

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-TW-40-3500K-DAL2-8.5-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

2/3/2025



Light efficiency:

58 Lumen/Watt

Light quality:

CRI: 96.7

Color temperature:

3513 K

CIE 1931:

**x: 0.401
y: 0.380**

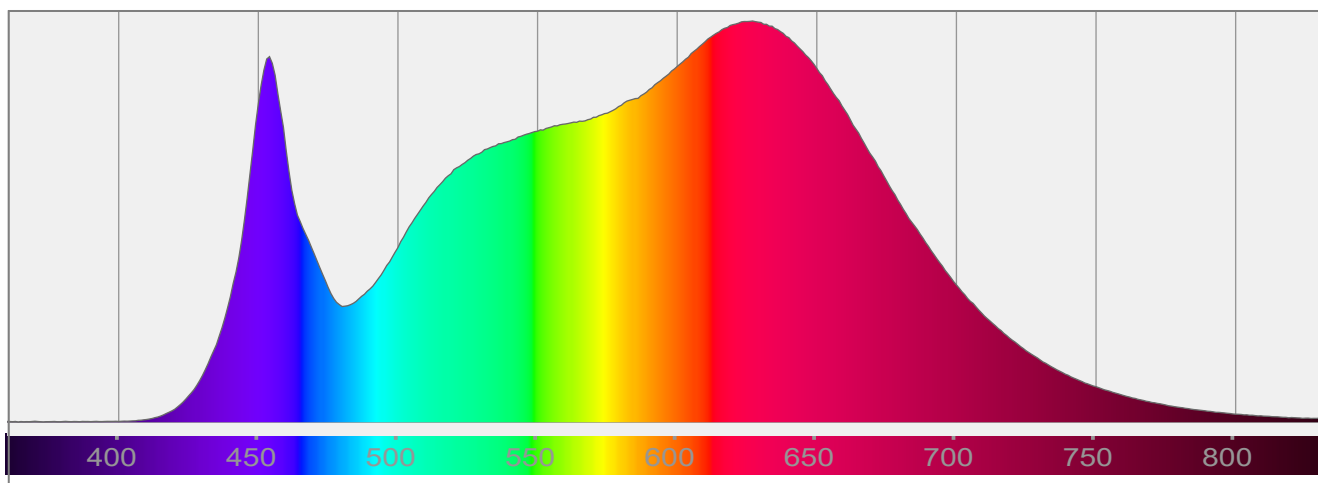
Output: 899 lm

Peak: 2065 cd

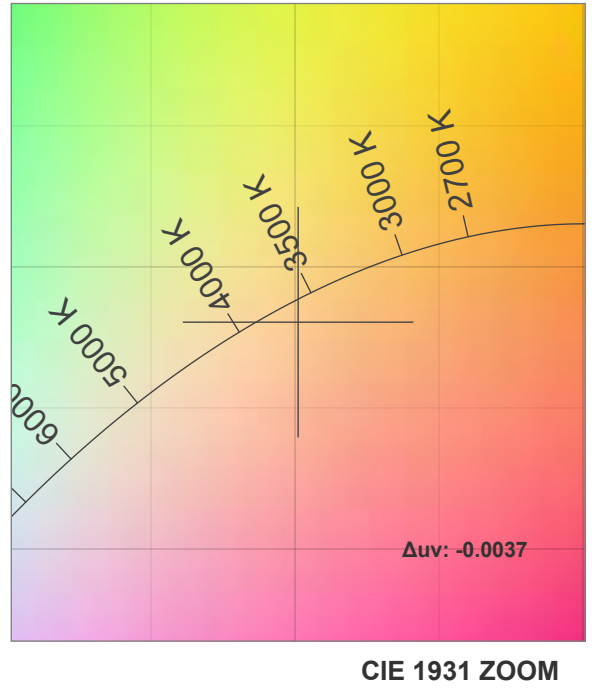
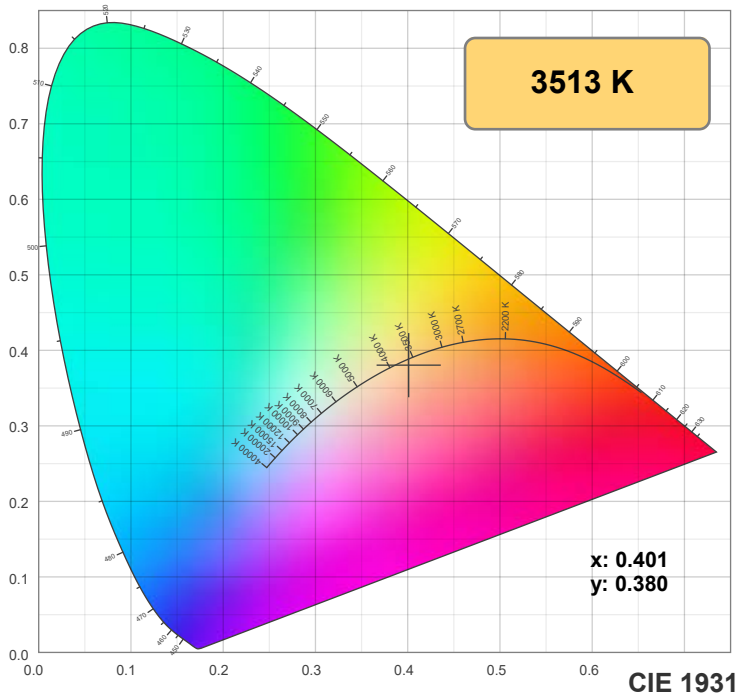
Power: 15.5 W

