

## Photometric / Colorimetric / Electric Report

Fixture Model:

**805-J5-TW-40-4500K-DAL2-8.5-700-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**2/3/2025**



Light efficiency:

**59 Lumen/Watt**

Light quality:

**CRI: 93.7**

Color temperature:

**4503 K**

CIE 1931:

**x: 0.361  
y: 0.366**

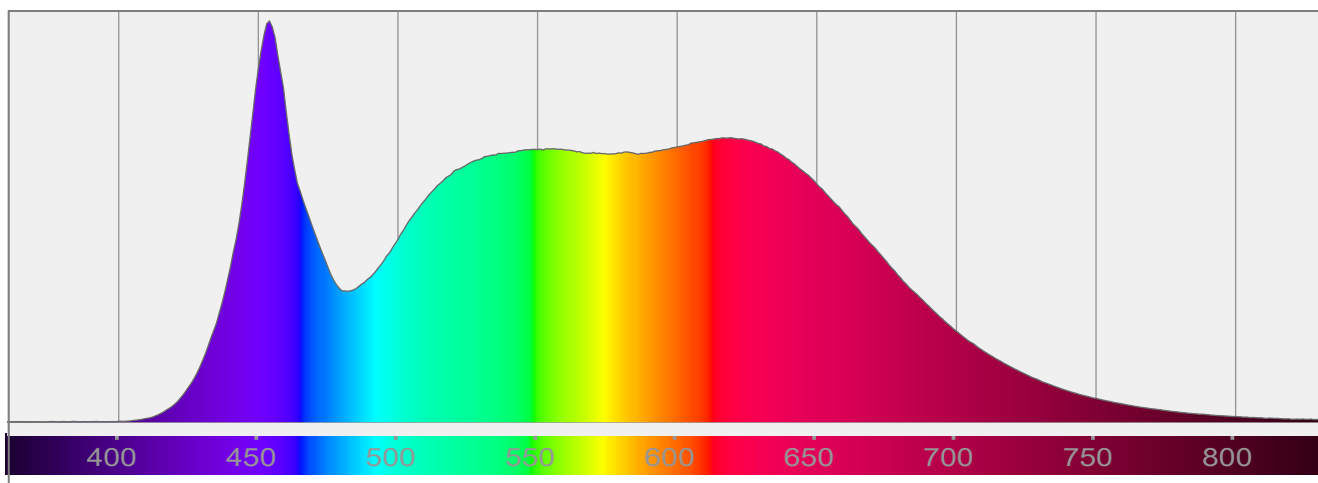
**Output: 917 lm**

**Peak: 2102 cd**

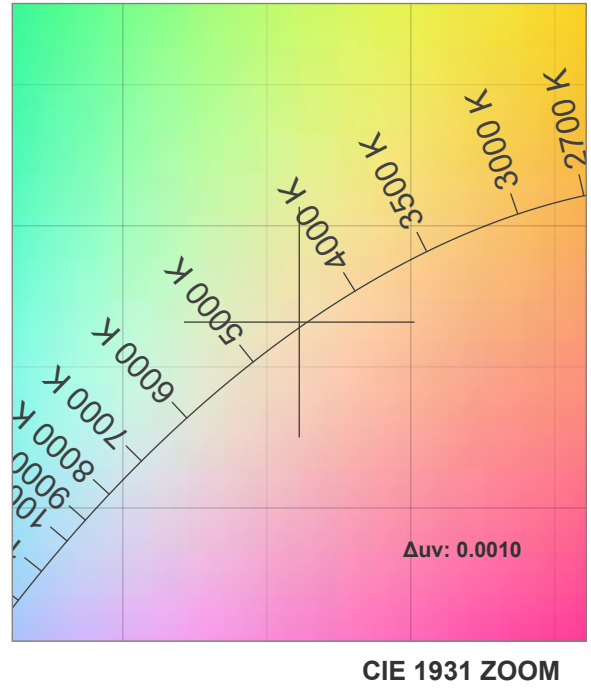
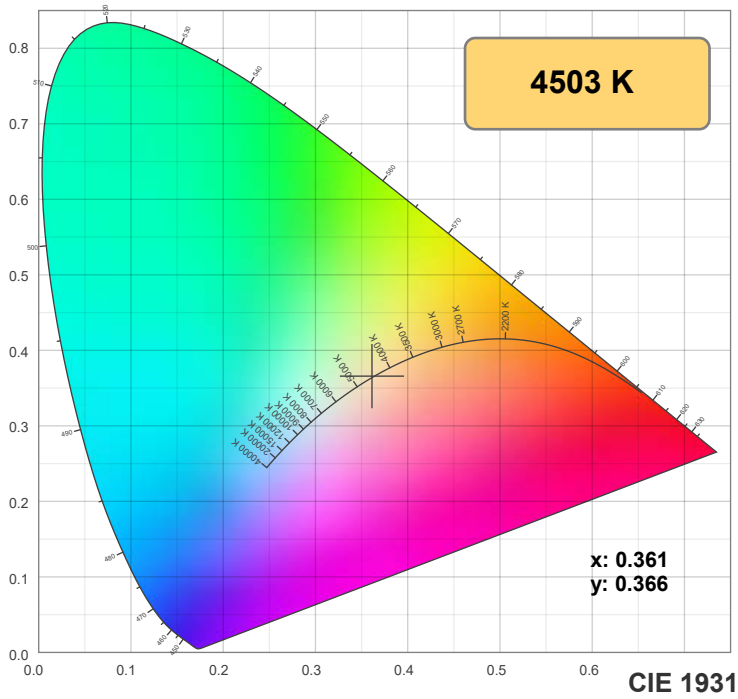
