

## Photometric / Colorimetric / Electric Report

Fixture Model:

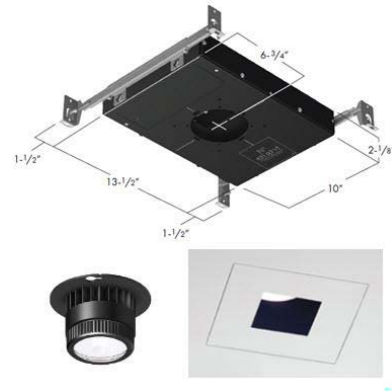
**805-K5-WD-2-15-PR1-8.5-350-FS-P-1-WH**

Trim Model:

**FS-P-1-WH**

Date:

**7/3/2023**



Light efficiency:

**62 Lumen/Watt**

Light quality:

**CRI: 96.9**

Color temperature:

**2841 K**

CIE 1931:

**x: 0.446  
y: 0.402**

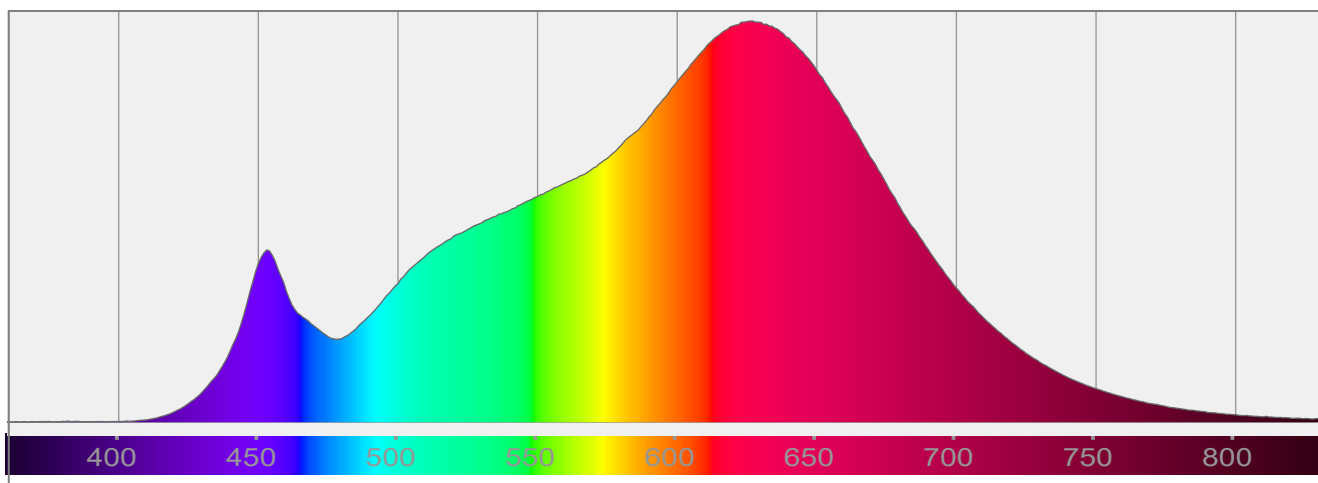
