

Photometric / Colorimetric / Electric Report

Fixture Model:

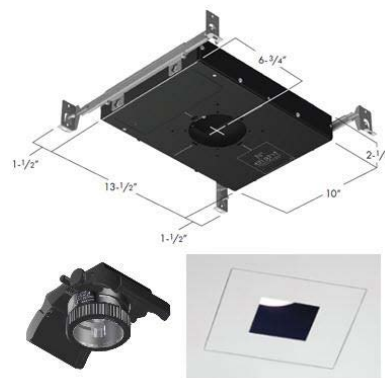
805-J5-TW-25-2200K-DAL2-8.5-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

2/3/2025



Light efficiency:

36 Lumen/Watt

Light quality:

CRI: 92.7

Color temperature:

2166 K

CIE 1931:

**x: 0.509
y: 0.414**

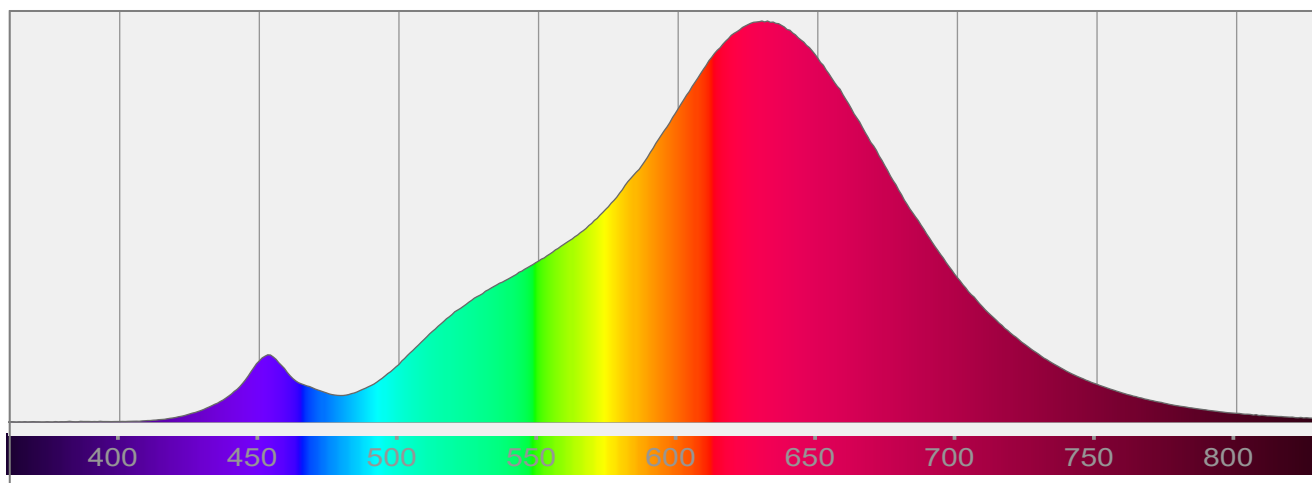
Output: 569 lm

Peak: 2001 cd

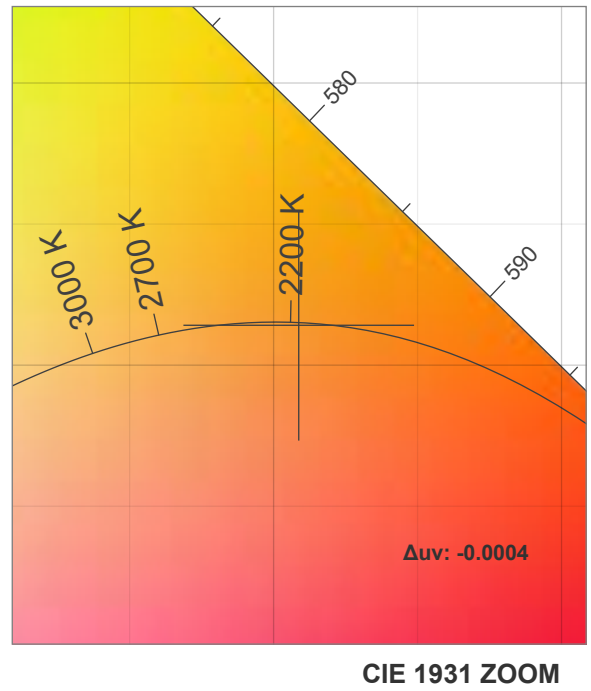
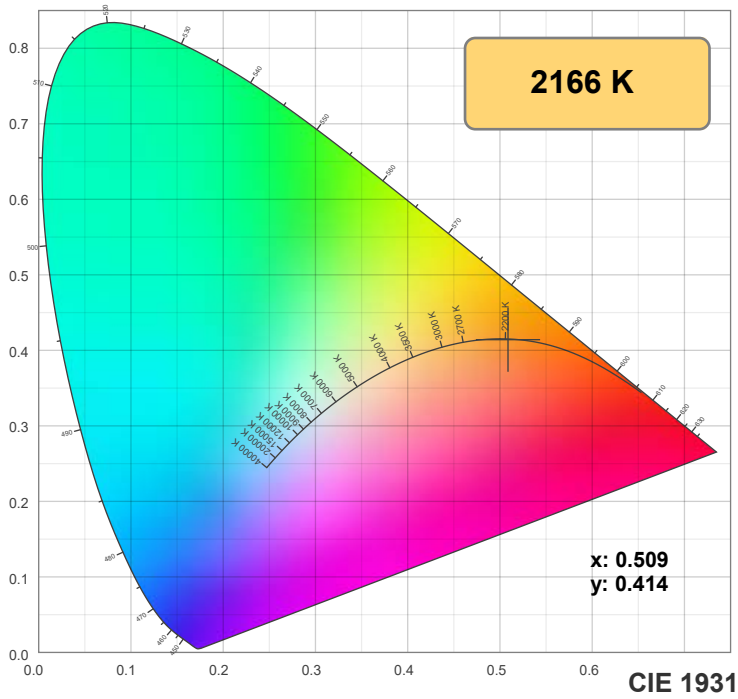
