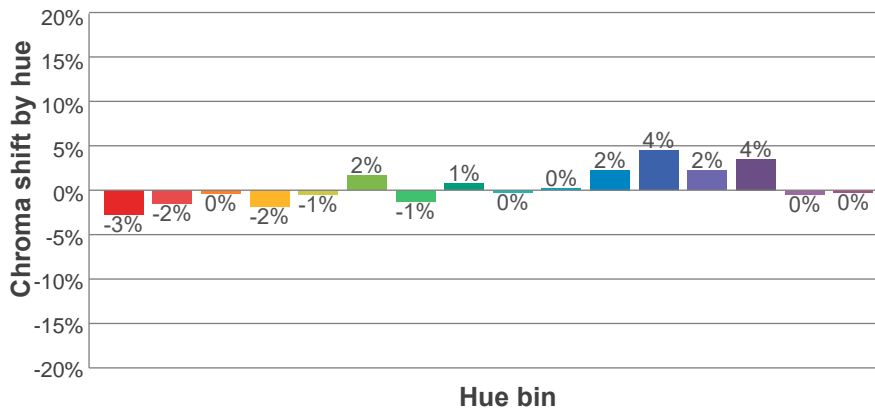
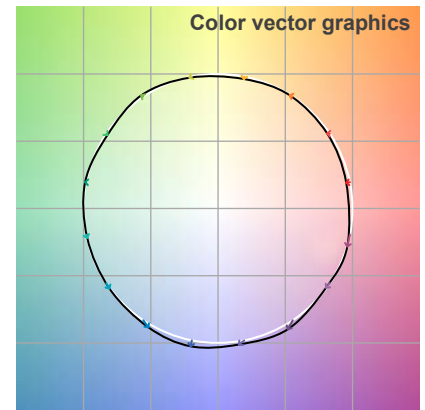
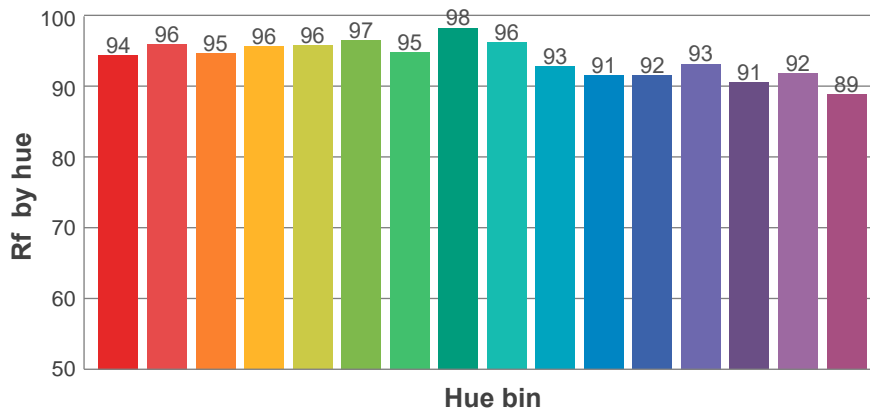
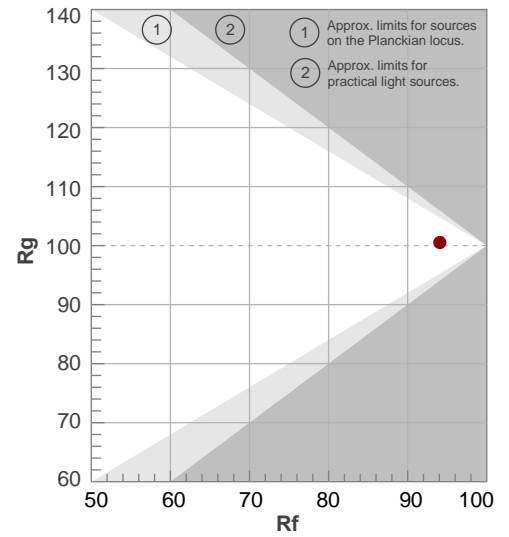
**Rf 94.1**