**Power: 15.5 W**

**PF: 0.99**

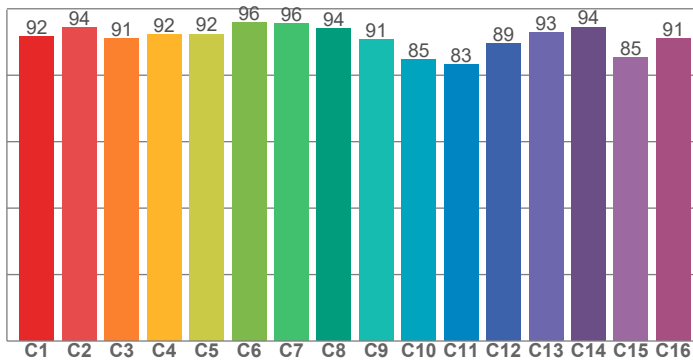
Spectra:



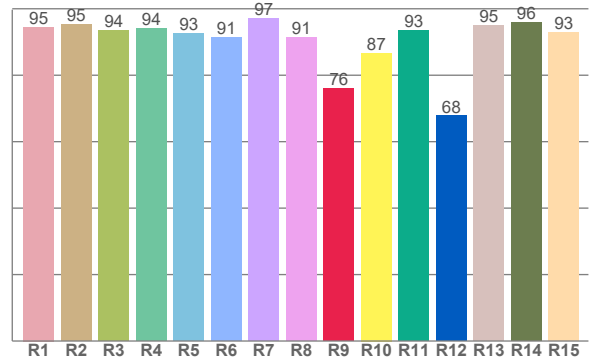
## Color Details



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	91.4	97.0	91.4	75.9	86.7	93.4	67.7	94.9	96.0	93.0

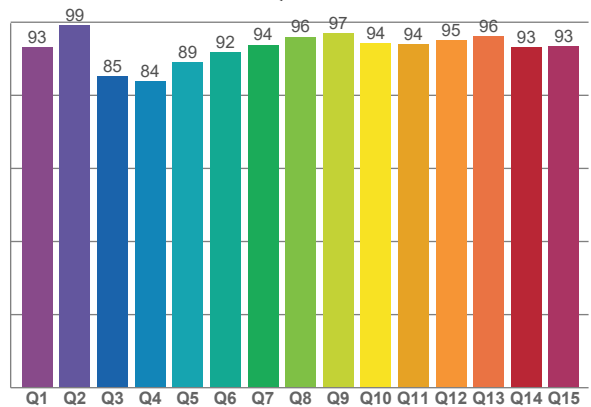
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.5	94.4	91.0	92.2	92.4	95.8	95.5	94.0	90.6	84.6	83.1	89.5	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
93.0	99.1	85.3	84.0	89.1	91.8	93.8	96.0	96.9	94.1	93.9	95.2	96.1	93.0	93.5

