

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-TW-15T-4000K-DAL2-8.5-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

1/22/2025



Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 95.0

Color temperature:

3882 K

CIE 1931:

**x: 0.385
y: 0.378**

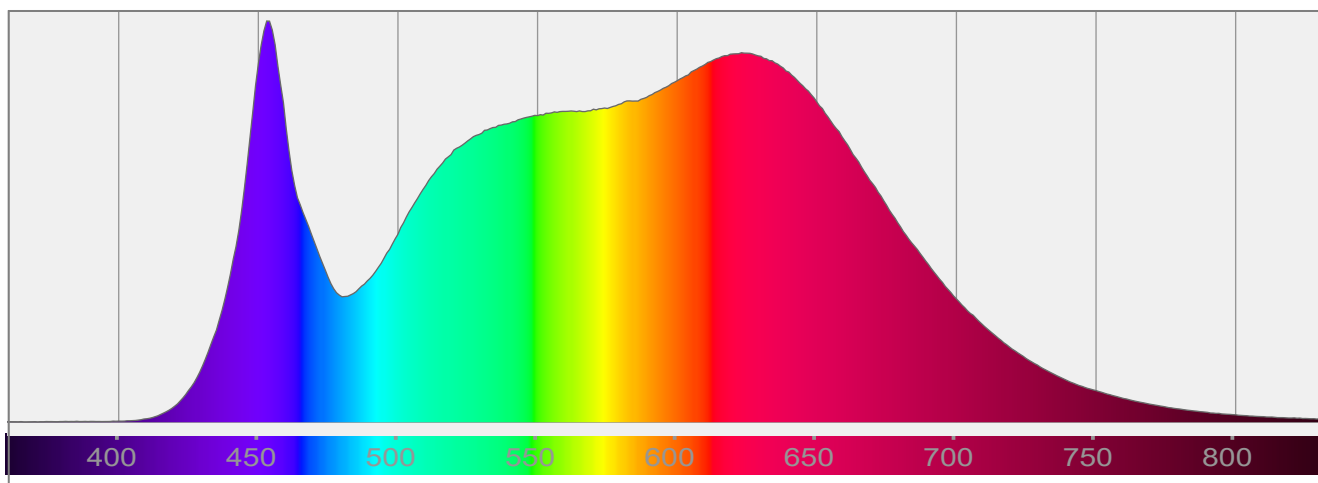
Output: 1029 lm

Peak: 7465 cd

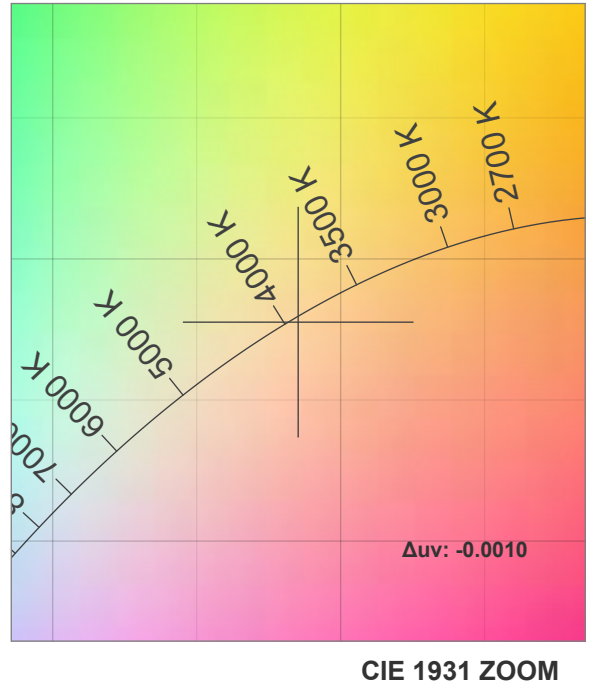
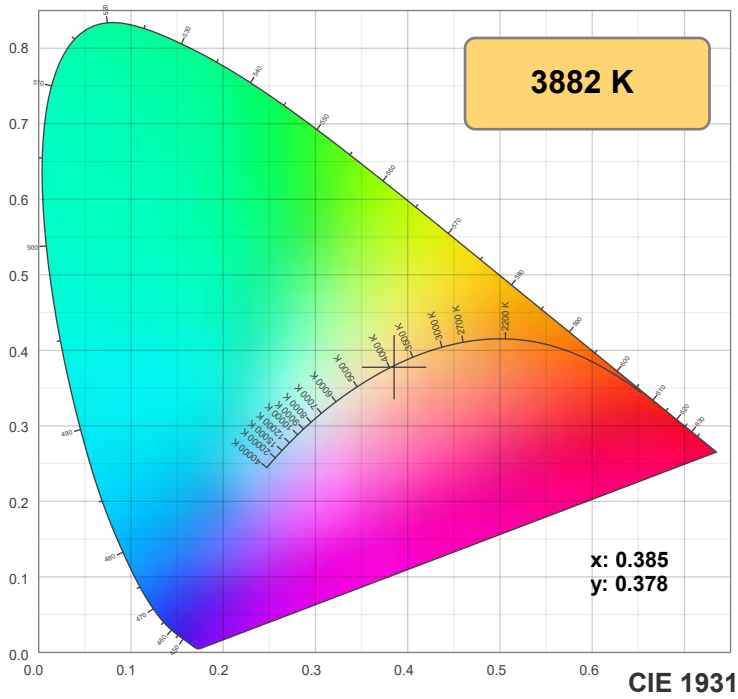
Power: 15.6 W

