

Photometric / Colorimetric / Electric Report

Fixture Model:

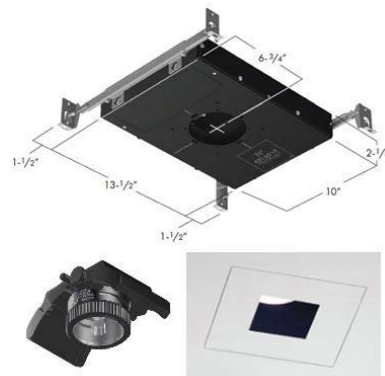
805-J5-TW-40-2200K-DAL2-8.5-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

2/3/2025



Light efficiency:

42 Lumen/Watt

Light quality:

CRI: 92.7

Color temperature:

2168 K

CIE 1931:

**x: 0.508
y: 0.413**

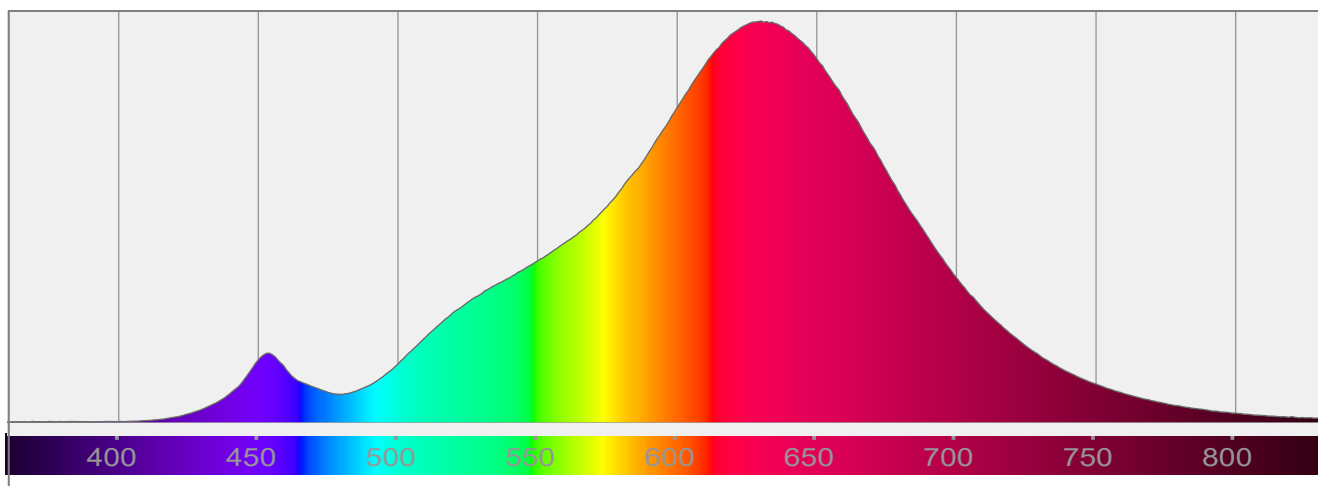
Output: 651 lm

Peak: 1497 cd

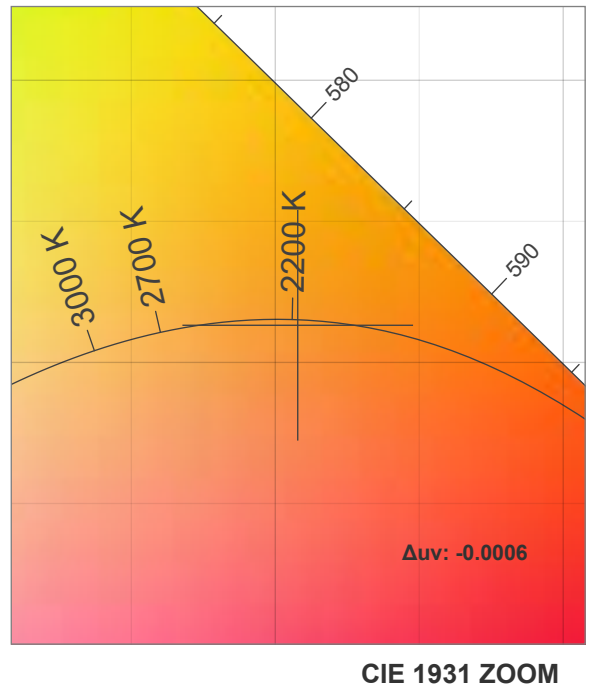
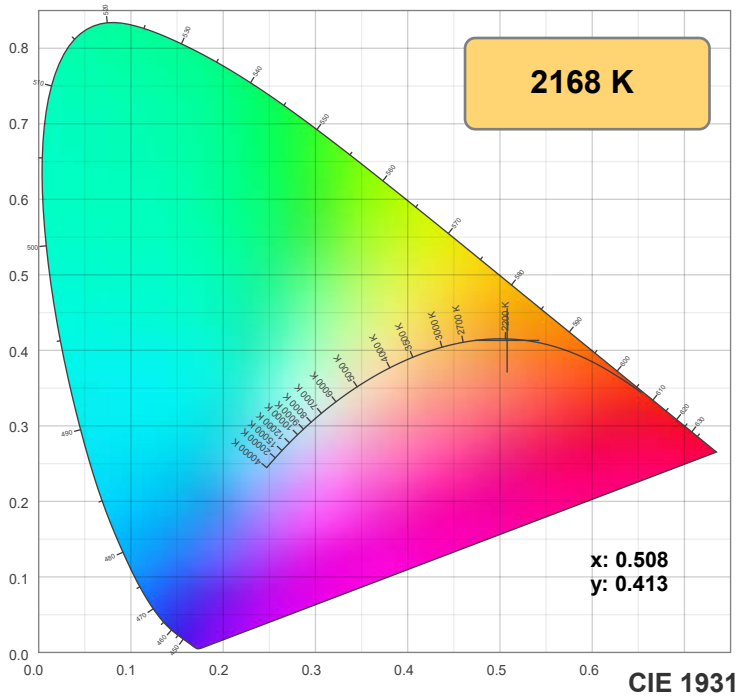
