

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-TW-40-2700K-DAL2-8.5-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

2/3/2025



Light efficiency:

51 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

2704 K

CIE 1931:

**x: 0.452
y: 0.397**

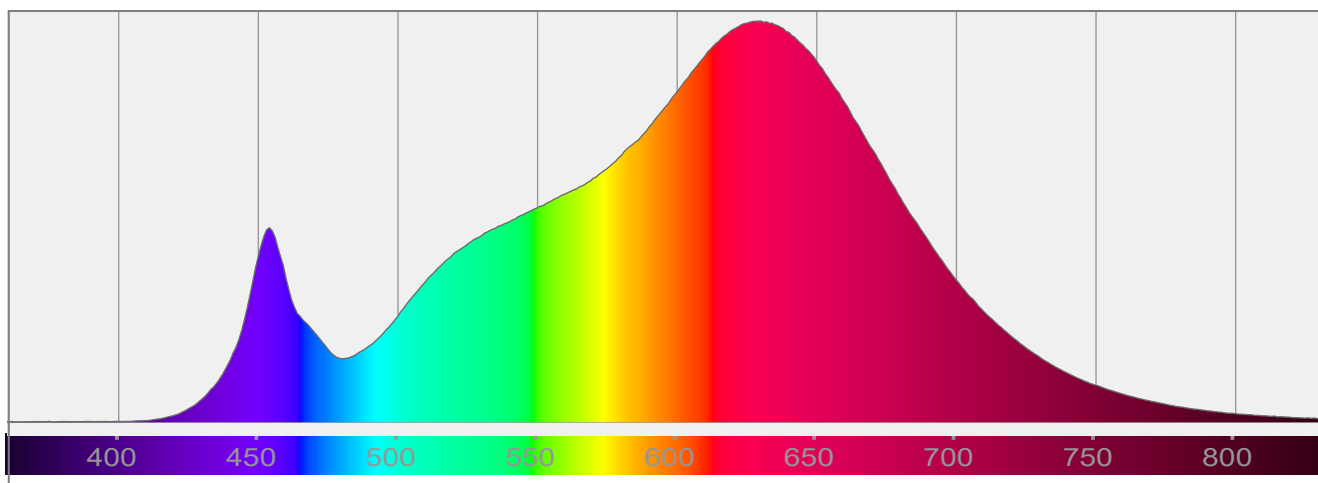
Output: 784 lm

Peak: 1802 cd

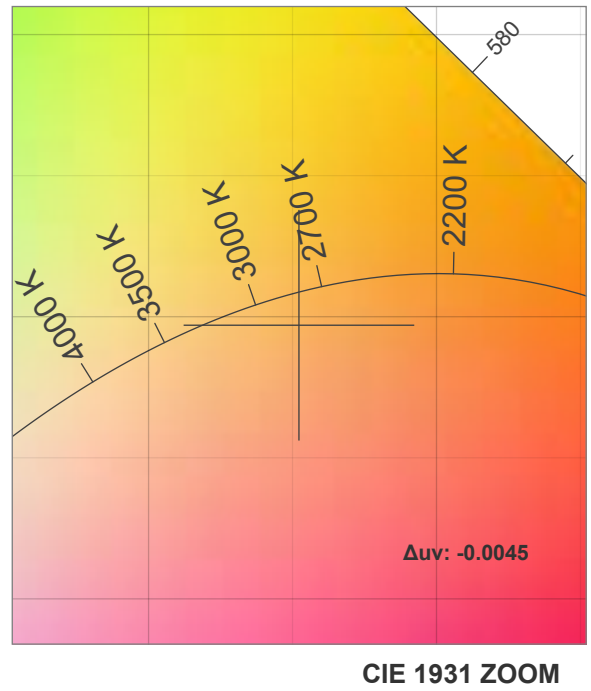
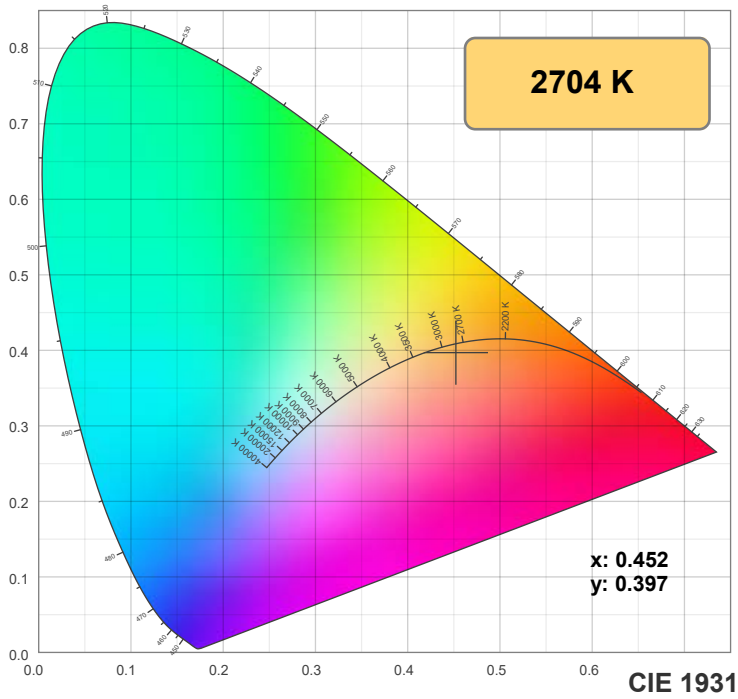
Power: 15.5 W