**Output: 908 lm**

**Peak: 4044 cd**

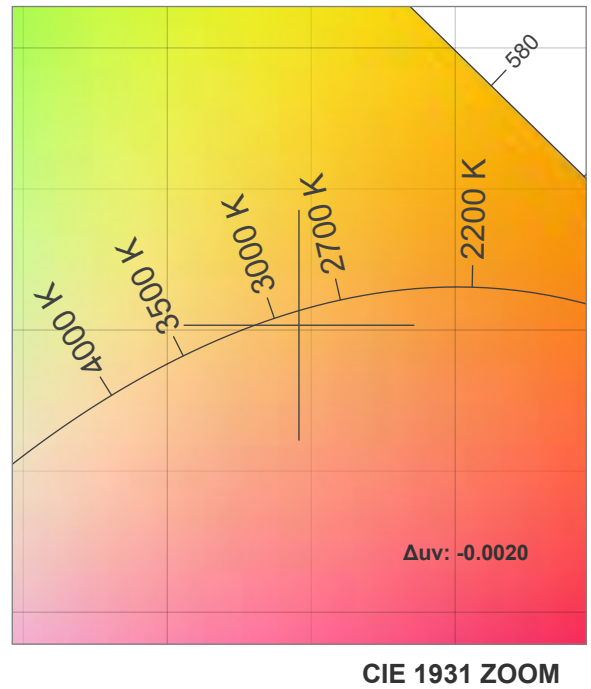
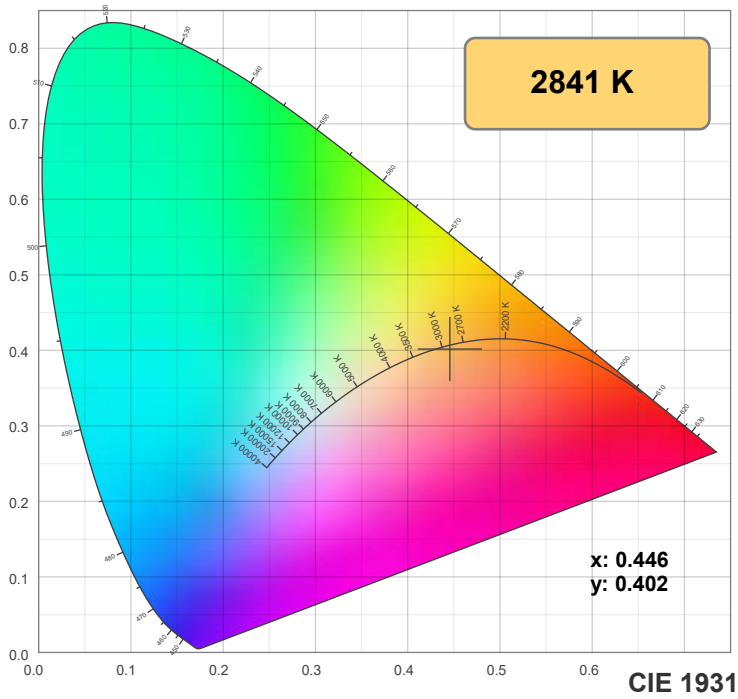
**Power: 14.6 W**

**PF: 0.99**

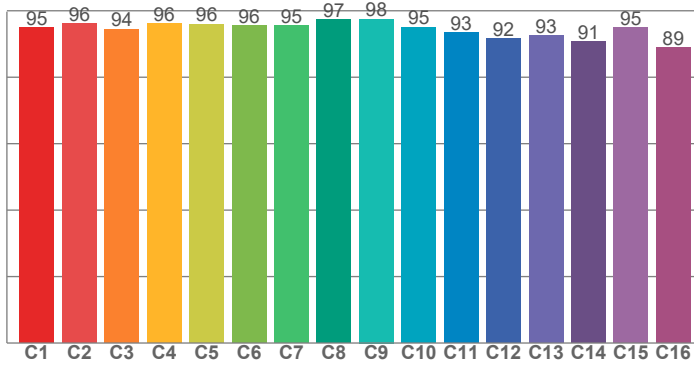
Spectra:



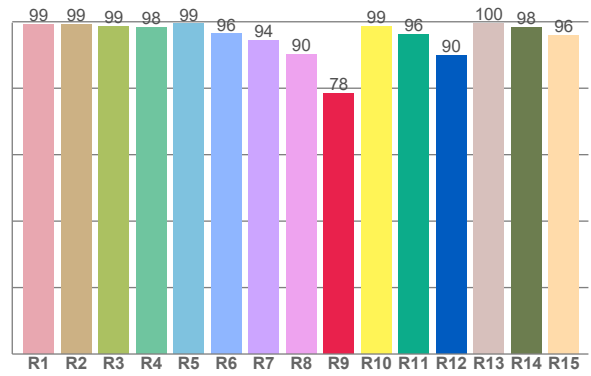
## Color Details



**TM-30: 94.6**



**CRI: 96.9 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.1	99.3	98.7	98.3	99.4	96.3	94.5	90.1	78.4	98.5	96.1	89.8	99.5	98.4	95.8