Power: 15.6 W

PF: 0.99

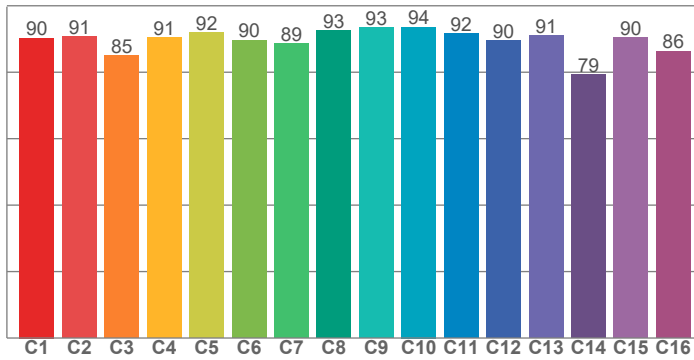
Spectra:



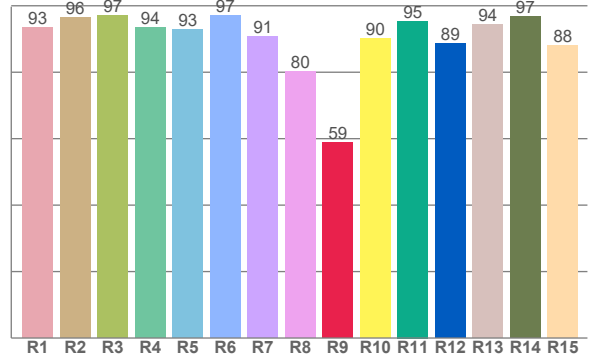
Color Details



TM-30: 90.1



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	96.5	97.1	93.6	92.9	97.1	90.7	80.2	58.9	90.1	95.4	88.7	94.4	96.8	88.1

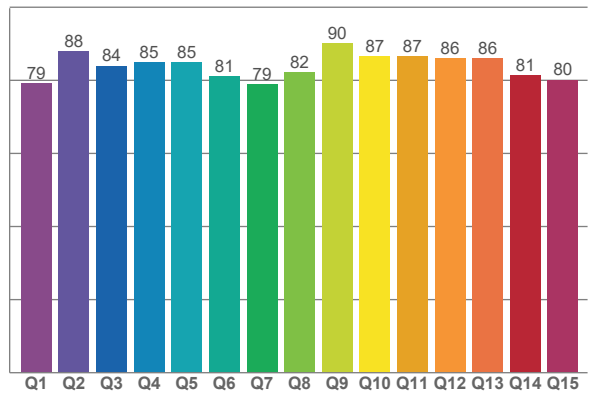
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.3	90.7	85.0	90.5	91.9	89.7	88.5	92.6	93.5	93.6	91.5	89.6	91.0	79.2	90.5	86.4

