

## Photometric / Colorimetric / Electric Report

Fixture Model:

**400-WD-4-15-PR1-4-350-FLR-4-WH**

Trim Model:

**FLR-4-WH**

Date:

**8/7/2024**



Light efficiency:

**57 Lumen/Watt**

Light quality:

**CRI: 96.6**

Color temperature:

**3006 K**

CIE 1931:

**x: 0.435  
y: 0.400**

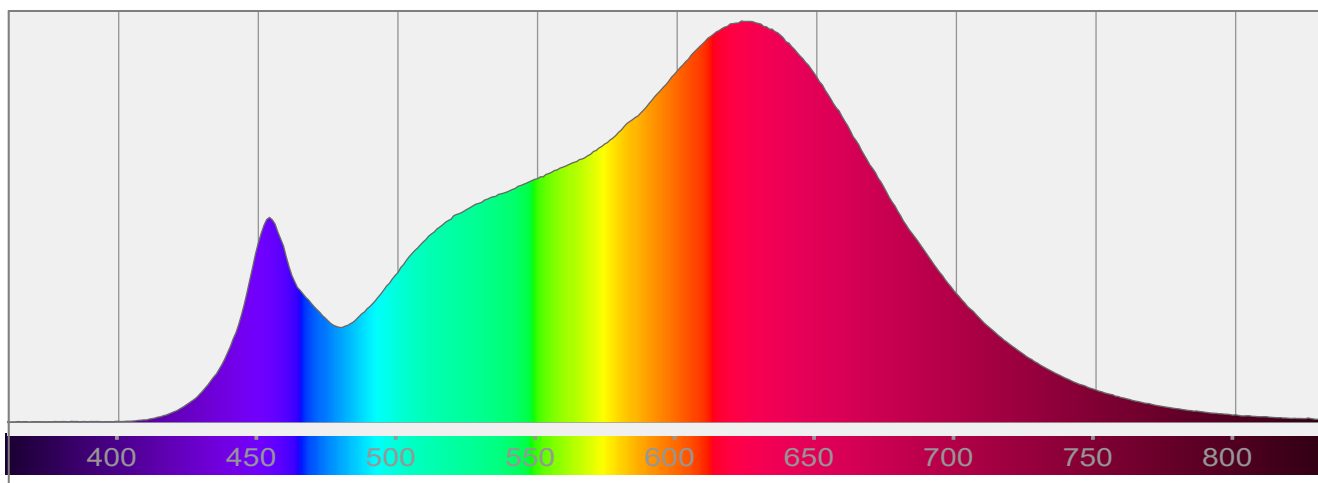
**Output: 839 lm**

**Peak: 4409 cd**

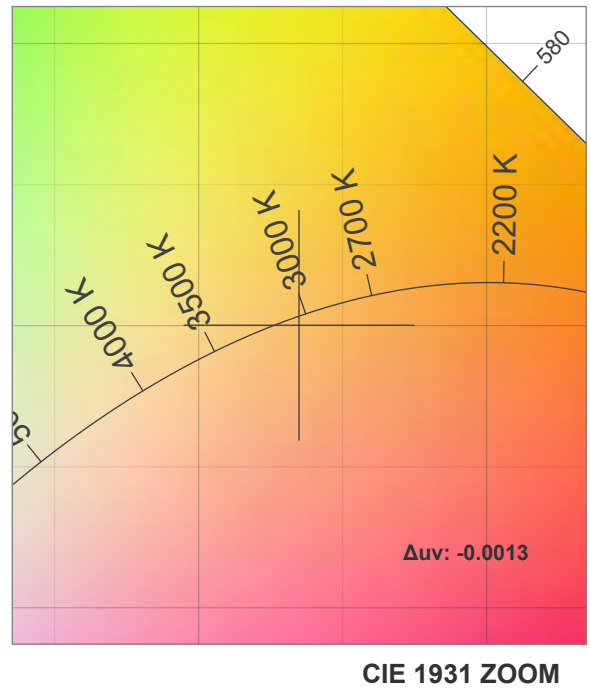
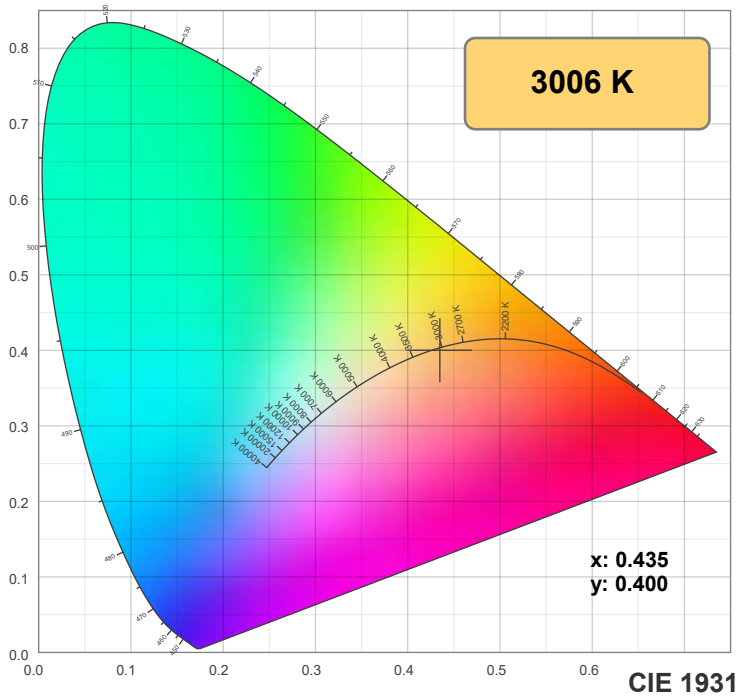
**Power: 14.6 W**