PF: 0.99

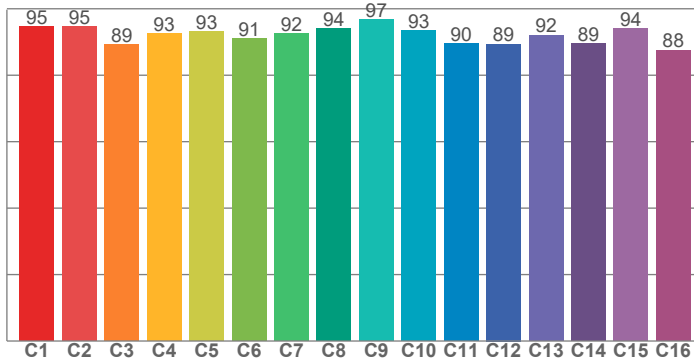
Spectra:



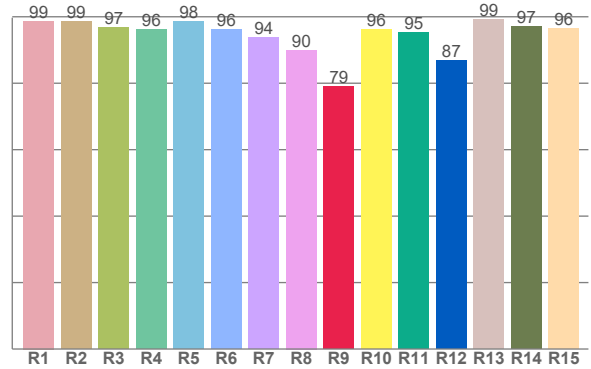
Color Details



TM-30: 92.3



CRI: 96.1 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.7	98.6	96.8	96.3	98.5	96.2	93.7	90.0	79.1	96.0	95.3	86.8	99.1	97.1	96.4

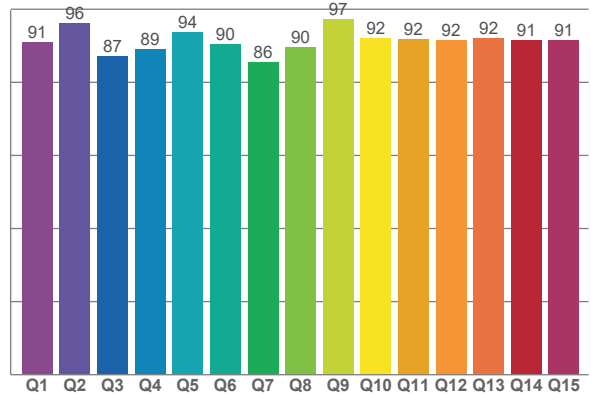
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.7	94.6	89.3	92.6	93.0	91.0	92.4	94.1	96.7	93.4	89.6	89.4	92.1	89.5	94.0	87.5

