

## Photometric / Colorimetric / Electric Report

Fixture Model:

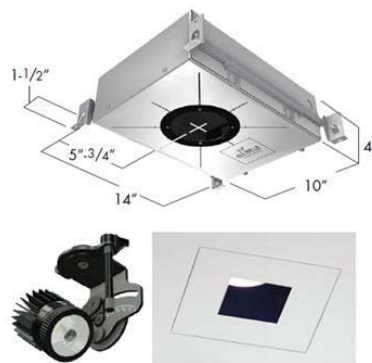
804S-J2S-TW-40-2700K-EL3-8-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/30/2020



Light efficiency:

50 Lumen/Watt

Light quality:

CRI: 95.0

Color temperature:

2732 K

CIE 1931:

x: 0.450  
y: 0.396

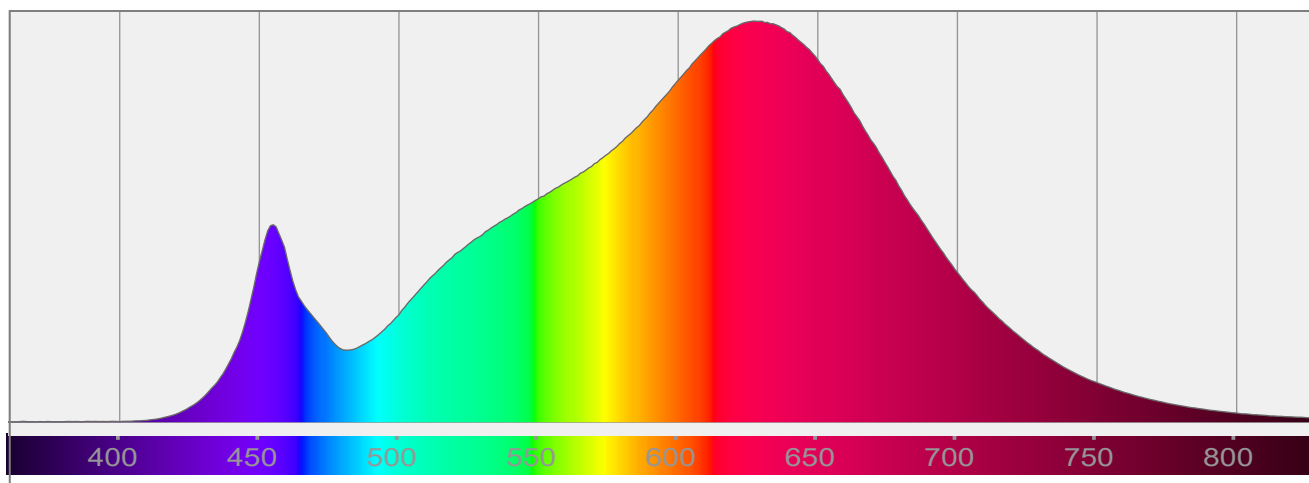
Output: 718 lm