**PF: 0.99**

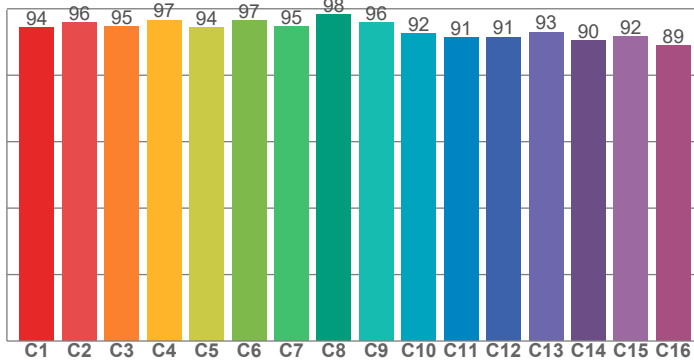
Spectra:



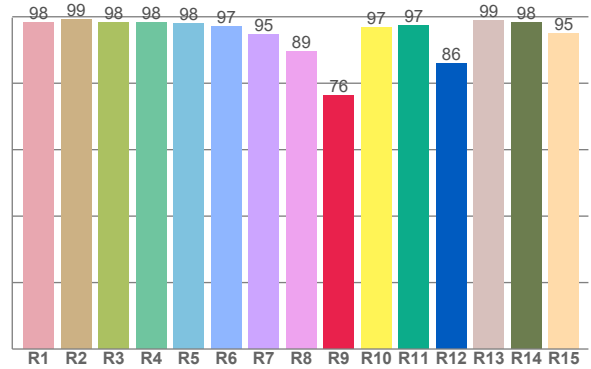
## Color Details



**TM-30: 93.9**



**CRI: 96.6 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.3	99.1	98.4	98.2	98.1	97.0	94.6	89.5	76.3	96.9	97.4	85.9	99.0	98.2	94.9

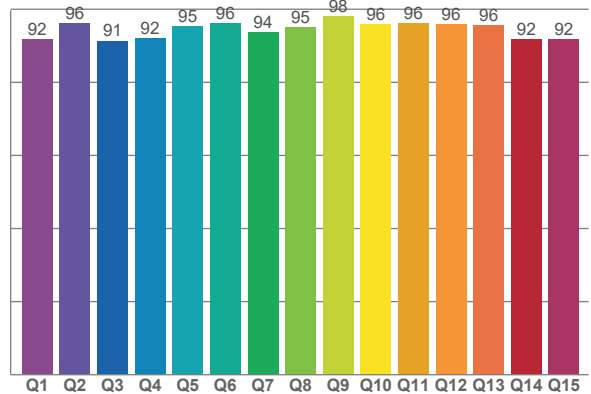
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	95.8	94.6	96.6	94.4	96.5	94.6	98.3	95.8	92.4	91.3	91.5	93.0	90.4	91.7	88.8