CQS: 92.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4503 K	93.7	75.9	90.9	99.6	92.0	0.361	0.366	0.217	0.329	0.0010

# TM-30 Details

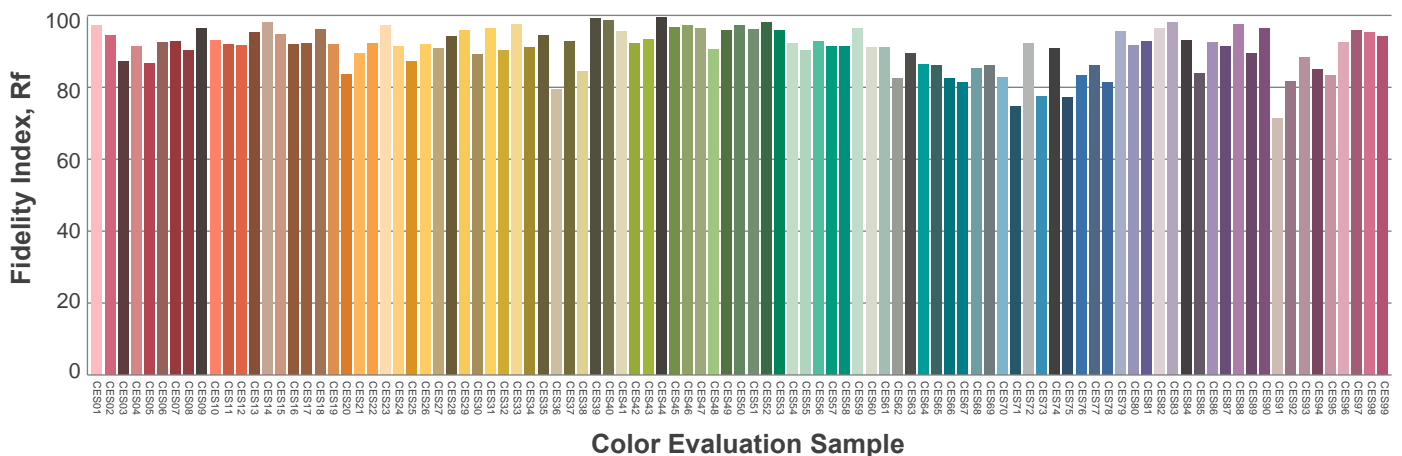
