

Photometric / Colorimetric / Electric Report

Fixture Model:

805-K5-WD-4-15-PR1-8.5-350-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

8/5/2024



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 96.7

Color temperature:

3002 K

CIE 1931:

**x: 0.436
y: 0.402**

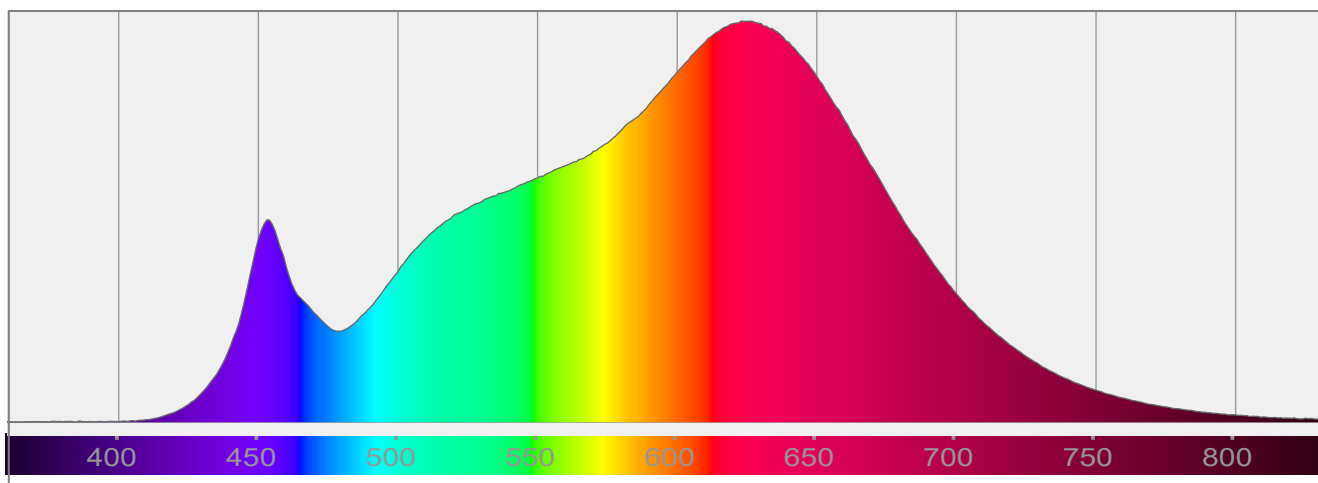
Output: 913 lm

Peak: 4132 cd