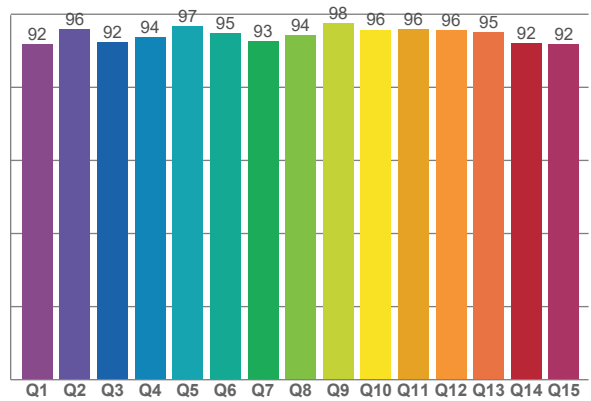
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	96.2	94.5	96.2	96.0	95.6	95.5	97.4	97.5	95.1	93.4	91.6	92.6	90.7	94.9	89.0

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.9	95.9	92.2	93.7	96.8	94.7	92.6	94.4	97.6	95.8	96.0	95.6	95.1	92.1	91.9

**CQS: 94.0**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
2841 K	96.9	78.4	94.6	101.3	94.0	0.446	0.402	0.257	0.348	-0.0020

# TM-30 Details

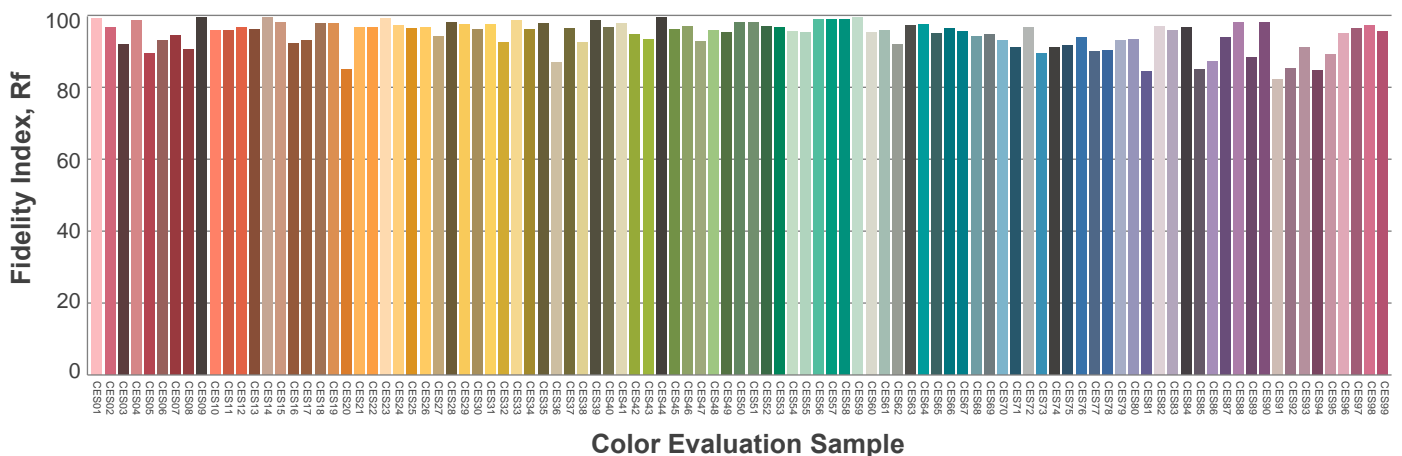
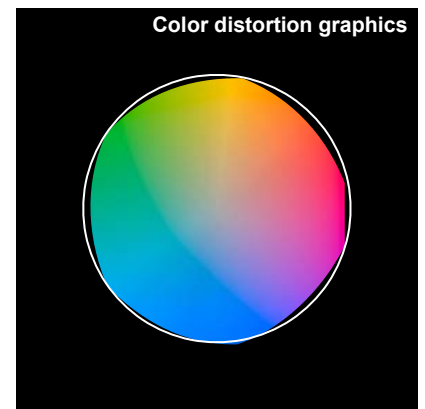
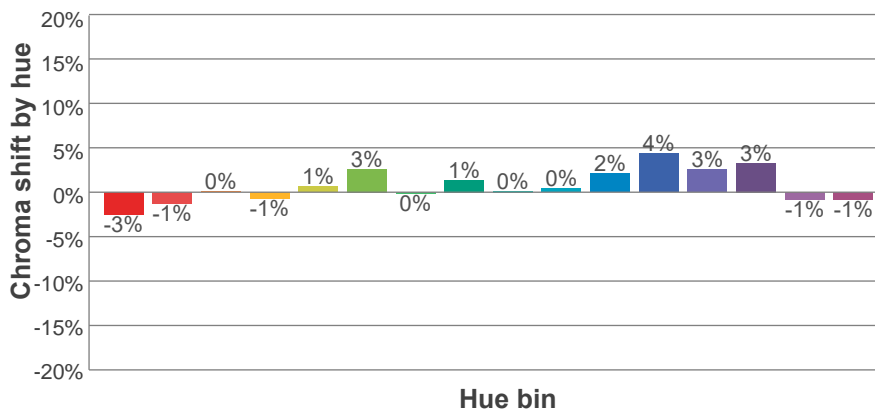
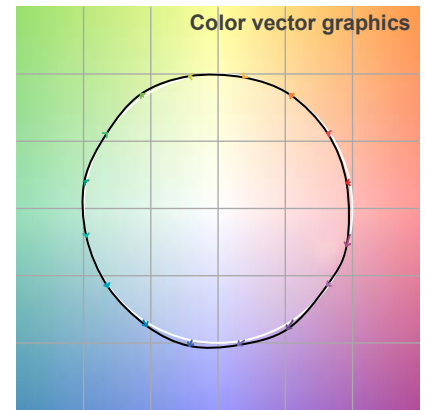
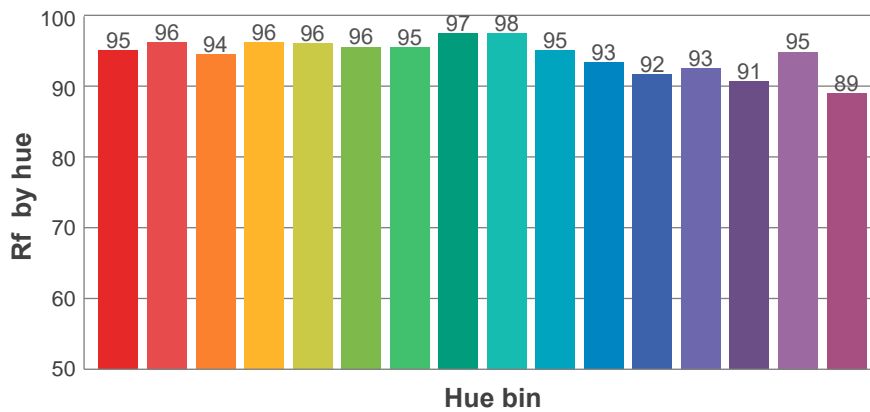
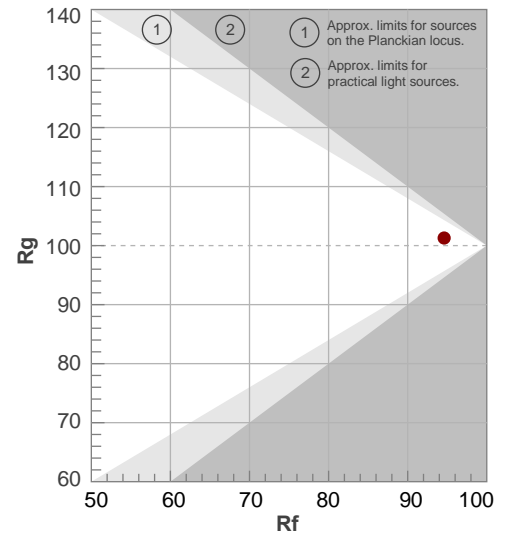
**Rf 94.6**