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	91.4	92.1	95.4	96.1	93.6	94.9	98.2	95.9	96.1	95.9	95.6	91.8	91.7

**CQS: 93.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3006 K	96.6	76.3	93.9	100.5	93.9	0.435	0.400	0.251	0.346	-0.0013

# TM-30 Details

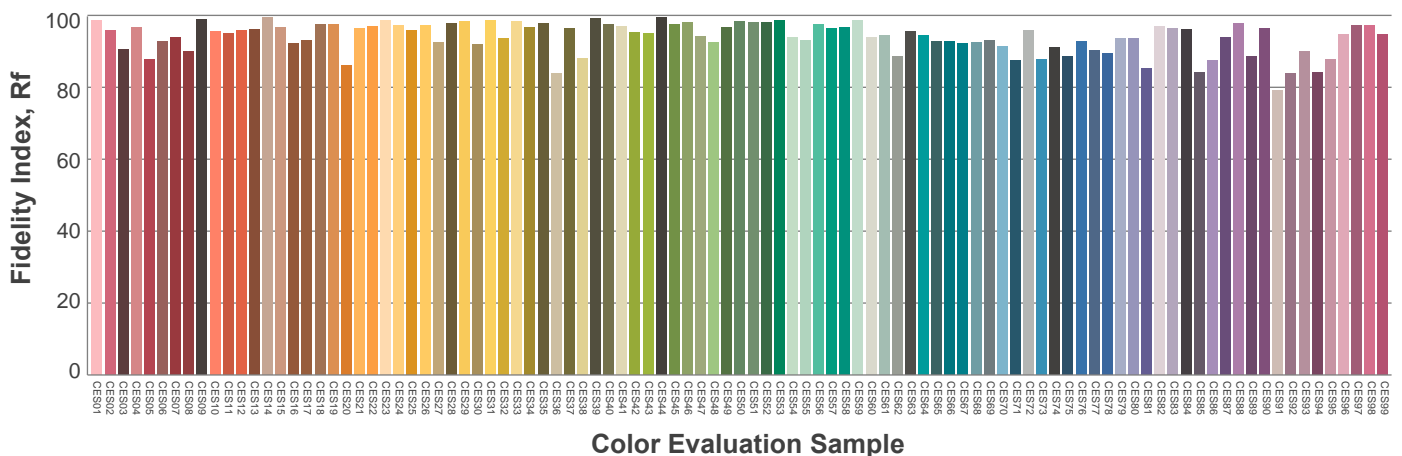
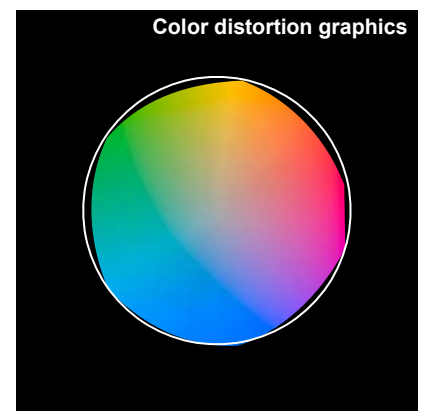
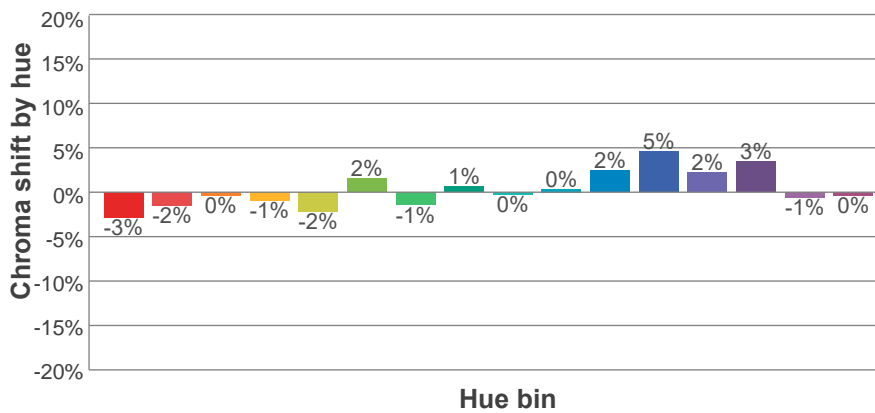
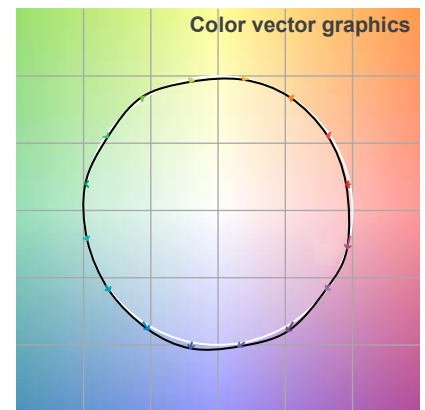
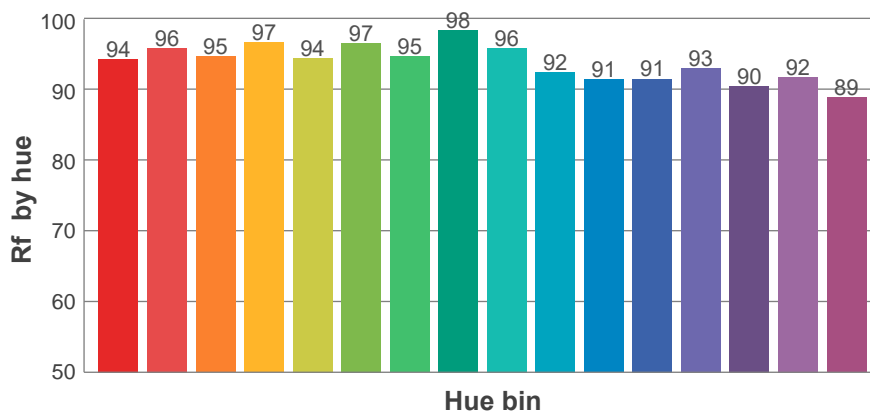
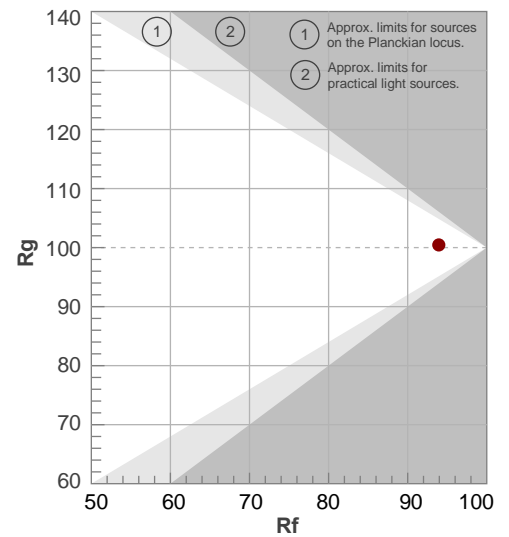
**Rf 93.9**