PF: 0.99

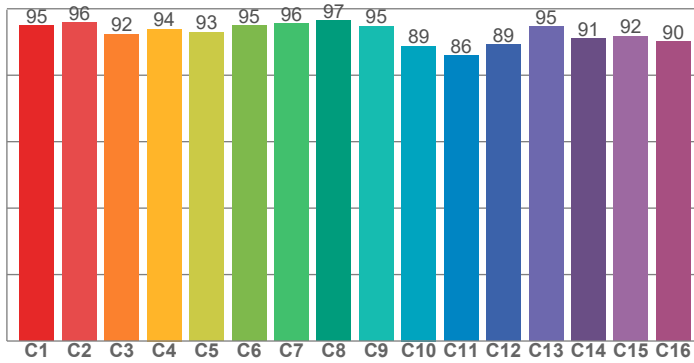
Spectra:



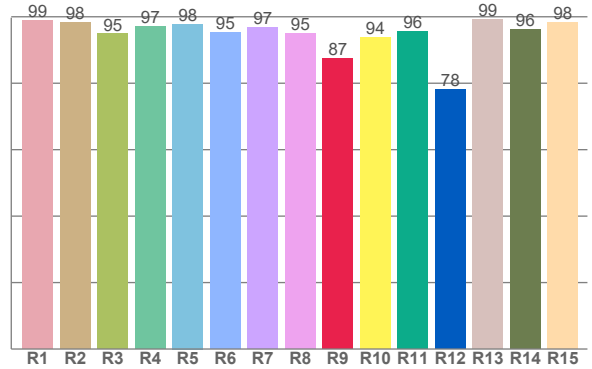
Color Details



TM-30: 92.6



CRI: 96.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.8	98.2	94.8	97.2	97.8	95.3	96.7	95.0	87.5	93.9	95.7	78.1	99.2	96.2	98.4

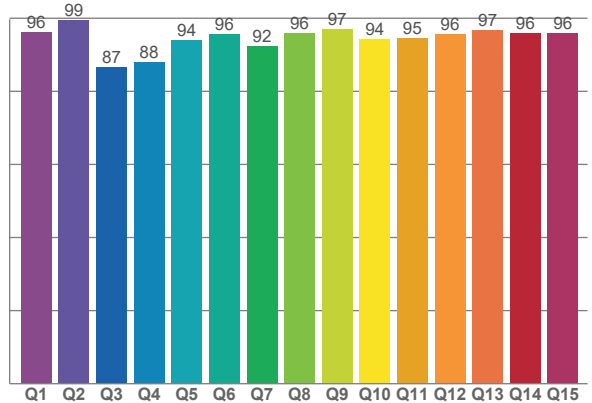
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.9	95.9	92.4	93.9	93.0	94.9	95.6	96.5	94.8	88.8	86.0	89.3	94.8	91.0	91.8	90.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.2	99.3	86.7	88.0	94.0	95.7	92.4	96.0	97.1	94.3	94.6	95.6	96.7	95.8	96.0