PF: 0.99

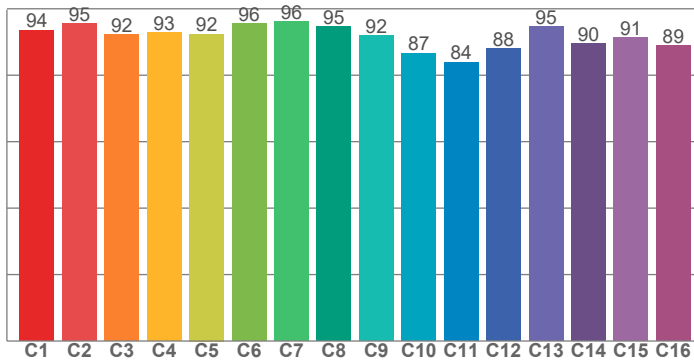
Spectra:



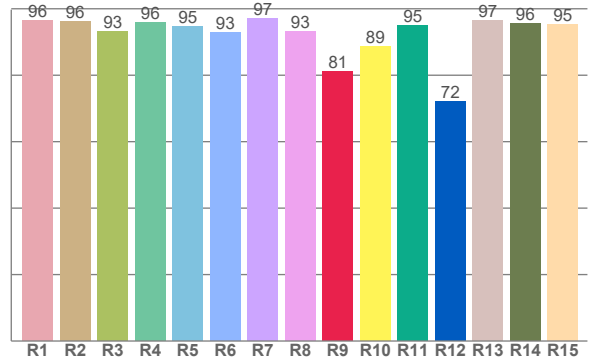
Color Details



TM-30: 91.7



CRI: 95.0 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.4	96.1	93.3	95.9	94.8	92.8	97.0	93.2	81.2	88.6	95.0	72.2	96.6	95.5	95.4

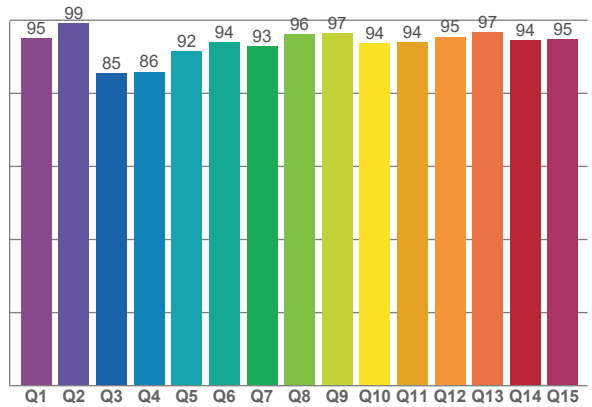
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.6	95.5	92.1	92.8	92.4	95.7	96.1	94.7	91.9	86.7	84.0	88.1	94.6	89.6	91.2	89.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95.0	99.2	85.4	85.9	91.5	94.0	92.9	96.1	96.5	93.8	94.0	95.5	96.7	94.4	94.7

