

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-TW-25-4500K-DAL2-8.5-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

2/3/2025



Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 93.7

Color temperature:

4514 K

CIE 1931:

**x: 0.361
y: 0.365**

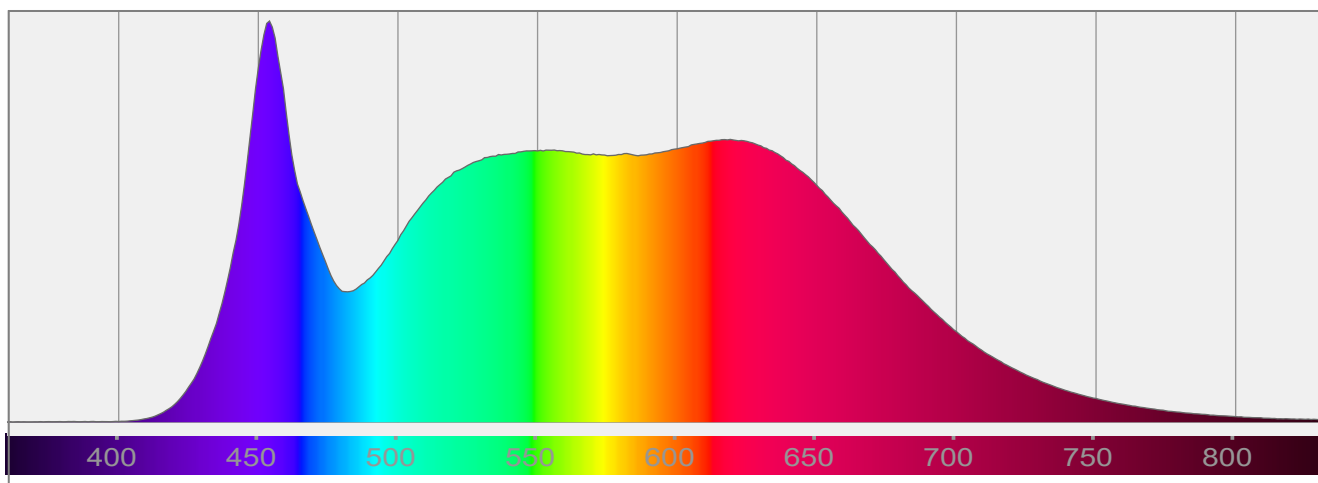
Output: 804 lm

Peak: 2901 cd

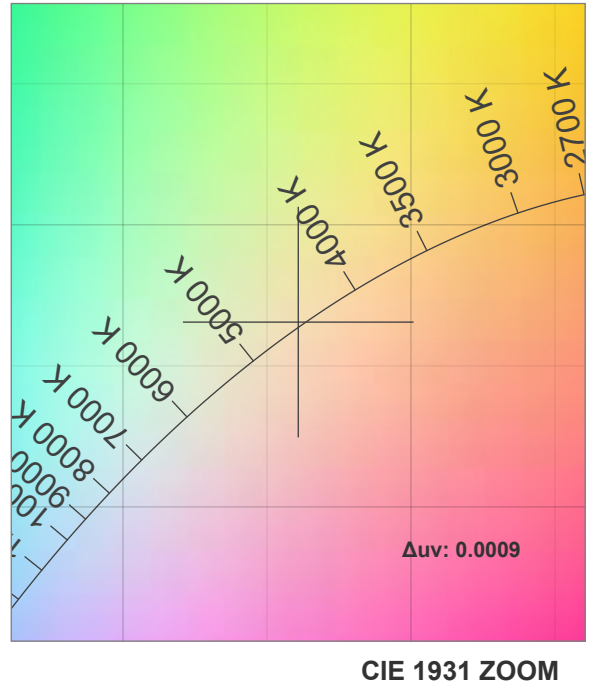
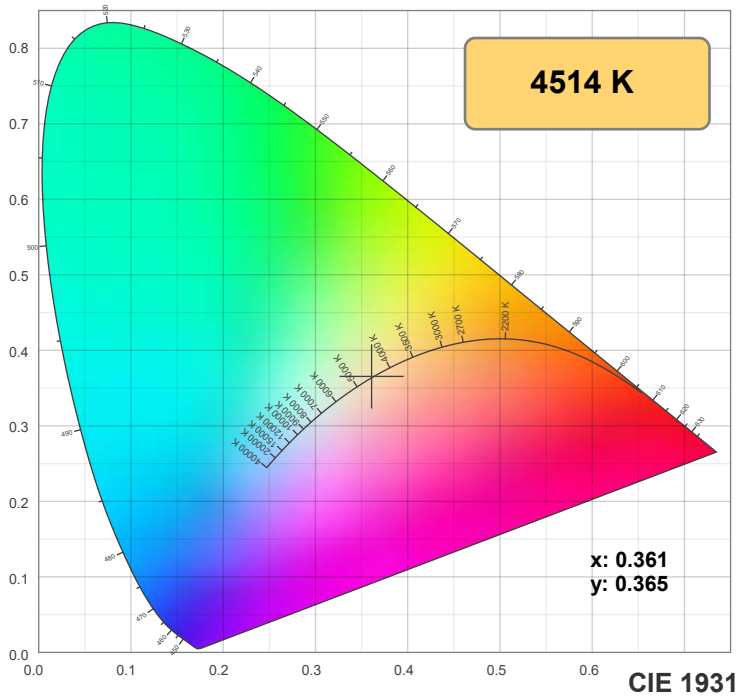
Power: 15.5 W