Power: 15.6 W

PF: 0.99

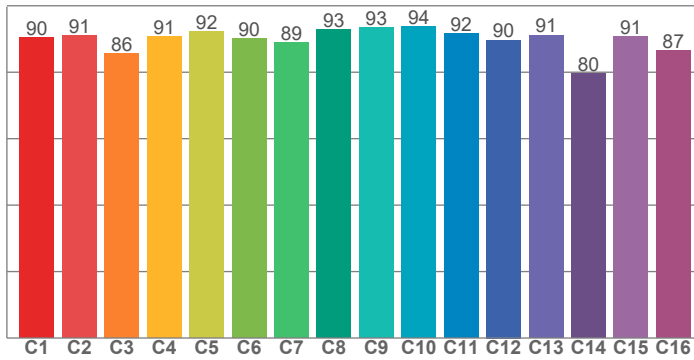
Spectra:



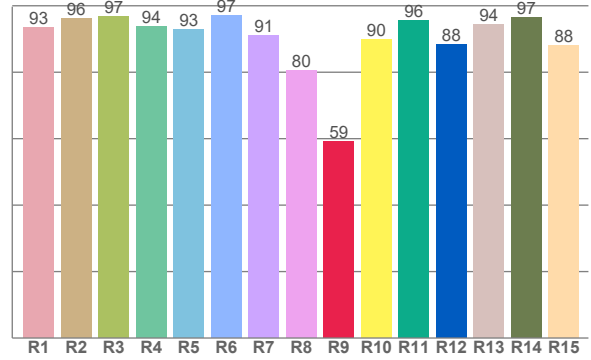
Color Details



TM-30: 90.4



CRI: 92.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.4	96.3	96.8	93.8	92.9	97.0	91.0	80.5	59.2	89.8	95.7	88.3	94.3	96.6	88.2

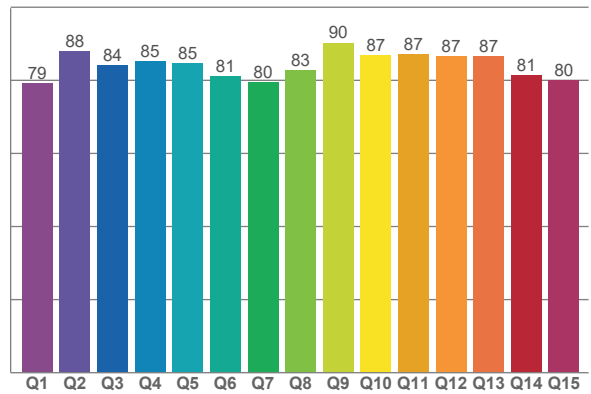
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.4	90.9	85.7	90.8	92.2	90.0	88.8	92.9	93.4	93.7	91.7	89.7	91.2	79.5	90.7	86.6