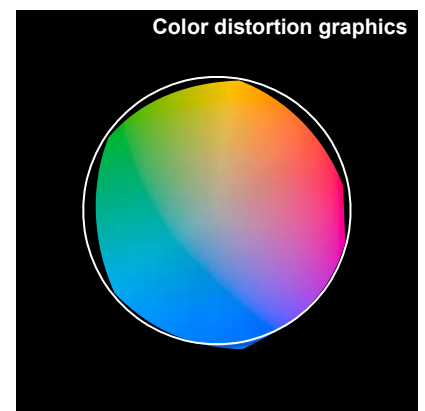
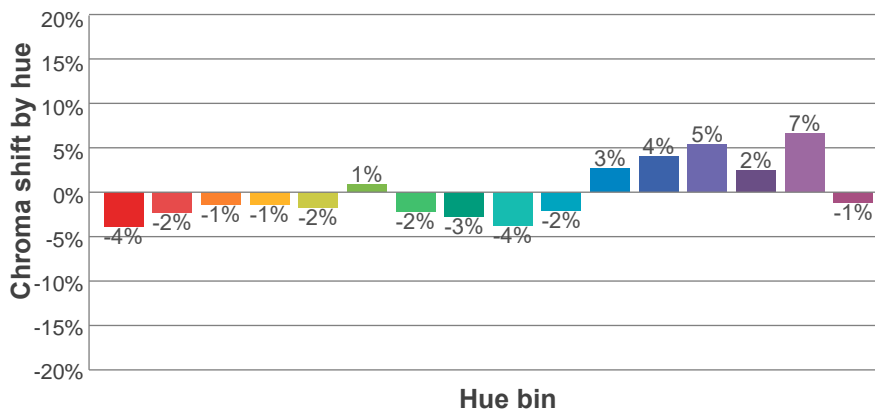
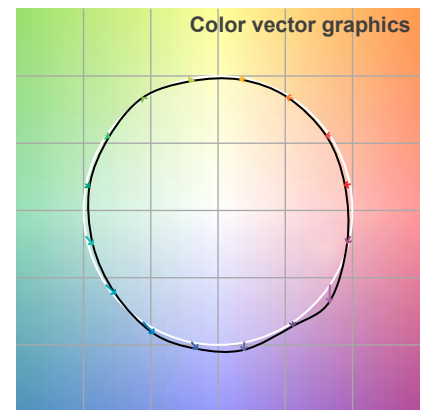
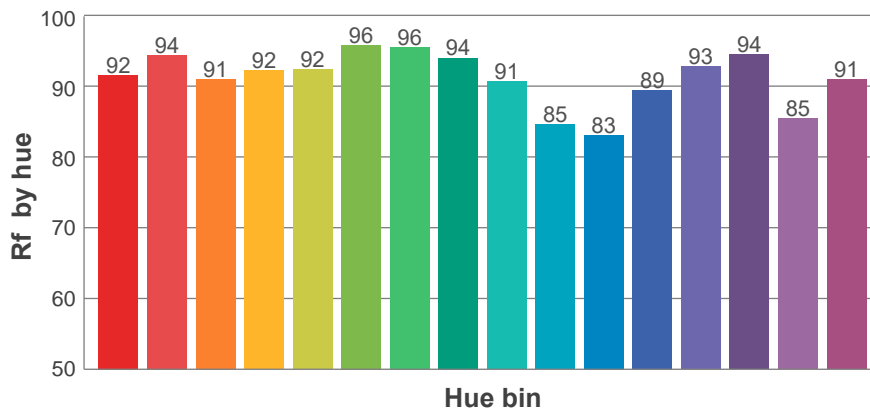
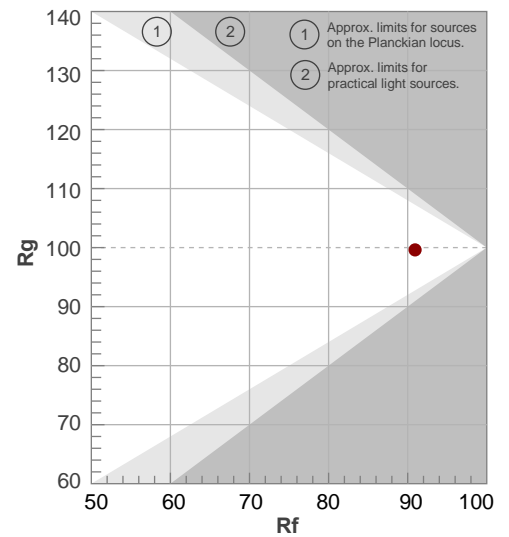
**Rf 90.9**