PF: 1.0

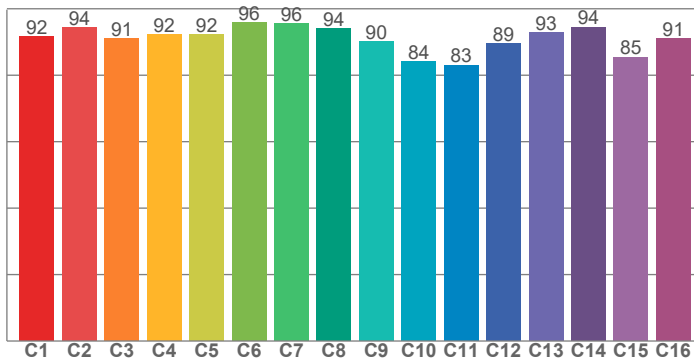
Spectra:



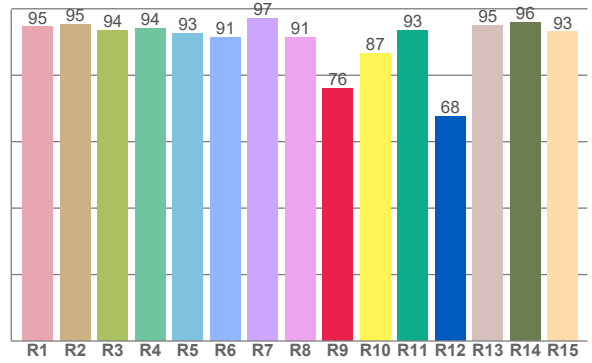
Color Details



TM-30: 90.9



CRI: 93.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.5	95.3	93.6	94.2	92.6	91.3	97.0	91.5	76.0	86.7	93.4	67.7	94.9	96.0	93.0

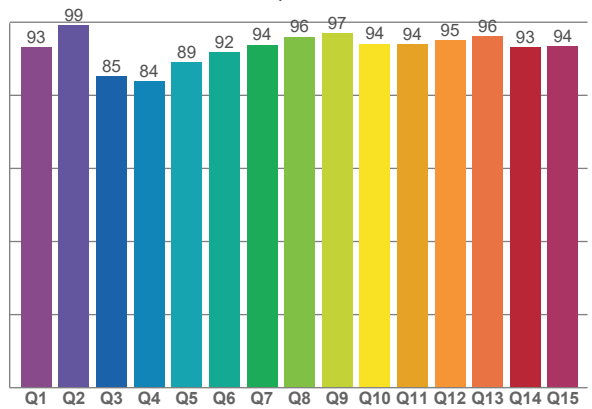
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.6	94.4	91.0	92.2	92.3	95.8	95.5	94.0	90.2	84.2	83.0	89.4	92.8	94.5	85.4	91.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.1	99.1	85.2	83.9	89.1	91.8	93.8	96.0	96.9	94.1	93.9	95.2	96.1	93.1	93.5