CQS: 92.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3882 K	95.0	81.2	91.7	100.6	92.8	0.385	0.378	0.228	0.335	-0.0010

TM-30 Details

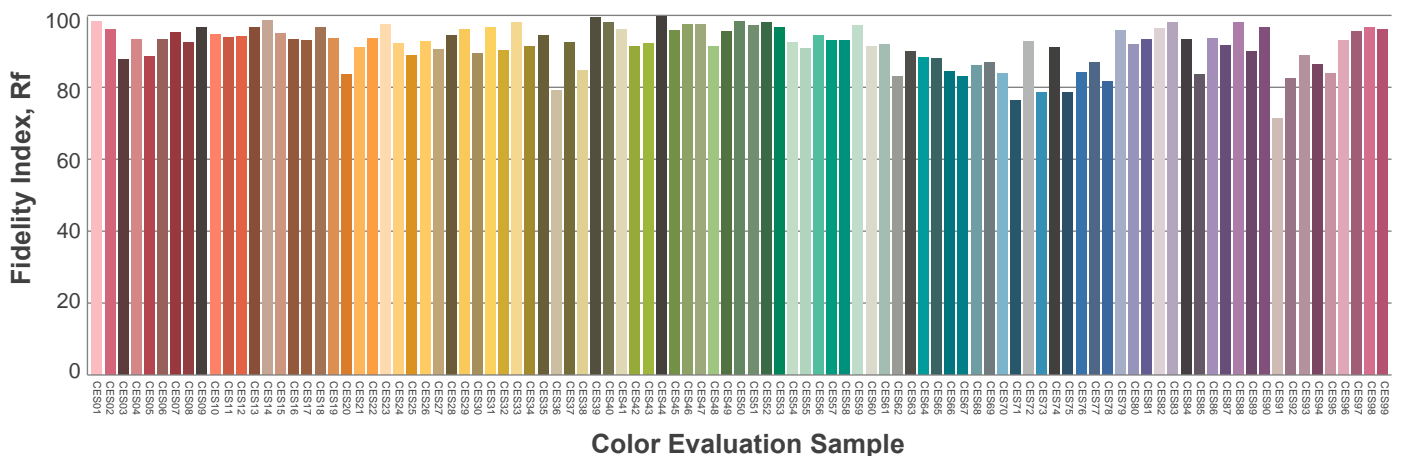