CQS: 93.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3513 K	96.7	87.5	92.6	101.8	93.7	0.401	0.380	0.237	0.337	-0.0037

TM-30 Details

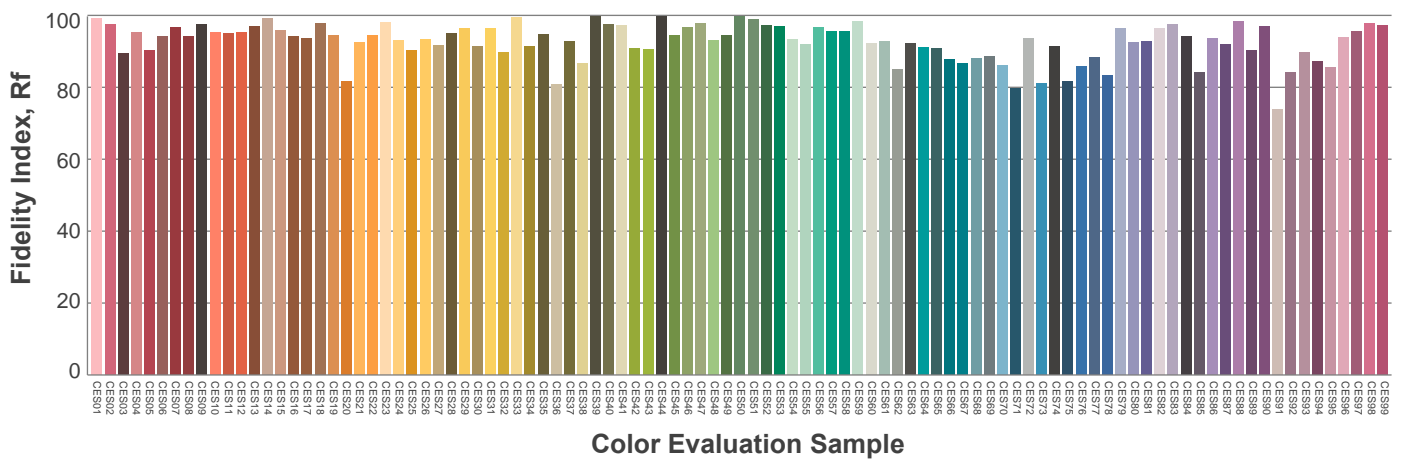