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.3	87.9	84.2	85.1	84.8	81.1	79.5	82.9	90.3	86.9	87.1	86.7	86.5	81.3	80.1

CQS: 83.5



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2166 K	92.7	59.2	90.4	102.5	83.5	0.509	0.414	0.293	0.357	-0.0004

TM-30 Details

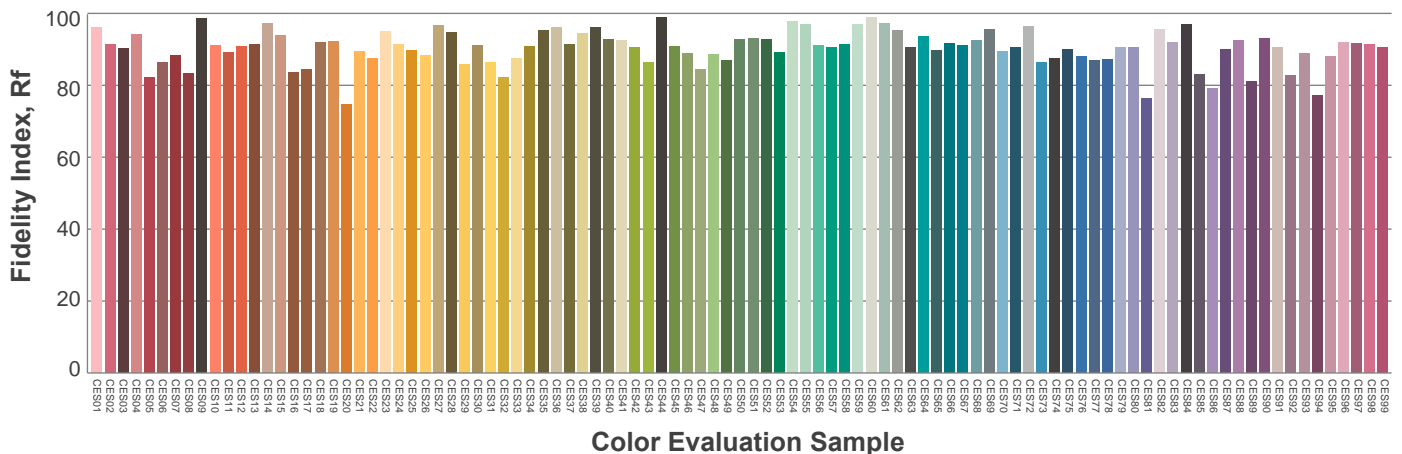
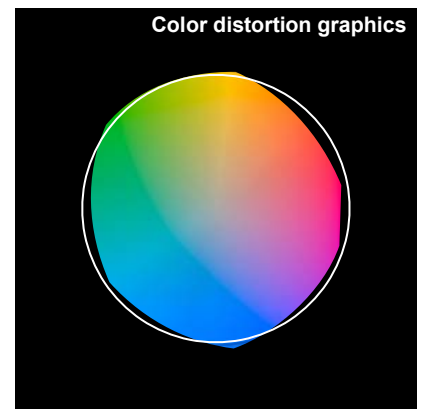
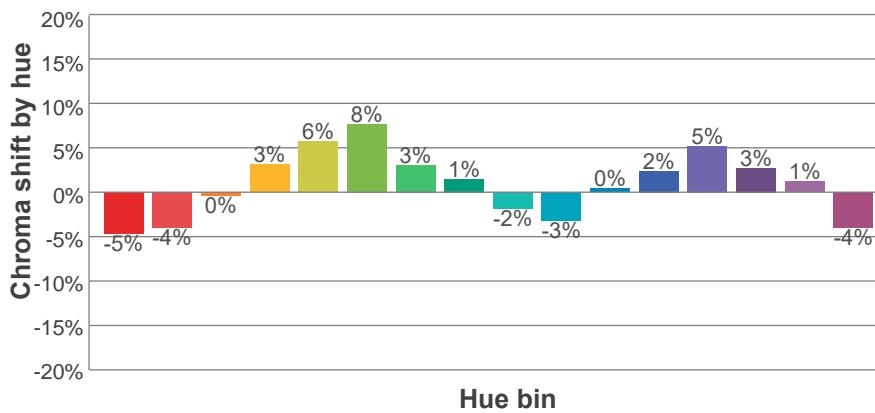
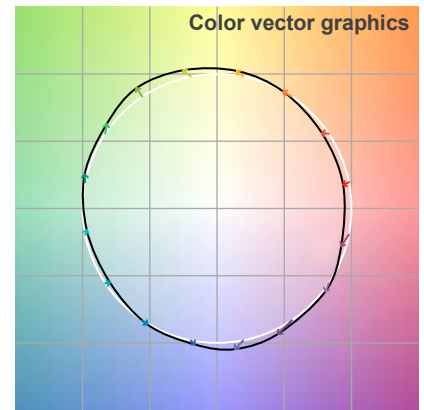
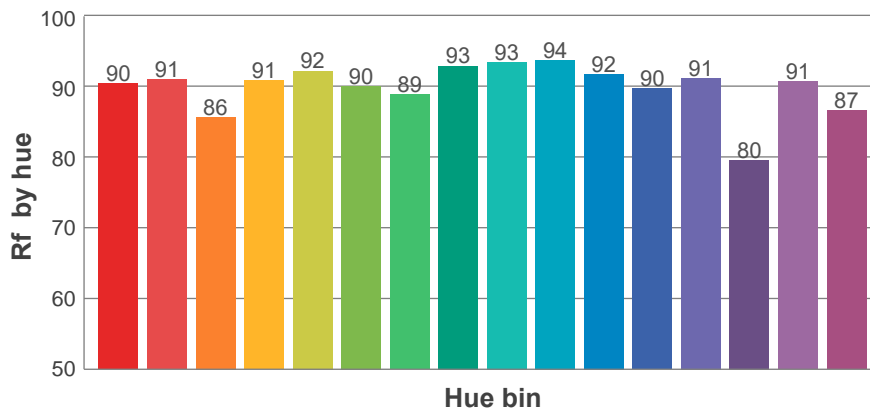
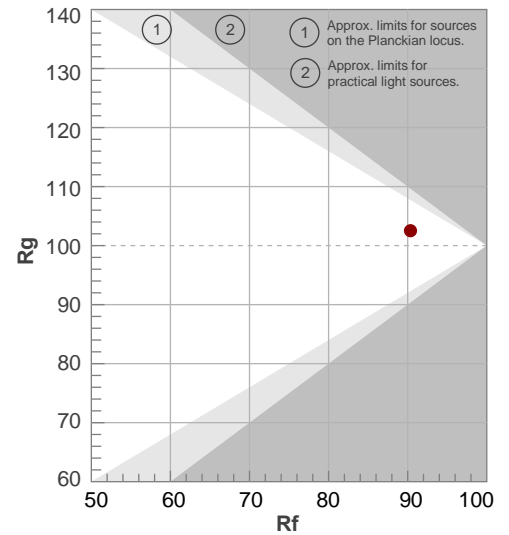
Rf 90.4