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.1	87.9	84.0	84.9	85.0	81.2	79.0	82.2	90.1	86.7	86.6	86.0	85.9	81.5	80.1

CQS: 83.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2168 K	92.7	58.9	90.1	102.8	83.4	0.508	0.413	0.293	0.357	-0.0006

TM-30 Details

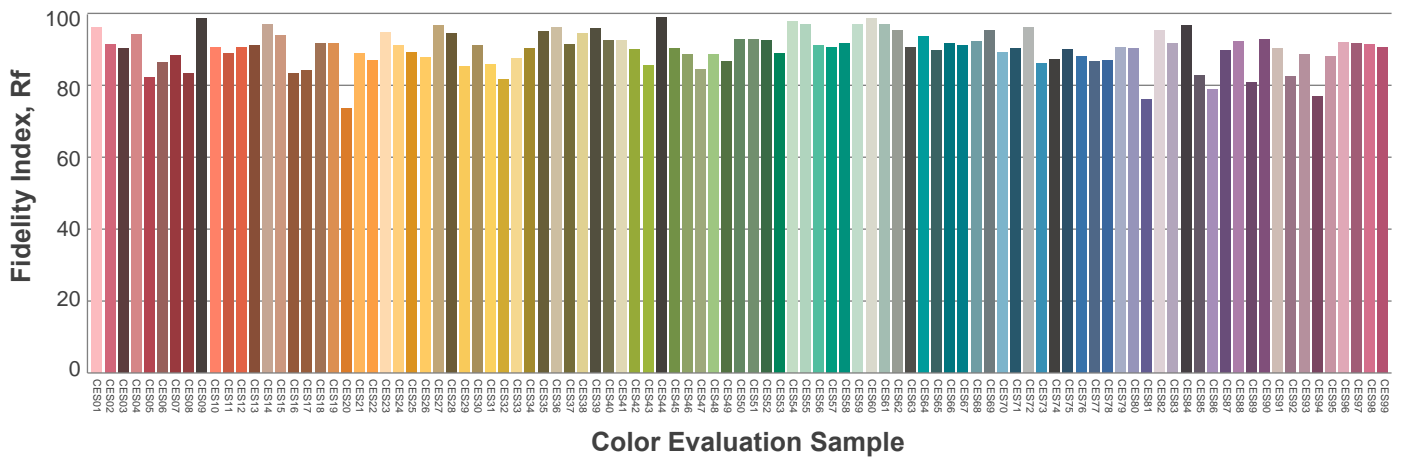
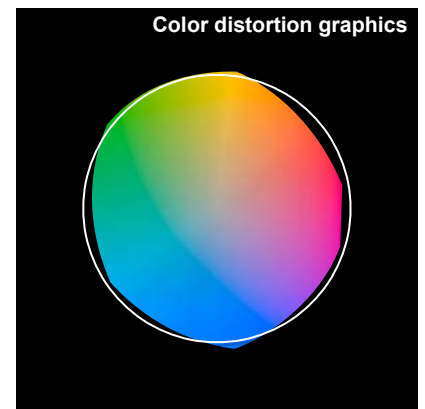
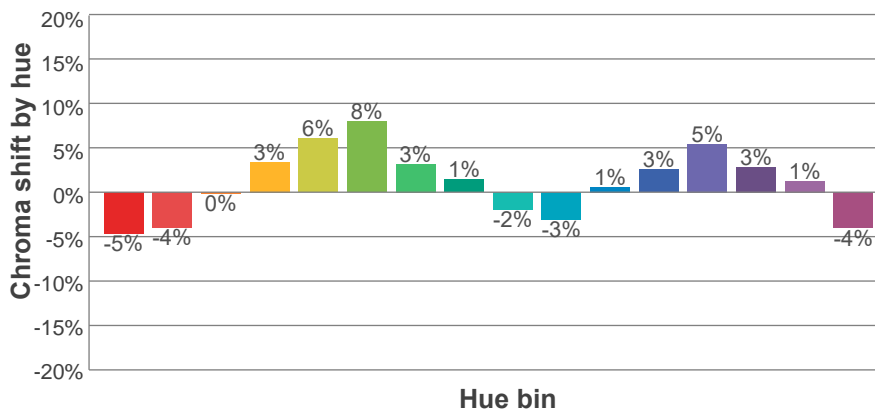
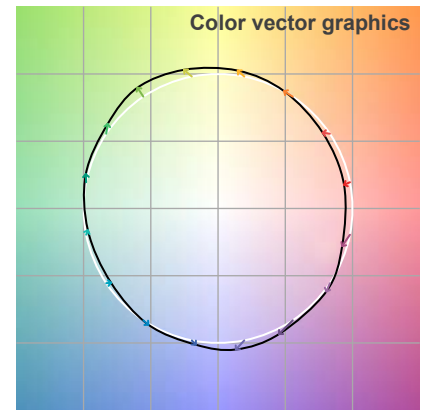
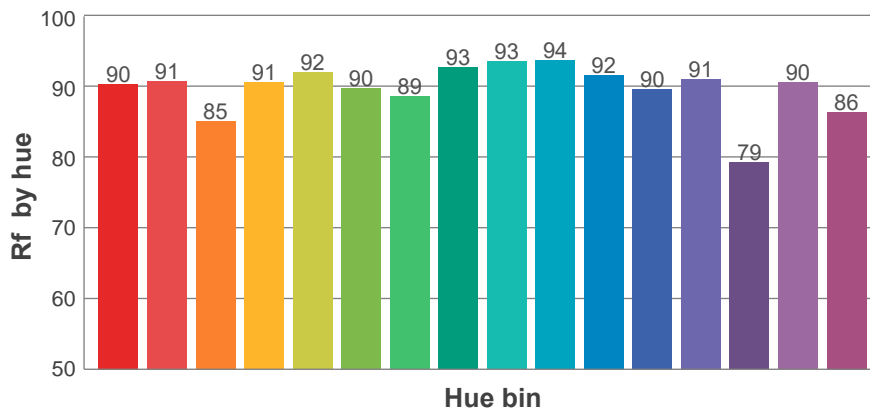
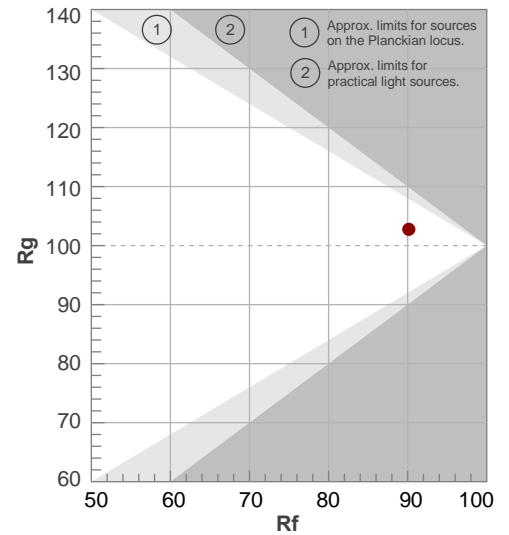
Rf 90.1