CQS: 91.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4514 K	93.7	76.0	90.9	99.6	91.9	0.361	0.365	0.217	0.329	0.0009

TM-30 Details

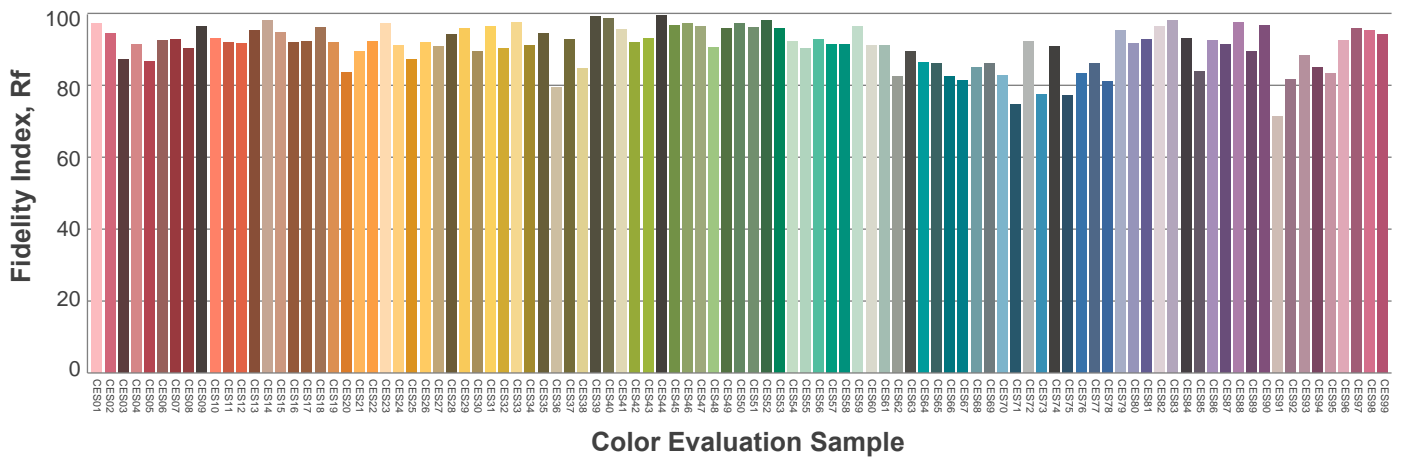