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.0	96.1	87.1	89.0	93.8	90.5	85.6	89.7	97.2	92.0	91.7	91.6	92.1	91.5	91.4

CQS: 90.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2704 K	96.1	79.1	92.3	103.7	90.7	0.452	0.397	0.264	0.347	-0.0045

TM-30 Details

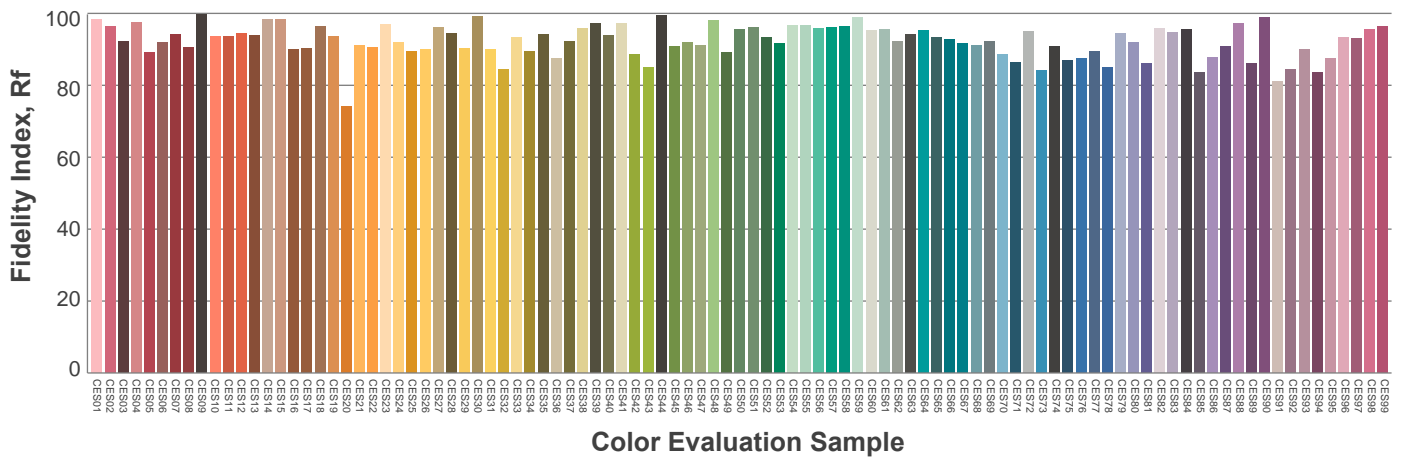
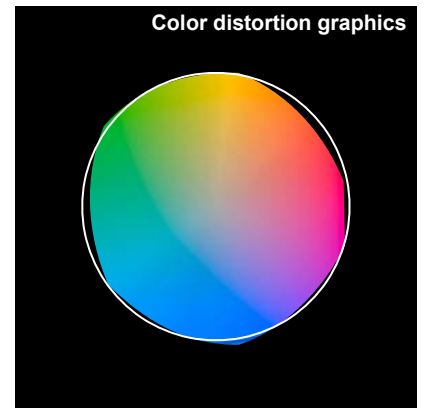
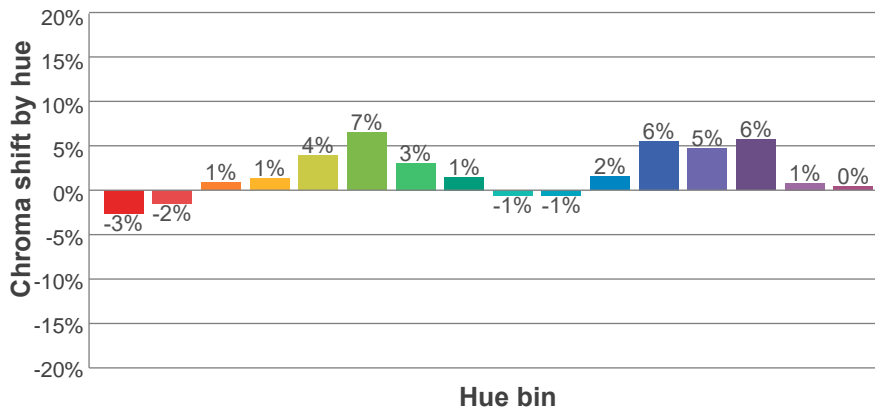
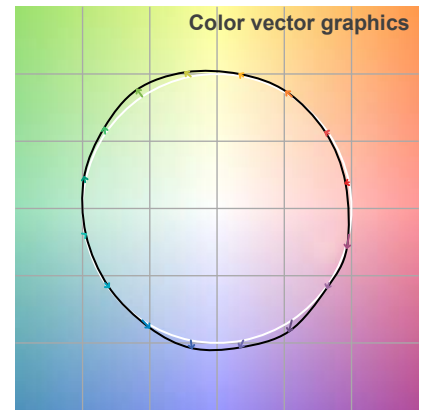
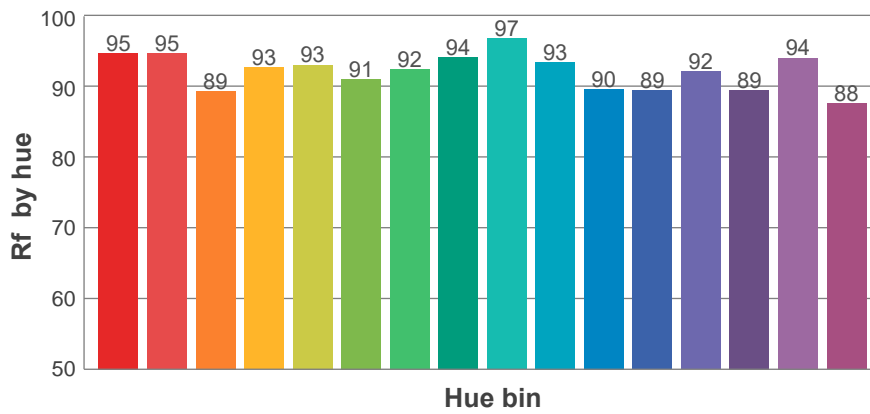
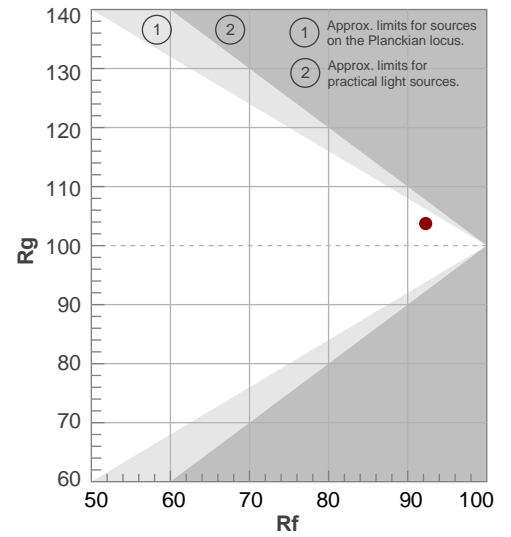
Rf 92.3