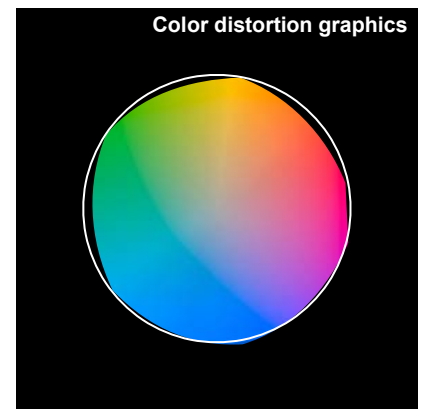
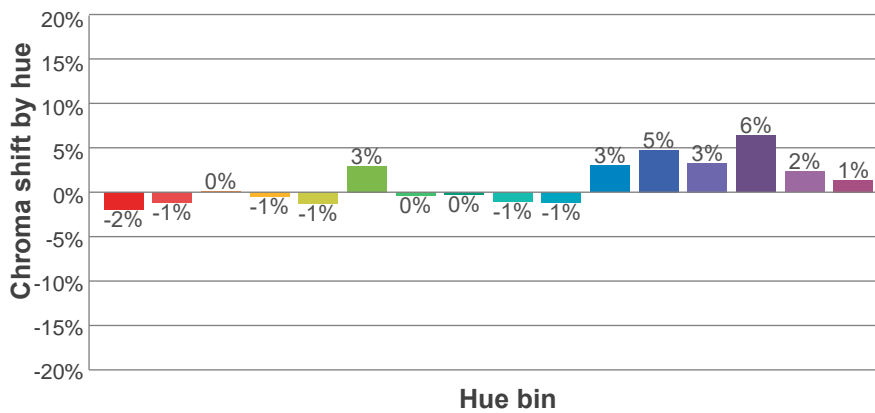
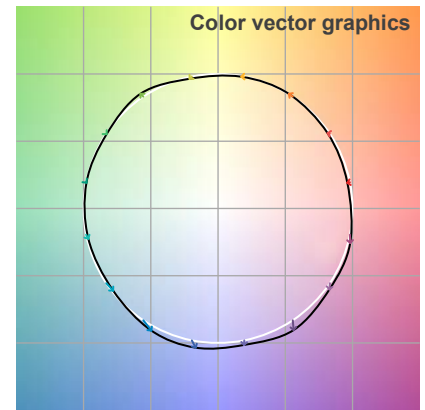
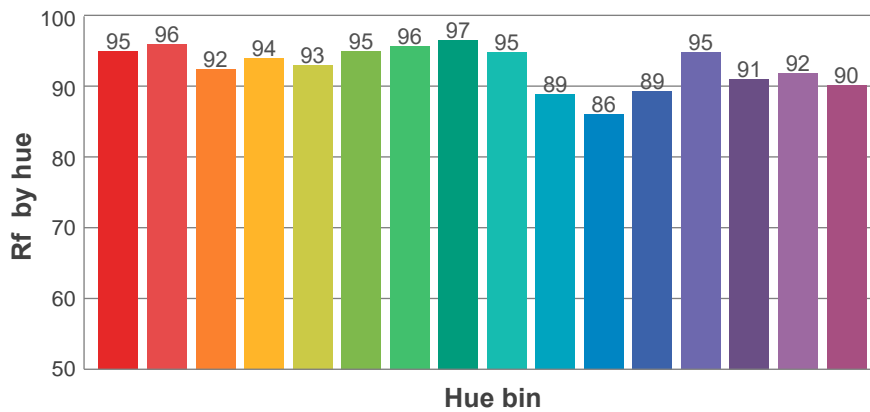
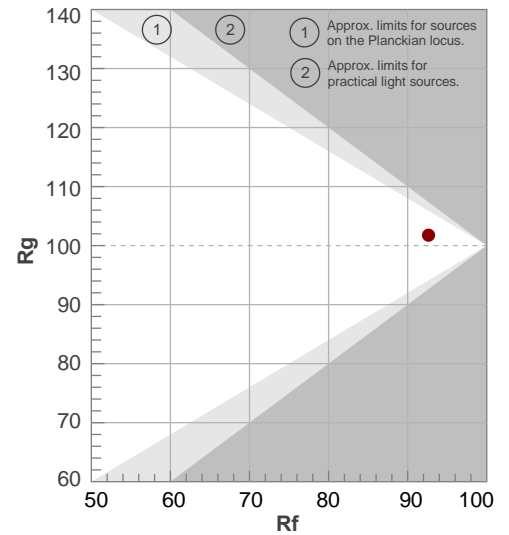
Rf 92.6