Fidelity index Rf

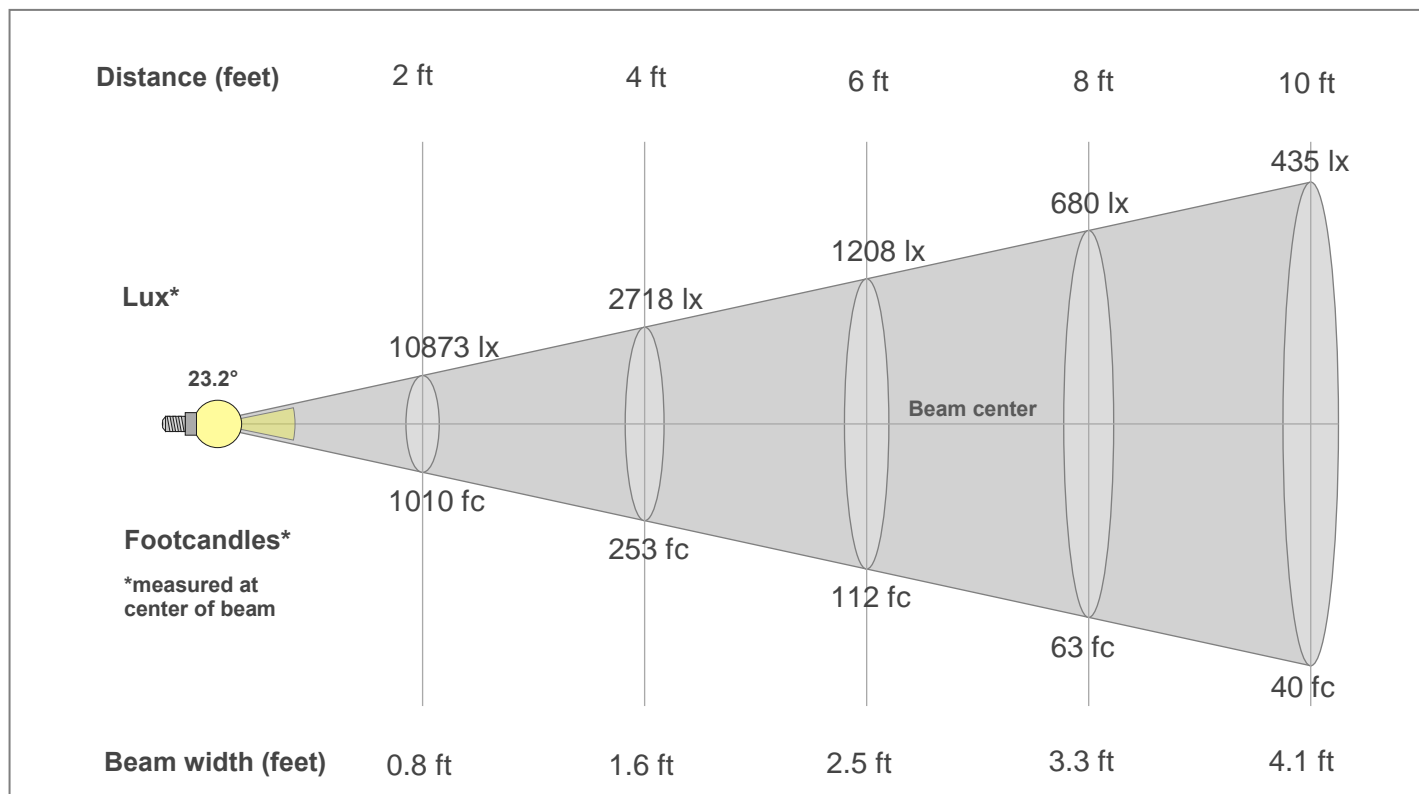
**Rg 101.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	94	0%	3%
4	96	-1%	0%
5	96	1%	2%
6	96	3%	1%
7	95	0%	-1%
8	97	1%	-1%
9	98	0%	1%
10	95	0%	3%
11	93	2%	4%
12	92	4%	-1%
13	93	3%	-5%
14	91	3%	-7%
15	95	-1%	-3%
16	89	-1%	-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
4041lx	1010lx	449lx	253lx	162lx	112lx	82lx	63lx	50lx	40lx	33lx	28lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx
375.4fc	93.8fc	41.7fc	23.5fc	15fc	10.4fc	7.7fc	5.9fc	4.6fc	3.8fc	3.1fc	2.6fc	2.2fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	1fc	0.9fc

### 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°
4041	3975	3783	3443	2984	2456	1926	1466	1108	845	647	496	383	296	231	179	135	99	71	51
100%	98%	94%	85%	74%	61%	48%	36%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%	2%	1%

### 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°
4041	3971	3763	3401	2928	2406	1904	1469	1130	870	672	520	402	314	246	191	143	104	74	52
100%	98%	93%	84%	72%	60%	47%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

### 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°
4041	3975	3783	3443	2984	2456	1926	1466	1108	845	647	496	383	296	231	179	135	99	71	51
100%	98%	94%	85%	74%	61%	48%	36%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%	2%	1%

### 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°
4041	3971	3763	3401	2928	2406	1904	1469	1130	870	672	520	402	314	246	191	143	104	74	52
100%	98%	93%	84%	72%	60%	47%	36%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
23.2°	47.6°	68.1°	99.5%	99.0%