Fidelity index Rf

**Rg 100.5**

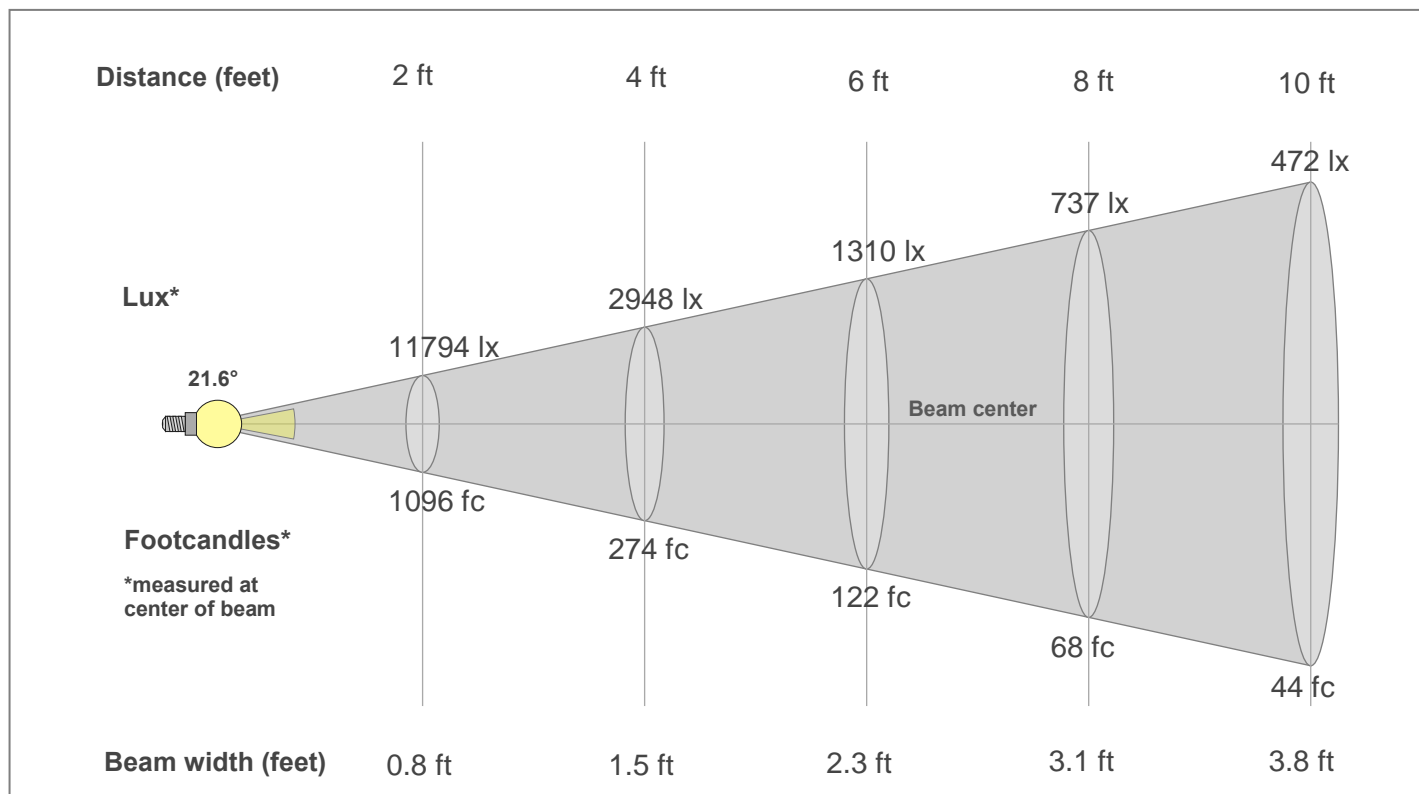
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	97	-1%	0%
5	94	-2%	1%
6	97	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	3%
10	92	0%	5%
11	91	2%	6%
12	91	5%	0%
13	93	2%	-5%
14	90	3%	-7%
15	92	-1%	-4%
16	89	0%	-9%



Color Evaluation Sample

## 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
4383lx	1096lx	487lx	274lx	175lx	122lx	89lx	68lx	54lx	44lx	36lx	30lx	26lx	22lx	19lx	17lx	15lx	14lx	12lx	11lx
407.2fc	101.8fc	45.2fc	25.4fc	16.3fc	11.3fc	8.3fc	6.4fc	5fc	4.1fc	3.4fc	2.8fc	2.4fc	2.1fc	1.8fc	1.6fc	1.4fc	1.3fc	1.1fc	1fc

### 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°
4383	4283	4032	3603	3044	2433	1864	1393	1042	784	590	442	332	242	171	116	69	33	19	12
100%	98%	92%	82%	69%	56%	43%	32%	24%	18%	13%	10%	8%	6%	4%	3%	2%	1%	0%	0%

### 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°
4383	4315	4048	3585	2997	2403	1864	1424	1084	827	632	480	363	268	190	128	75	38	22	14
100%	98%	92%	82%	68%	55%	43%	33%	25%	19%	14%	11%	8%	6%	4%	3%	2%	1%	0%	0%

### 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°
4383	4283	4032	3603	3044	2433	1864	1393	1042	784	590	442	332	242	171	116	69	33	19	12
100%	98%	92%	82%	69%	56%	43%	32%	24%	18%	13%	10%	8%	6%	4%	3%	2%	1%	0%	0%

### 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°
4383	4315	4048	3585	2997	2403	1864	1424	1084	827	632	480	363	268	190	128	75	38	22	14
100%	98%	92%	82%	68%	55%	43%	33%	25%	19%	14%	11%	8%	6%	4%	3%	2%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.6°	44.7°	60.9°	99.5%	99.4%