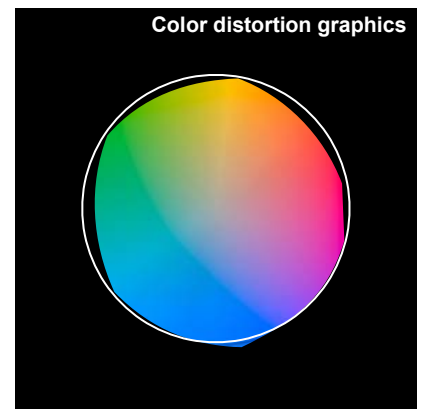
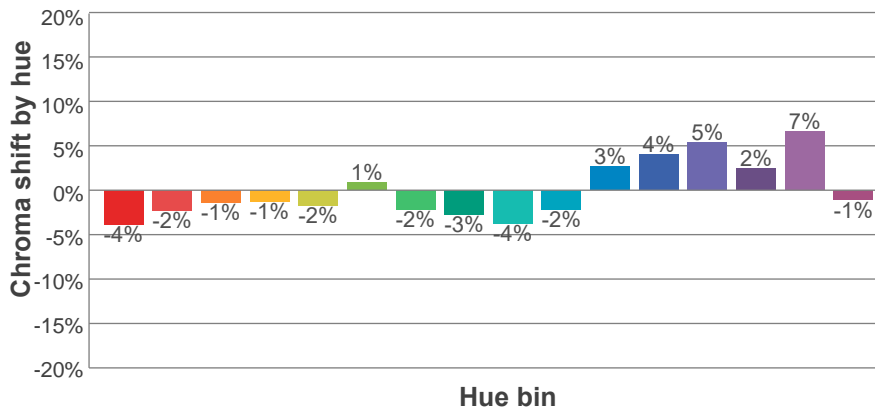
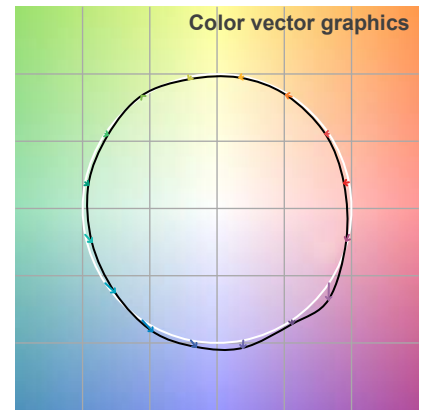
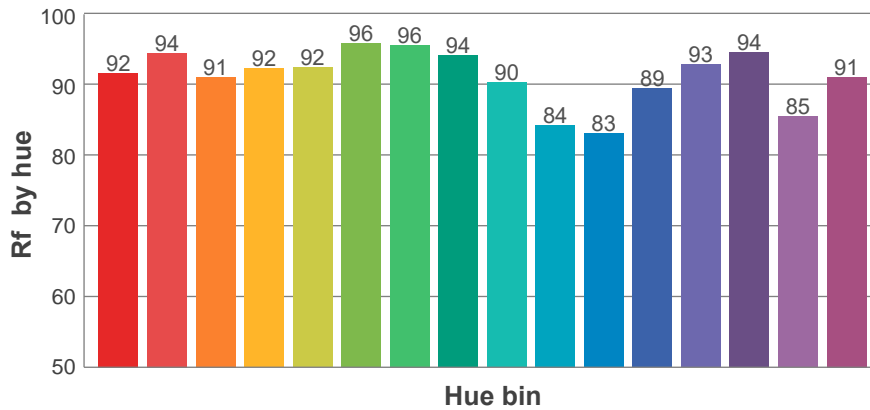
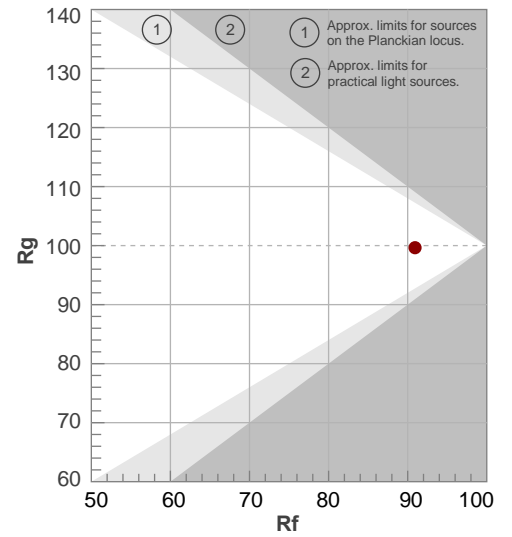
Rf 90.9