Fidelity index Rf

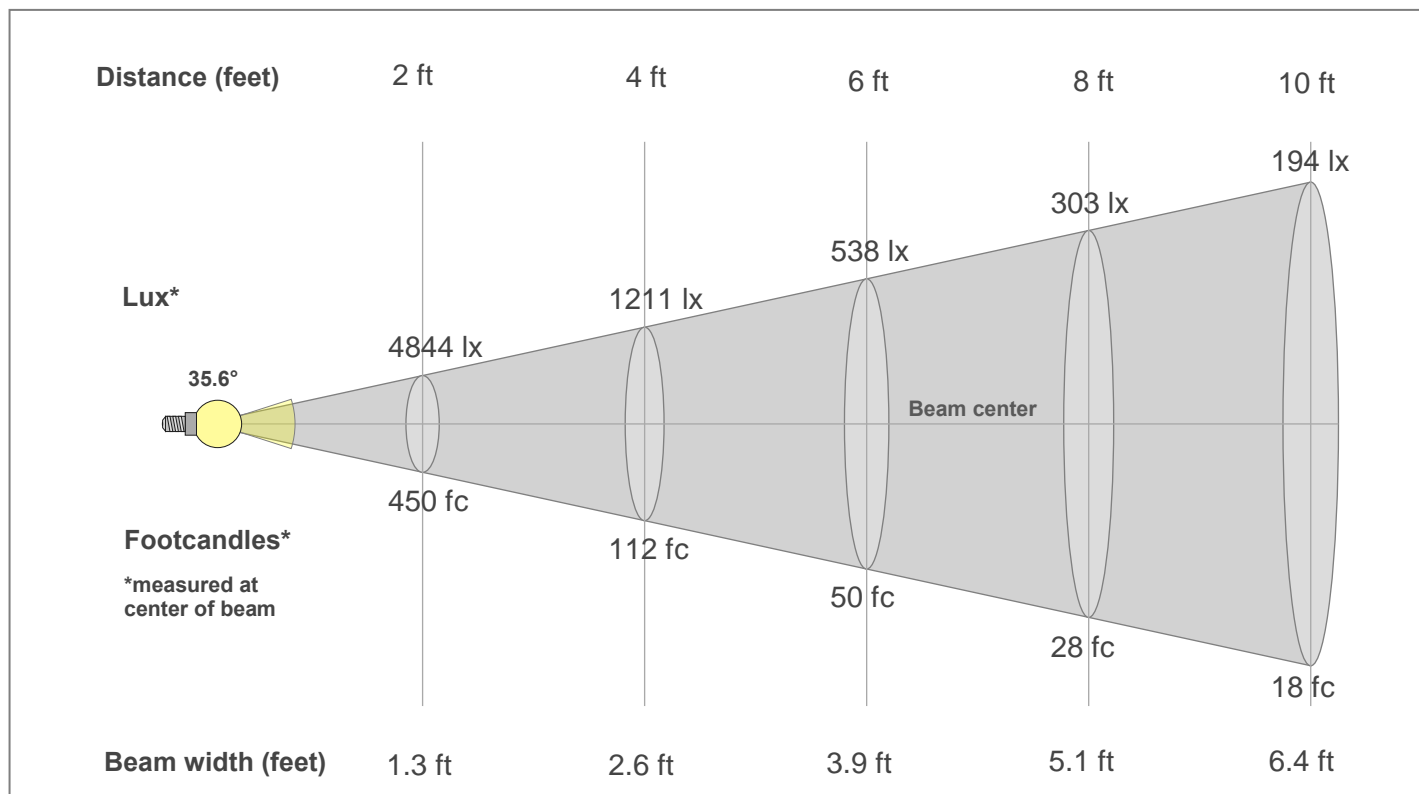
Rg 103.7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	95	-2%	3%
3	89	1%	6%
4	93	1%	3%
5	93	4%	3%
6	91	7%	0%
7	92	3%	-3%
8	94	1%	-4%
9	97	-1%	0%
10	93	-1%	4%
11	90	2%	7%
12	89	6%	2%
13	92	5%	-3%
14	89	6%	-6%
15	94	1%	-4%
16	88	0%	-10%



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
1800lx	450lx	200lx	112lx	72lx	50lx	37lx	28lx	22lx	18lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	4lx
167.2fc	41.8fc	18.6fc	10.5fc	6.7fc	4.6fc	3.4fc	2.6fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.7fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc

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°
1800	1787	1741	1666	1568	1450	1319	1179	1033	886	745	616	501	403	321	251	194	146	110	83
100%	99%	97%	93%	87%	81%	73%	66%	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°
1800	1787	1742	1666	1569	1454	1322	1180	1034	887	747	618	505	407	324	254	195	148	111	84
100%	99%	97%	93%	87%	81%	73%	66%	57%	49%	41%	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°
1800	1787	1741	1666	1568	1450	1319	1179	1033	886	745	616	501	403	321	251	194	146	110	83
100%	99%	97%	93%	87%	81%	73%	66%	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°
1800	1787	1742	1666	1569	1454	1322	1180	1034	887	747	618	505	407	324	254	195	148	111	84
100%	99%	97%	93%	87%	81%	73%	66%	57%	49%	41%	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°	65.1°	84.8°	99.6%	97.8%