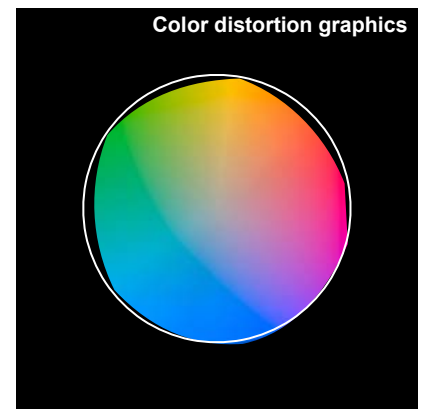
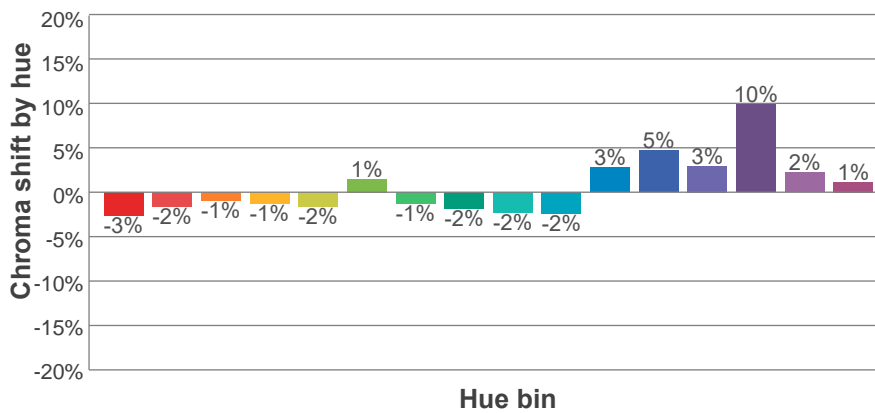
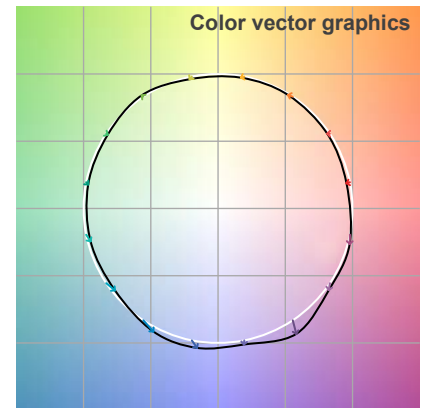
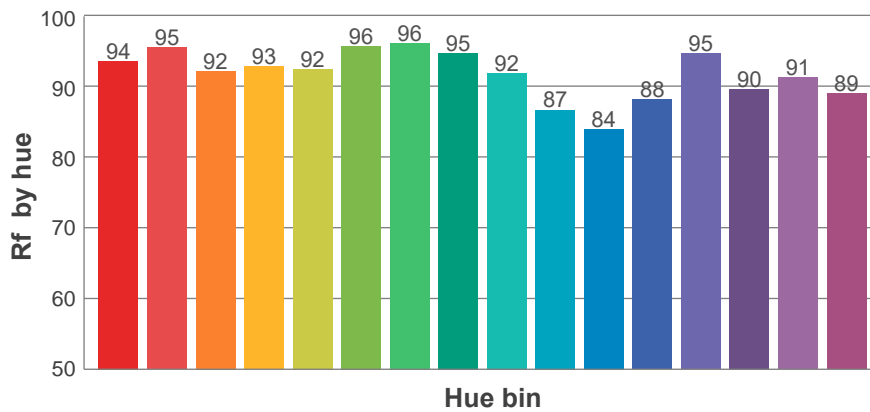
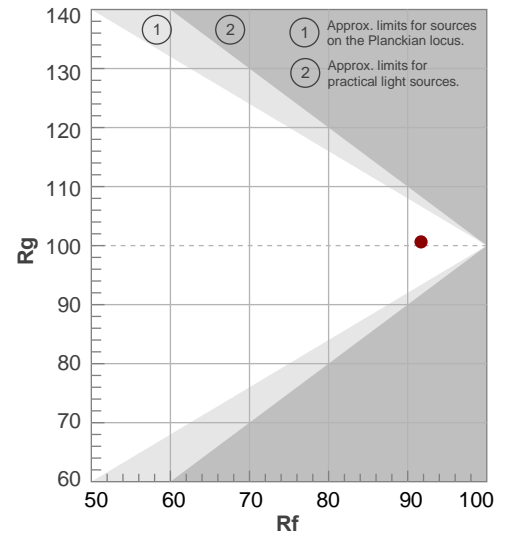
Rf 91.7