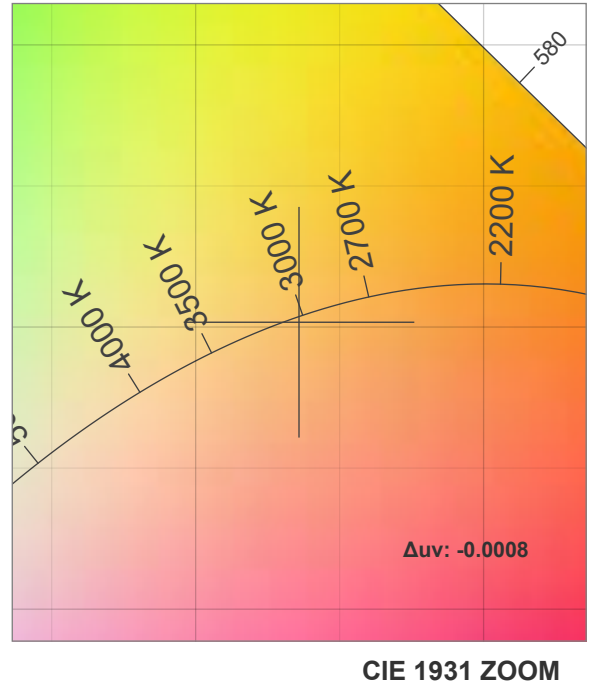
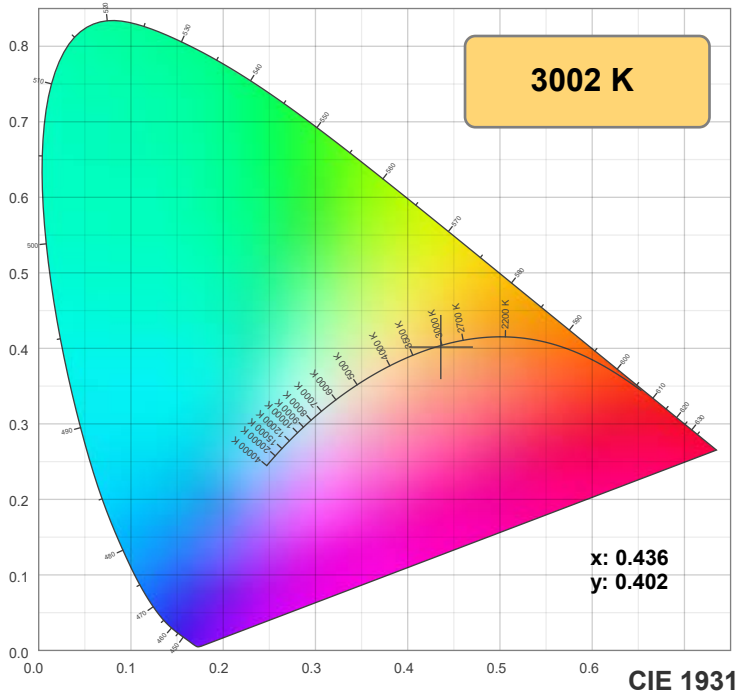
Power: 14.7 W

PF: 0.99

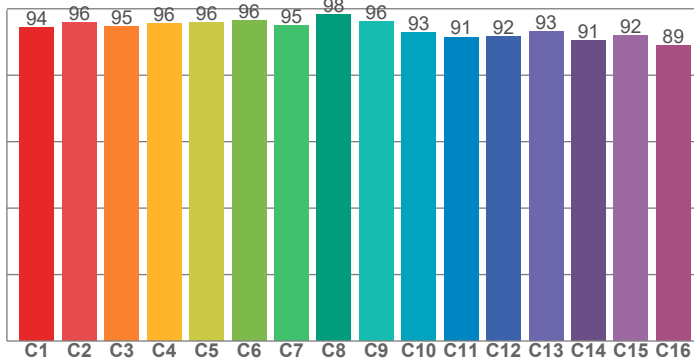
Spectra:



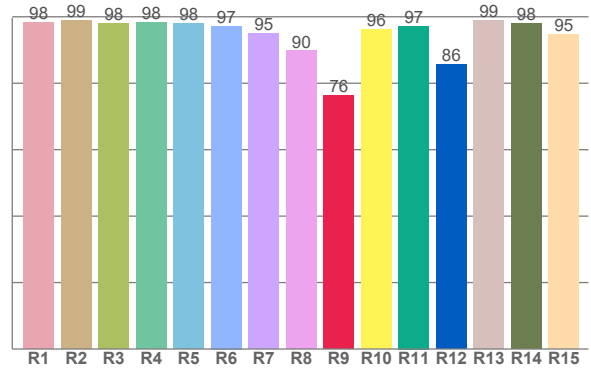
Color Details



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	98.0	97.2	95.0	89.7	76.3	96.2	97.2	85.8	98.8	97.9	94.8

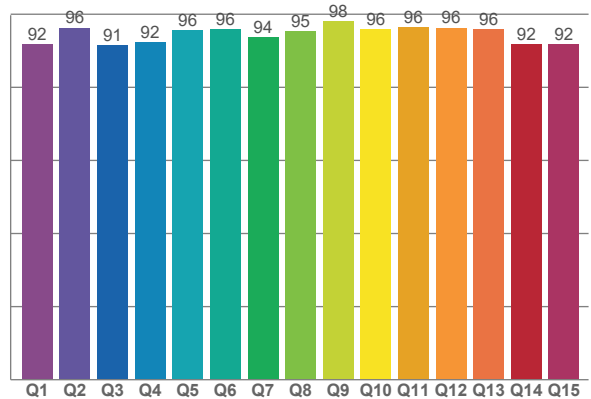
TM30 C Values:

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	91.9	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	95.8	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	Δuv
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

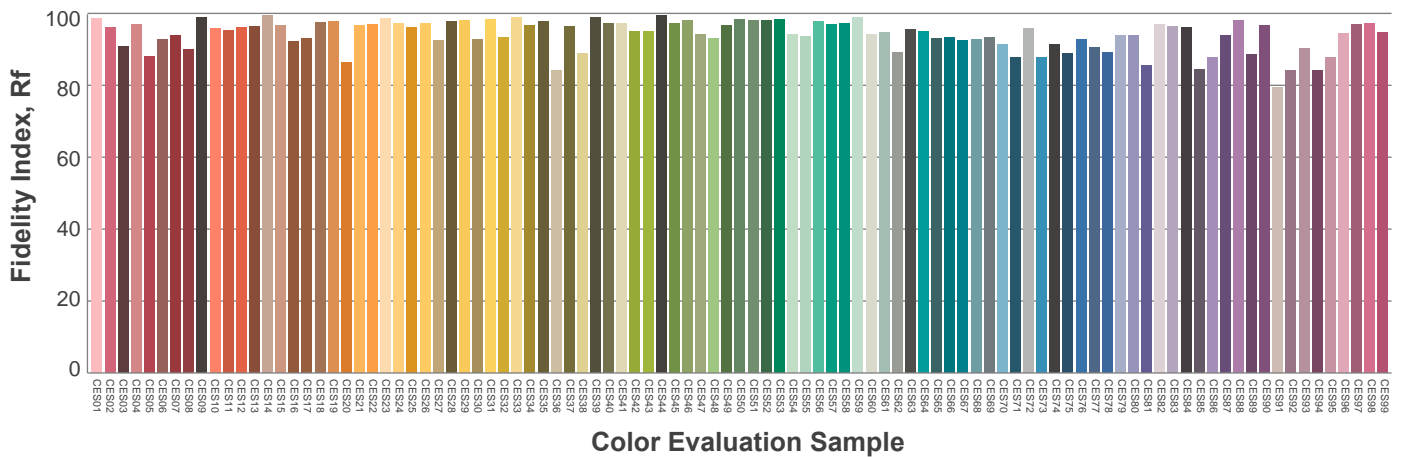
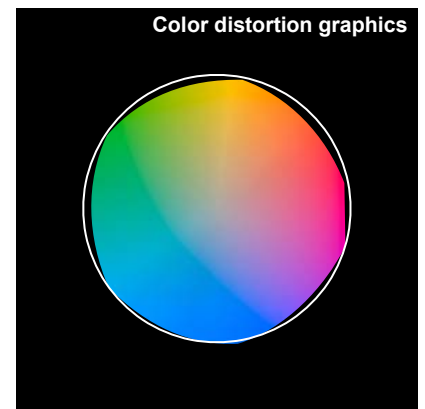
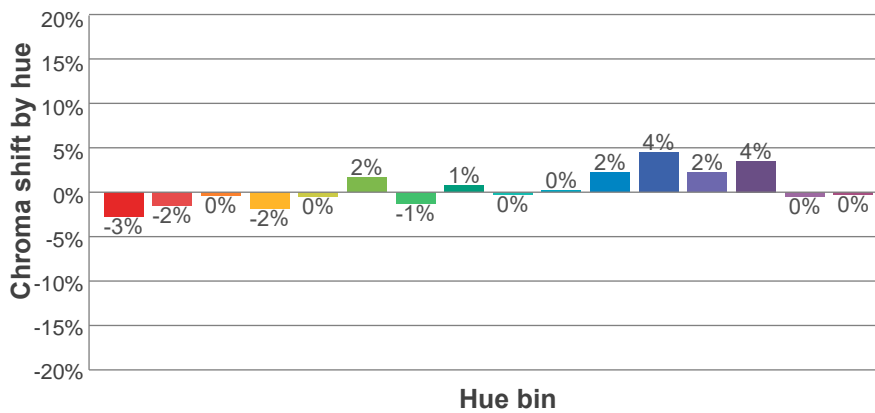
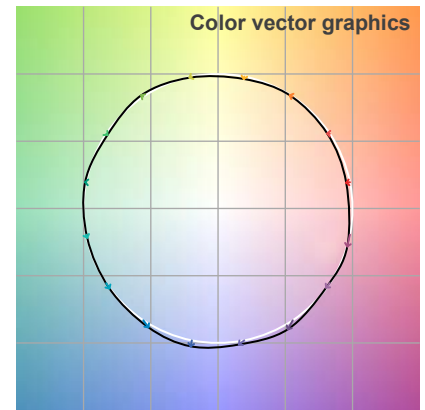
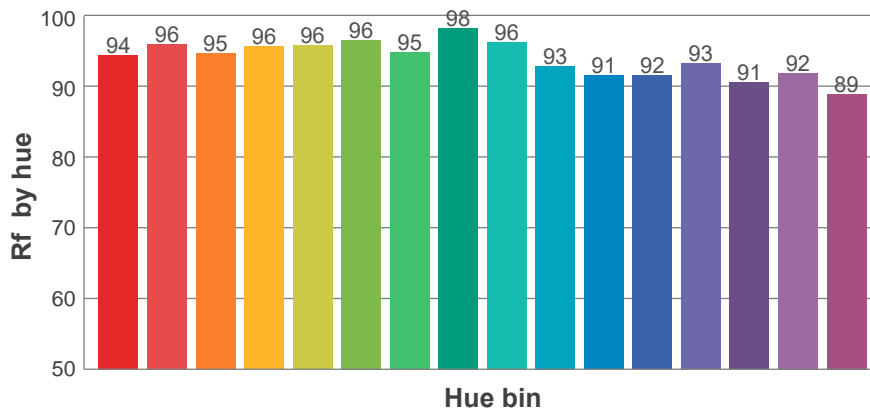
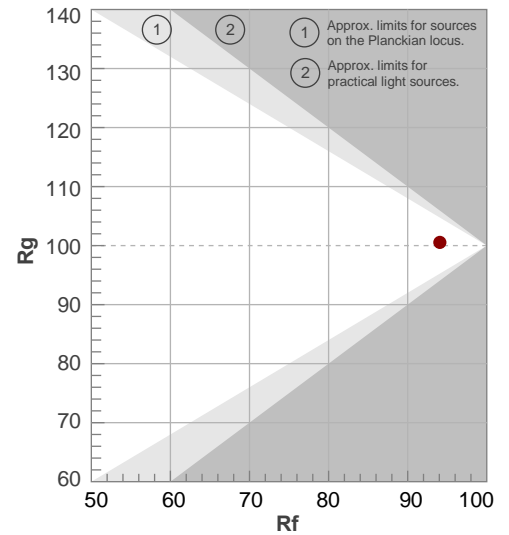
Rf 94.1