Fidelity index Rf

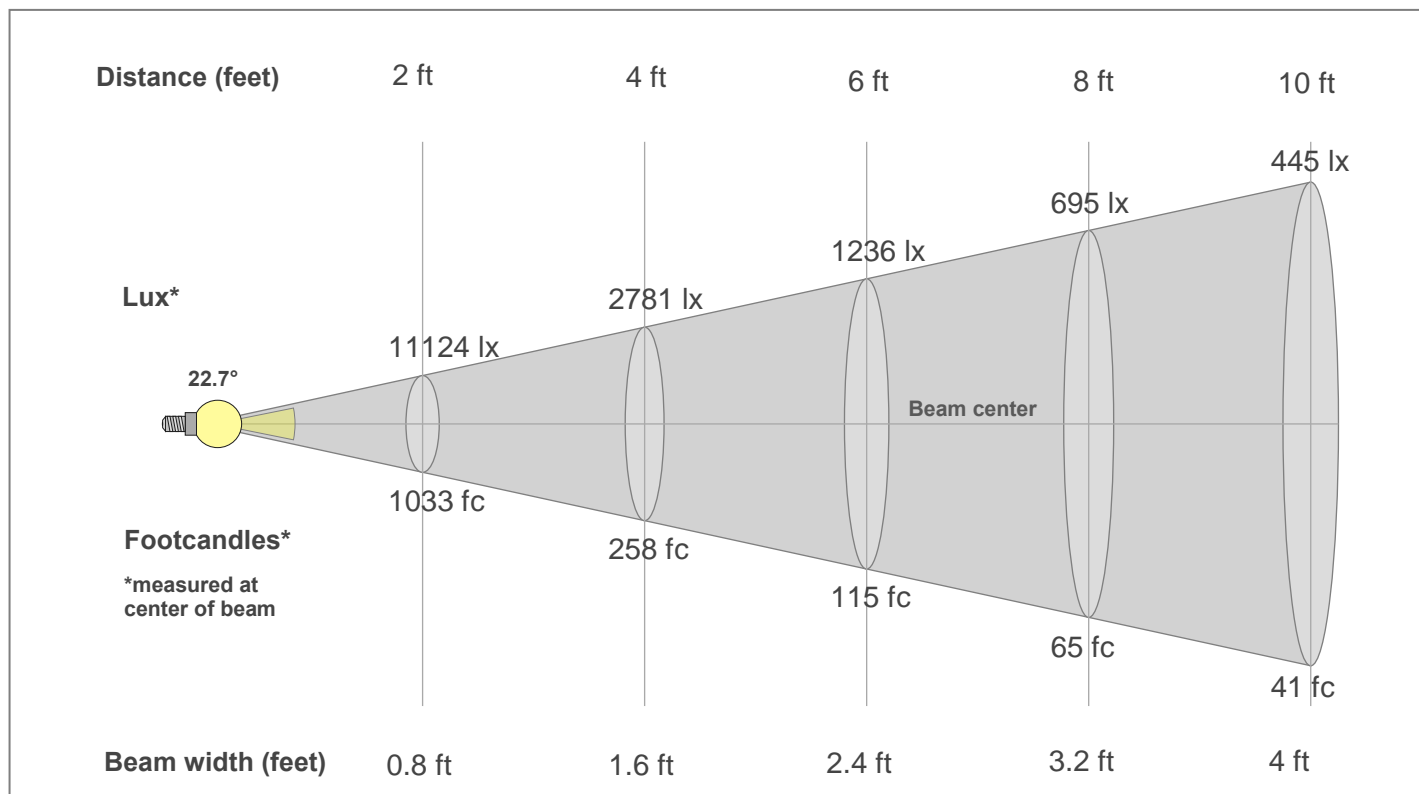
**Rg 100.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	96	-2%	0%
5	96	-1%	2%
6	97	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	2%
10	93	0%	5%
11	91	2%	6%
12	92	4%	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
4134lx	1033lx	459lx	258lx	165lx	115lx	84lx	65lx	51lx	41lx	34lx	29lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
384fc	96fc	42.7fc	24fc	15.4fc	10.7fc	7.8fc	6fc	4.7fc	3.8fc	3.2fc	2.7fc	2.3fc	2fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc	1fc

### 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°
4134	4060	3828	3432	2941	2402	1901	1482	1156	903	705	546	423	331	263	211	169	135	108	88
100%	98%	93%	83%	71%	58%	46%	36%	28%	22%	17%	13%	10%	8%	6%	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°
4134	4063	3846	3477	2989	2447	1922	1472	1123	860	664	510	392	306	242	194	156	126	102	84
100%	98%	93%	84%	72%	59%	47%	36%	27%	21%	16%	12%	9%	7%	6%	5%	4%	3%	2%	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°
4134	4060	3828	3432	2941	2402	1901	1482	1156	903	705	546	423	331	263	211	169	135	108	88
100%	98%	93%	83%	71%	58%	46%	36%	28%	22%	17%	13%	10%	8%	6%	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°
4134	4063	3846	3477	2989	2447	1922	1472	1123	860	664	510	392	306	242	194	156	126	102	84
100%	98%	93%	84%	72%	59%	47%	36%	27%	21%	16%	12%	9%	7%	6%	5%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.7°	47.8°	72.3°	99.4%	97.4%