Fidelity index Rf

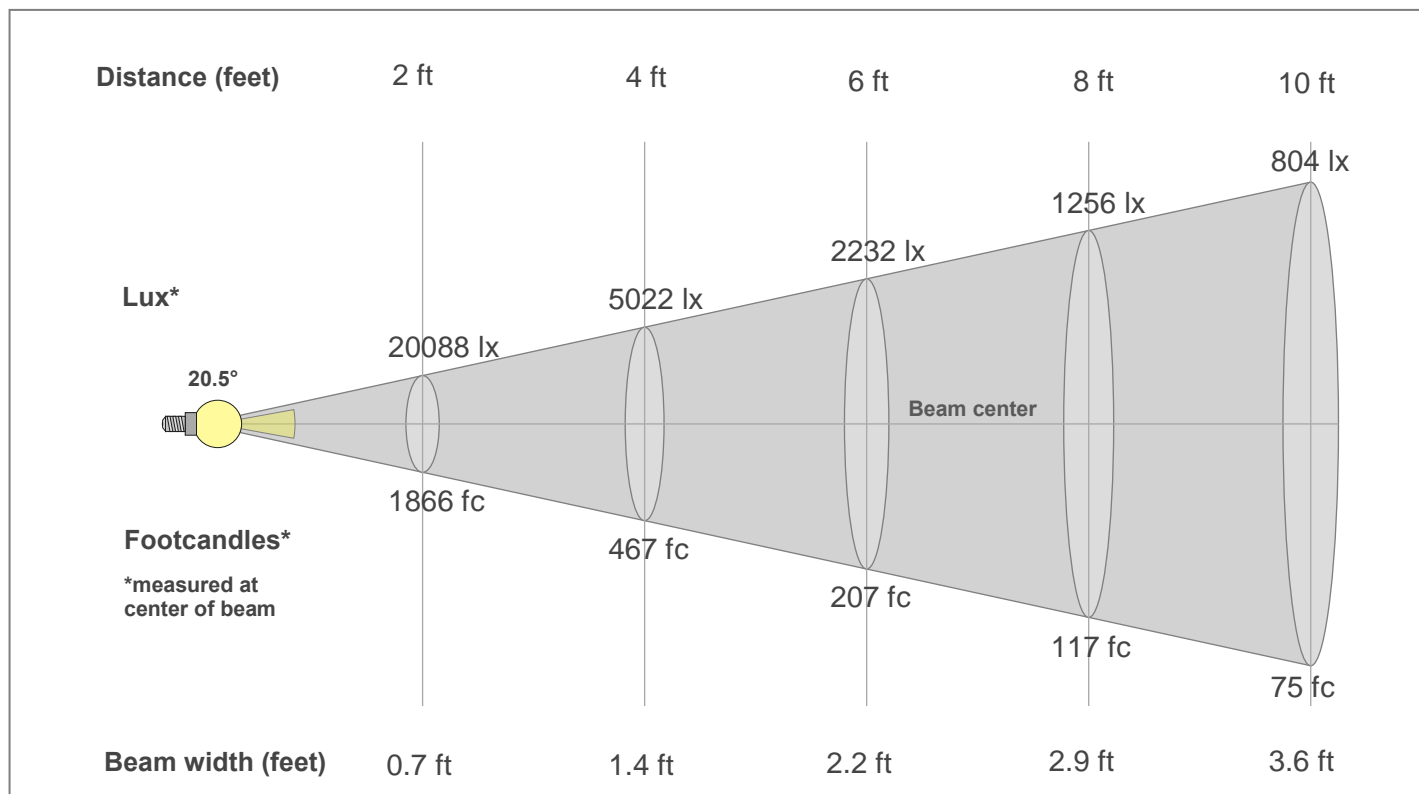
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	95	-2%	1%
3	92	-1%	4%
4	93	-1%	2%
5	92	-2%	2%
6	96	1%	1%
7	96	-1%	0%
8	95	-2%	1%
9	92	-2%	5%
10	87	-2%	8%
11	84	3%	11%
12	88	5%	5%
13	95	3%	-1%
14	90	10%	-3%
15	91	2%	-5%
16	89	1%	-7%



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
7465lx	1866lx	829lx	467lx	299lx	207lx	152lx	117lx	92lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
693.5fc	173.4fc	77.1fc	43.3fc	27.7fc	19.3fc	14.2fc	10.8fc	8.6fc	6.9fc	5.7fc	4.8fc	4.1fc	3.5fc	3.1fc	2.7fc	2.4fc	2.1fc	1.9fc	1.7fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7465	7400	7248	7021	6732	6380	5964	5503	5000	4465	3917	3372	2847	2355	1903	1503	1168	893	673	505
100%	99%	97%	94%	90%	85%	80%	74%	67%	60%	52%	45%	38%	32%	25%	20%	16%	12%	9%	7%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7465	7432	7275	7045	6754	6405	5986	5503	4968	4397	3819	3255	2711	2198	1735	1343	1020	759	561	412
100%	100%	97%	94%	90%	86%	80%	74%	67%	59%	51%	44%	36%	29%	23%	18%	14%	10%	8%	6%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7465	7400	7248	7021	6732	6380	5964	5503	5000	4465	3917	3372	2847	2355	1903	1503	1168	893	673	505
100%	99%	97%	94%	90%	85%	80%	74%	67%	60%	52%	45%	38%	32%	25%	20%	16%	12%	9%	7%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7465	7432	7275	7045	6754	6405	5986	5503	4968	4397	3819	3255	2711	2198	1735	1343	1020	759	561	412
100%	100%	97%	94%	90%	86%	80%	74%	67%	59%	51%	44%	36%	29%	23%	18%	14%	10%	8%	6%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
20.5°	34.7°	44.4°	99.5%	99.3%