Fidelity index Rf

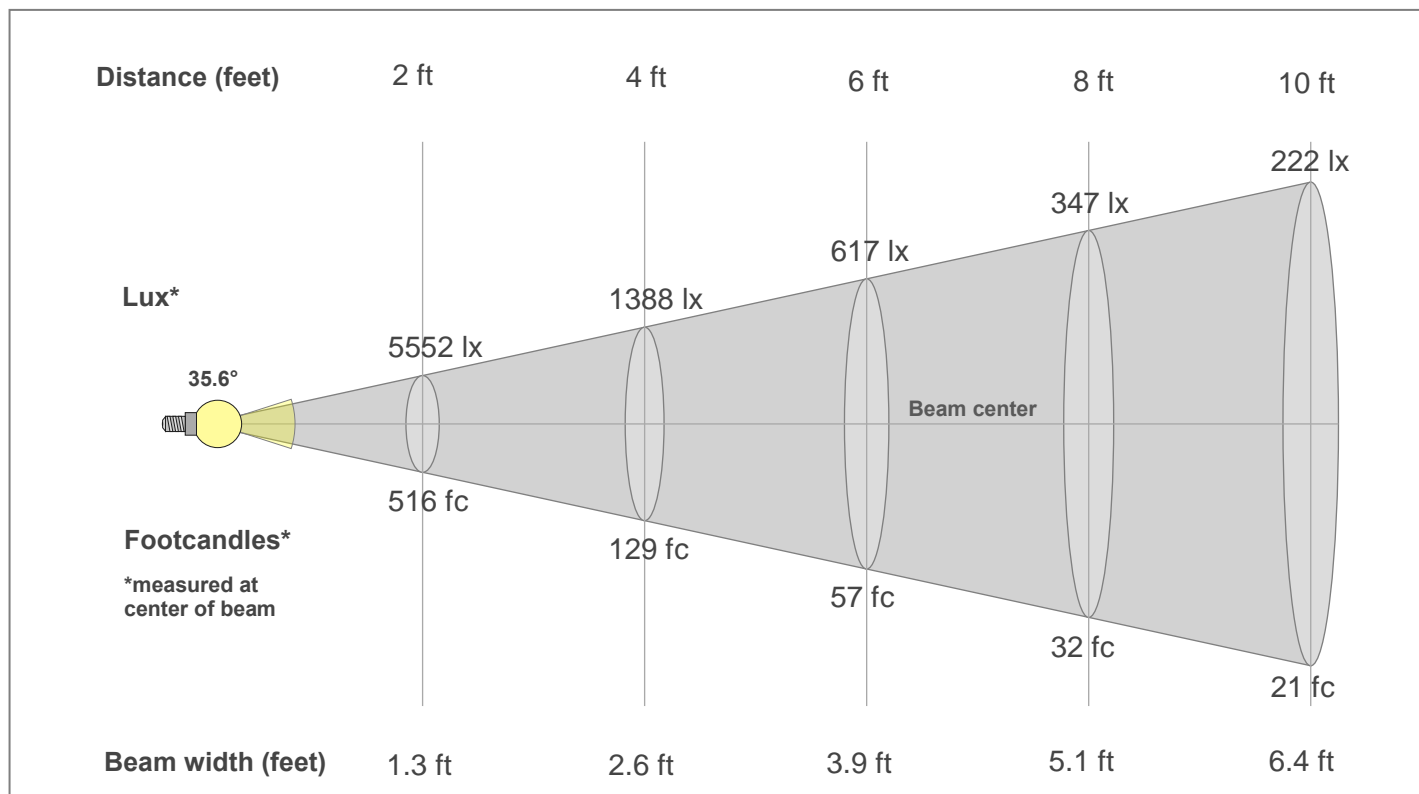
Rg 101.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	92	0%	4%
4	94	-1%	2%
5	93	-1%	2%
6	95	3%	1%
7	96	0%	0%
8	97	0%	0%
9	95	-1%	3%
10	89	-1%	7%
11	86	3%	9%
12	89	5%	4%
13	95	3%	-1%
14	91	6%	-3%
15	92	2%	-4%
16	90	1%	-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
2063lx	516lx	229lx	129lx	83lx	57lx	42lx	32lx	25lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
191.7fc	47.9fc	21.3fc	12fc	7.7fc	5.3fc	3.9fc	3fc	2.4fc	1.9fc	1.6fc	1.3fc	1.1fc	1fc	0.9fc	0.7fc	0.7fc	0.6fc	0.5fc	0.5fc

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°
2063	2047	1993	1908	1795	1660	1511	1351	1182	1015	854	707	575	464	371	290	223	169	126	96
100%	99%	97%	92%	87%	80%	73%	65%	57%	49%	41%	34%	28%	22%	18%	14%	11%	8%	6%	5%

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°
2063	2047	1996	1908	1795	1662	1512	1350	1184	1017	857	708	579	467	371	292	225	171	129	97
100%	99%	97%	92%	87%	81%	73%	65%	57%	49%	42%	34%	28%	23%	18%	14%	11%	8%	6%	5%

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°
2063	2047	1993	1908	1795	1660	1511	1351	1182	1015	854	707	575	464	371	290	223	169	126	96
100%	99%	97%	92%	87%	80%	73%	65%	57%	49%	41%	34%	28%	22%	18%	14%	11%	8%	6%	5%

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°
2063	2047	1996	1908	1795	1662	1512	1350	1184	1017	857	708	579	467	371	292	225	171	129	97
100%	99%	97%	92%	87%	81%	73%	65%	57%	49%	42%	34%	28%	23%	18%	14%	11%	8%	6%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
35.6°	65.2°	84.9°	99.6%	97.8%