Fidelity index Rf

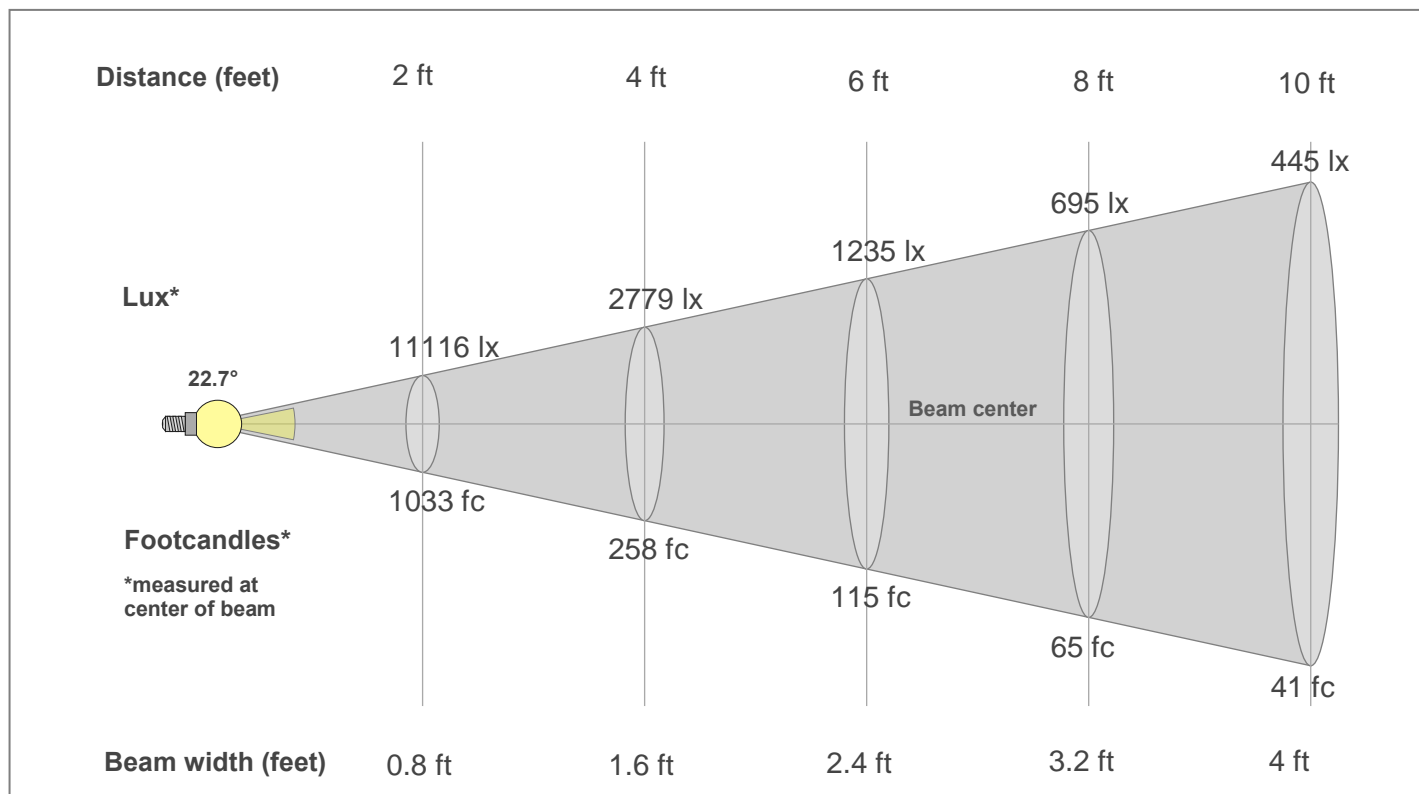
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	96	-2%	0%
5	96	0%	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	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
4131lx	1033lx	459lx	258lx	165lx	115lx	84lx	65lx	51lx	41lx	34lx	29lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
383.8fc	95.9fc	42.6fc	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°
4131	4062	3834	3434	2939	2394	1889	1463	1137	884	688	531	410	319	252	196	148	108	77	53
100%	98%	93%	83%	71%	58%	46%	35%	28%	21%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

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°
4131	4063	3845	3474	2984	2439	1911	1457	1105	842	647	494	378	293	229	178	134	98	71	50
100%	98%	93%	84%	72%	59%	46%	35%	27%	20%	16%	12%	9%	7%	6%	4%	3%	2%	2%	1%

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°
4131	4062	3834	3434	2939	2394	1889	1463	1137	884	688	531	410	319	252	196	148	108	77	53
100%	98%	93%	83%	71%	58%	46%	35%	28%	21%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

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°
4131	4063	3845	3474	2984	2439	1911	1457	1105	842	647	494	378	293	229	178	134	98	71	50
100%	98%	93%	84%	72%	59%	46%	35%	27%	20%	16%	12%	9%	7%	6%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.7°	47.3°	67.9°	99.4%	98.8%