Fidelity index Rf

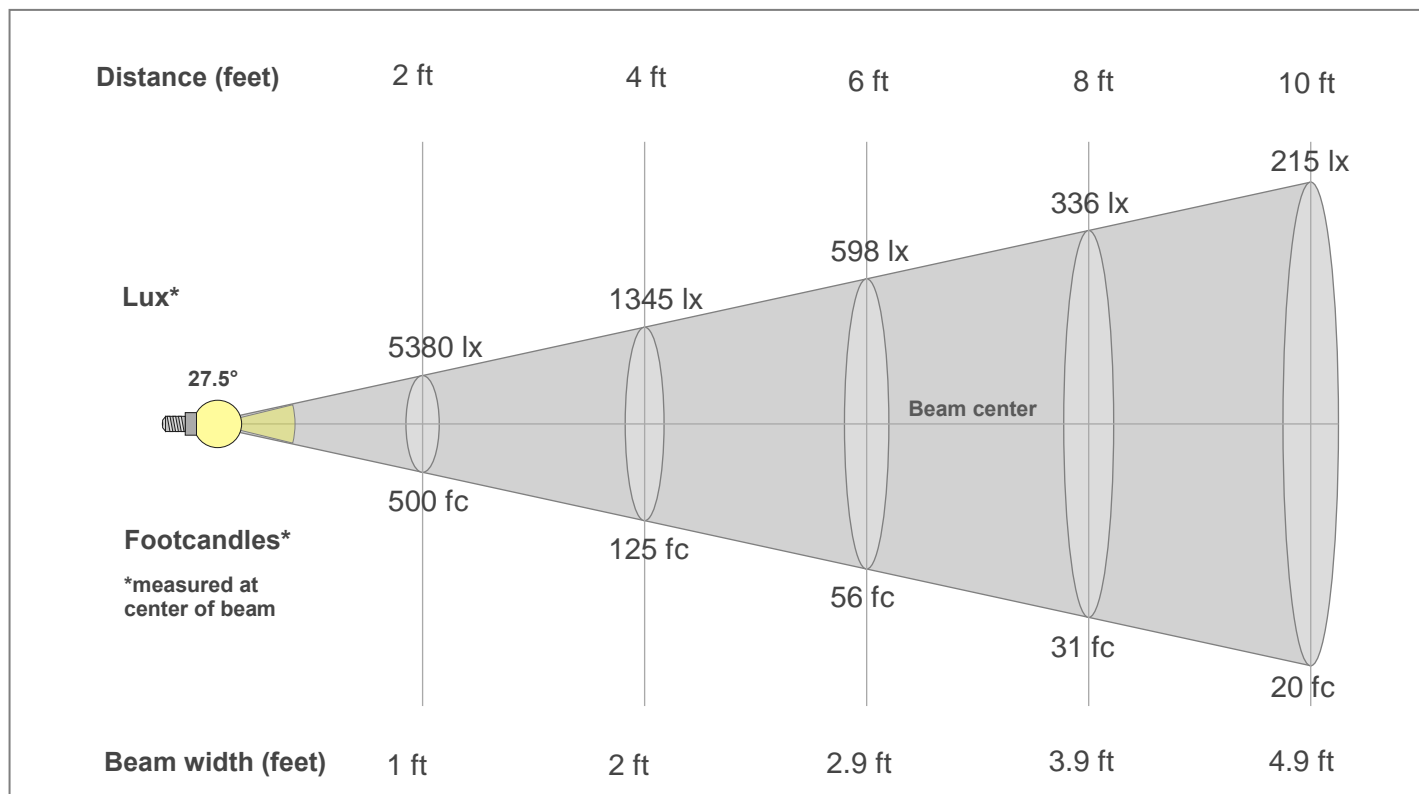
Rg 102.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	3%
3	86	0%	7%
4	91	3%	5%
5	92	6%	5%
6	90	8%	0%
7	89	3%	-6%
8	93	1%	-6%
9	93	-2%	-3%
10	94	-3%	2%
11	92	0%	5%
12	90	2%	3%
13	91	5%	-7%
14	80	3%	-14%
15	91	1%	-6%
16	87	-4%	-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
1999lx	500lx	222lx	125lx	80lx	56lx	41lx	31lx	25lx	20lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx	5lx
185.7fc	46.4fc	20.6fc	11.6fc	7.4fc	5.2fc	3.8fc	2.9fc	2.3fc	1.9fc	1.5fc	1.3fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	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°
1999	1973	1885	1747	1575	1381	1176	974	787	622	481	368	283	218	168	127	94	67	46	30
100%	99%	94%	87%	79%	69%	59%	49%	39%	31%	24%	18%	14%	11%	8%	6%	5%	3%	2%	2%

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°
1999	1972	1883	1746	1576	1385	1182	980	793	625	486	373	288	222	171	131	96	68	47	31
100%	99%	94%	87%	79%	69%	59%	49%	40%	31%	24%	19%	14%	11%	9%	7%	5%	3%	2%	2%

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°
1999	1973	1885	1747	1575	1381	1176	974	787	622	481	368	283	218	168	127	94	67	46	30
100%	99%	94%	87%	79%	69%	59%	49%	39%	31%	24%	18%	14%	11%	8%	6%	5%	3%	2%	2%

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°
1999	1972	1883	1746	1576	1385	1182	980	793	625	486	373	288	222	171	131	96	68	47	31
100%	99%	94%	87%	79%	69%	59%	49%	40%	31%	24%	19%	14%	11%	9%	7%	5%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
27.5°	53.5°	71.3°	99.5%	98.8%