Fidelity index Rf

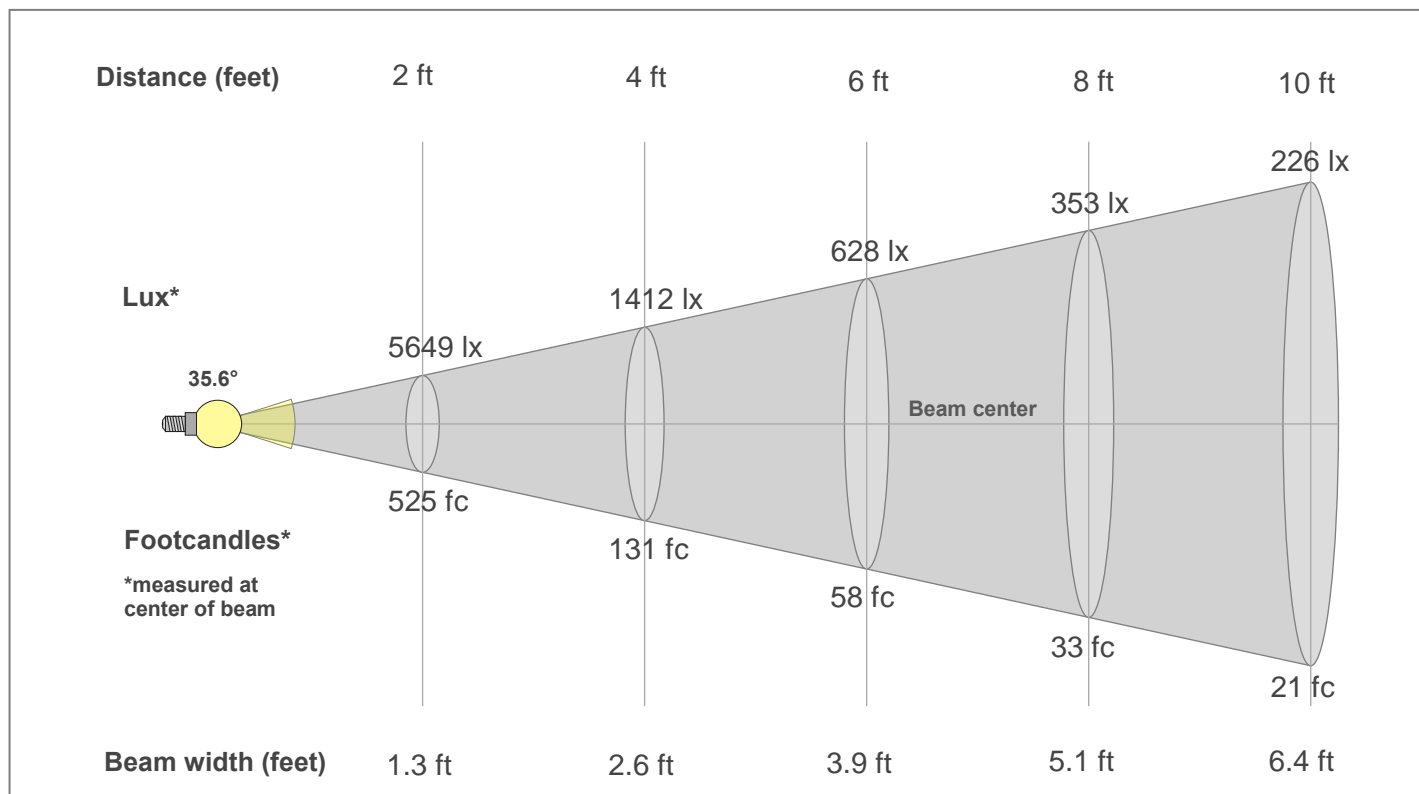
**Rg 99.6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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	91	-4%	6%
10	85	-2%	9%
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
2099lx	525lx	233lx	131lx	84lx	58lx	43lx	33lx	26lx	21lx	17lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
195fc	48.8fc	21.7fc	12.2fc	7.8fc	5.4fc	4fc	3fc	2.4fc	2fc	1.6fc	1.4fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	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°
2099	2083	2027	1940	1825	1688	1536	1374	1203	1032	870	720	587	474	379	297	229	174	130	98
100%	99%	97%	92%	87%	80%	73%	65%	57%	49%	41%	34%	28%	23%	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°
2099	2084	2031	1942	1825	1689	1536	1373	1205	1035	872	721	588	476	379	298	230	175	132	100
100%	99%	97%	93%	87%	80%	73%	65%	57%	49%	42%	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°
2099	2083	2027	1940	1825	1688	1536	1374	1203	1032	870	720	587	474	379	297	229	174	130	98
100%	99%	97%	92%	87%	80%	73%	65%	57%	49%	41%	34%	28%	23%	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°
2099	2084	2031	1942	1825	1689	1536	1373	1205	1035	872	721	588	476	379	298	230	175	132	100
100%	99%	97%	93%	87%	80%	73%	65%	57%	49%	42%	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°	65.3°	85.1°	99.6%	97.8%