Fidelity index Rf

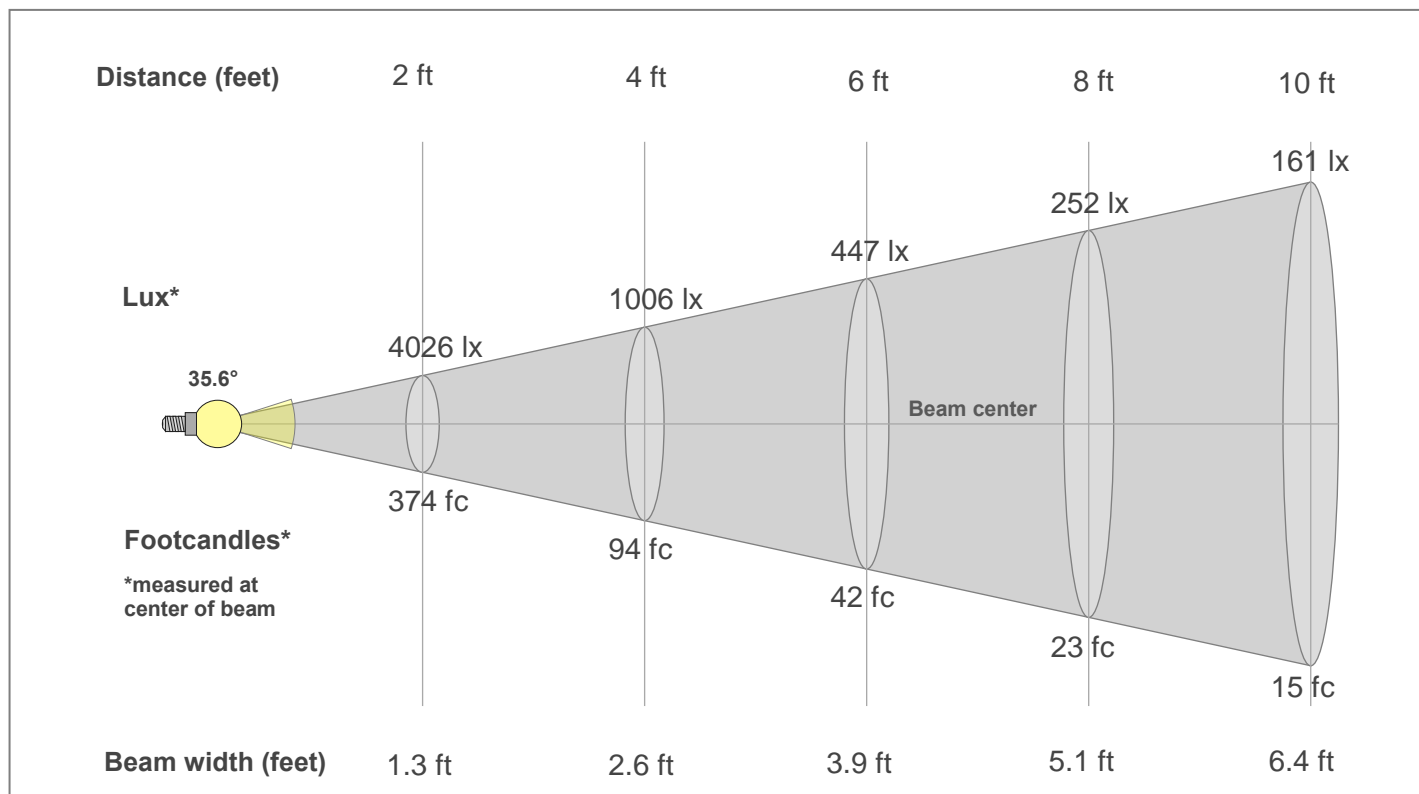
Rg 102.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	91	-4%	4%
3	85	0%	8%
4	91	3%	6%
5	92	6%	5%
6	90	8%	0%
7	89	3%	-7%
8	93	1%	-6%
9	93	-2%	-3%
10	94	-3%	2%
11	92	1%	5%
12	90	3%	3%
13	91	5%	-7%
14	79	3%	-14%
15	90	1%	-7%
16	86	-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
1496lx	374lx	166lx	94lx	60lx	42lx	31lx	23lx	18lx	15lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
139fc	34.7fc	15.4fc	8.7fc	5.6fc	3.9fc	2.8fc	2.2fc	1.7fc	1.4fc	1.1fc	1fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc	0.4fc	0.3fc

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°
1496	1485	1445	1384	1303	1205	1096	981	859	737	620	512	416	334	266	208	160	121	91	68
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°
1496	1483	1446	1384	1304	1209	1100	982	859	737	620	514	420	339	269	211	161	122	91	69
100%	99%	97%	92%	87%	81%	74%	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°
1496	1485	1445	1384	1303	1205	1096	981	859	737	620	512	416	334	266	208	160	121	91	68
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°
1496	1483	1446	1384	1304	1209	1100	982	859	737	620	514	420	339	269	211	161	122	91	69
100%	99%	97%	92%	87%	81%	74%	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°	84.6°	99.6%	97.8%