Fidelity index Rf

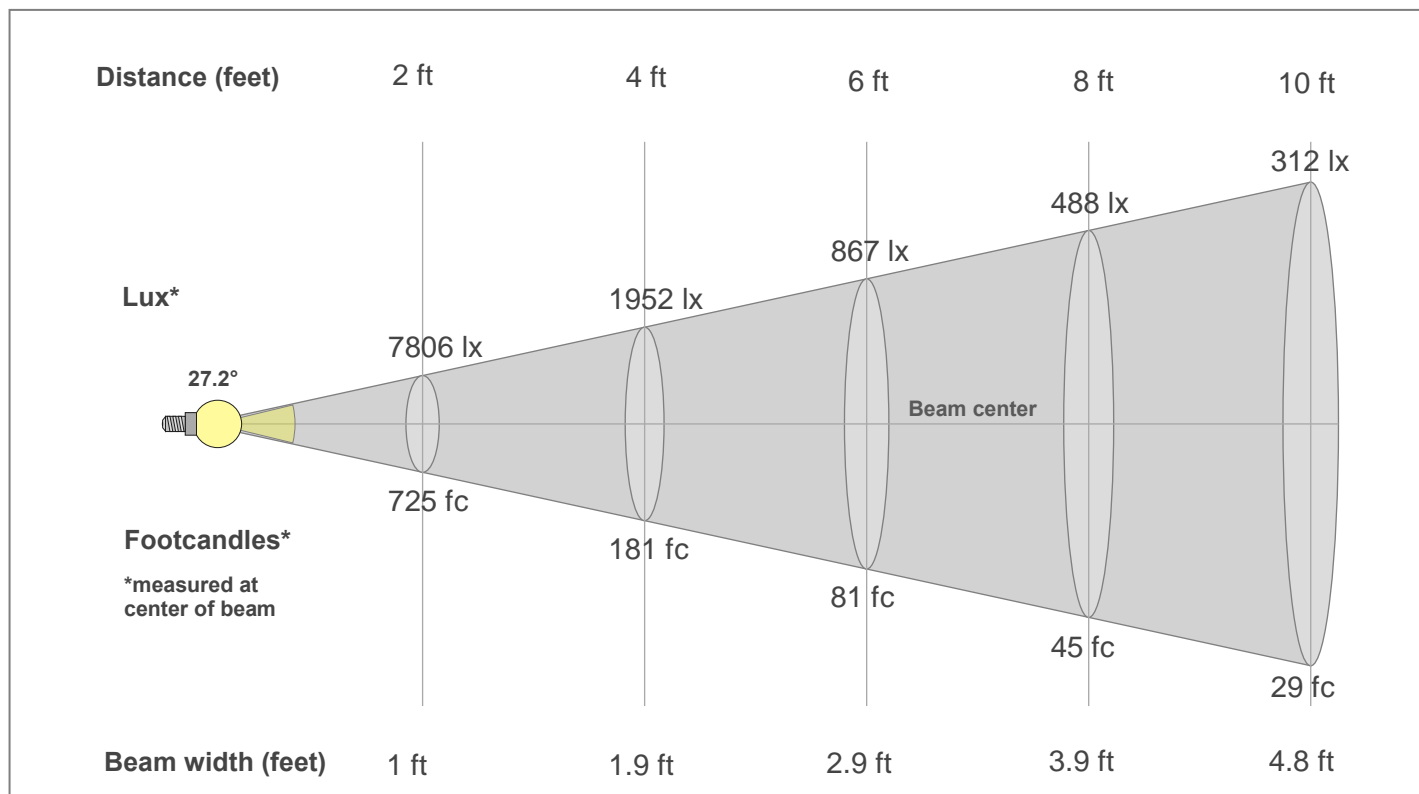
Rg 99.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-2%	1%
3	91	-1%	4%
4	92	-1%	3%
5	92	-2%	2%
6	96	1%	0%
7	96	-2%	0%
8	94	-3%	1%
9	90	-4%	6%
10	84	-2%	10%
11	83	3%	11%
12	89	4%	5%
13	93	5%	-1%
14	94	2%	-1%
15	85	7%	-10%
16	91	-1%	-5%



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
2901lx	725lx	322lx	181lx	116lx	81lx	59lx	45lx	36lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
269.5fc	67.4fc	29.9fc	16.8fc	10.8fc	7.5fc	5.5fc	4.2fc	3.3fc	2.7fc	2.2fc	1.9fc	1.6fc	1.4fc	1.2fc	1.1fc	0.9fc	0.8fc	0.7fc	0.7fc

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°
2901	2854	2721	2515	2264	1982	1685	1391	1118	877	677	516	393	301	231	176	129	91	63	41
100%	98%	94%	87%	78%	68%	58%	48%	39%	30%	23%	18%	14%	10%	8%	6%	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°
2901	2856	2728	2528	2277	1993	1695	1401	1128	887	686	523	398	303	233	177	128	89	62	41
100%	98%	94%	87%	79%	69%	58%	48%	39%	31%	24%	18%	14%	10%	8%	6%	4%	3%	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°
2901	2854	2721	2515	2264	1982	1685	1391	1118	877	677	516	393	301	231	176	129	91	63	41
100%	98%	94%	87%	78%	68%	58%	48%	39%	30%	23%	18%	14%	10%	8%	6%	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°
2901	2856	2728	2528	2277	1993	1695	1401	1128	887	686	523	398	303	233	177	128	89	62	41
100%	98%	94%	87%	79%	69%	58%	48%	39%	31%	24%	18%	14%	10%	8%	6%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
27.2°	52.6°	70.4°	99.6%	99.0%