Peak: 1612 cd

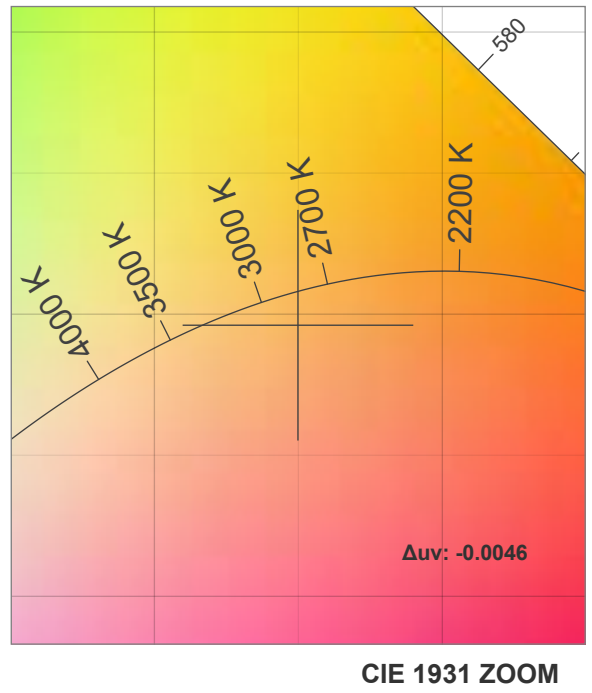
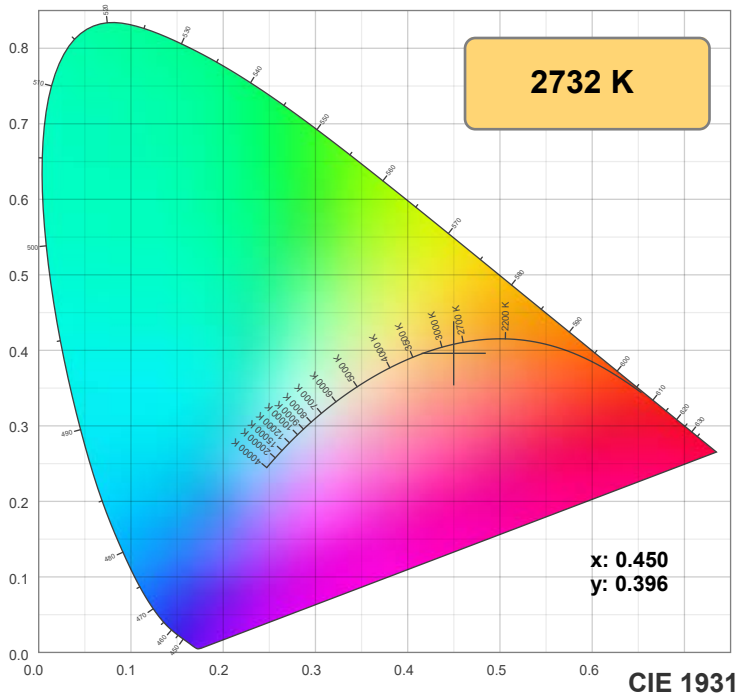
Power: 14.3 W

PF: 0.99

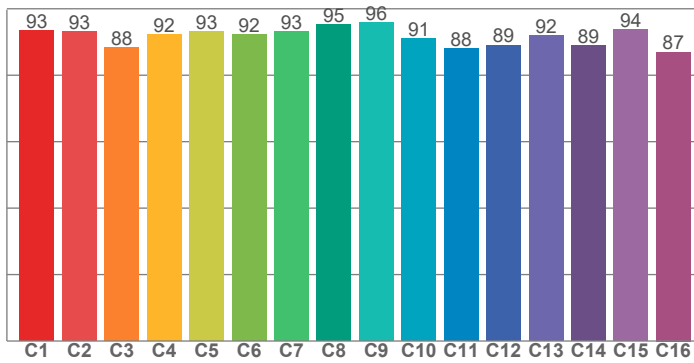
Spectra:



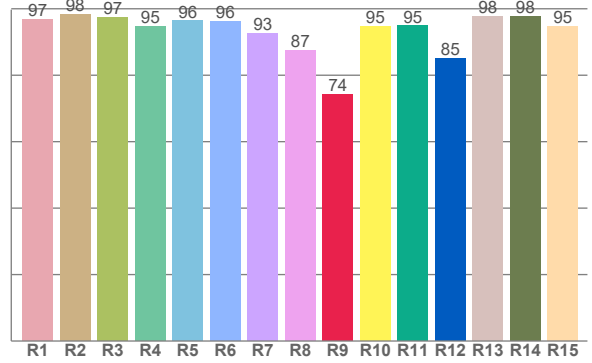
## Color Details



**TM-30: 91.6**



**CRI: 95.0 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	98.3	97.3	94.7	96.3	96.2	92.6	87.4	74.1	94.7	94.8	85.1	97.7	97.6	94.7

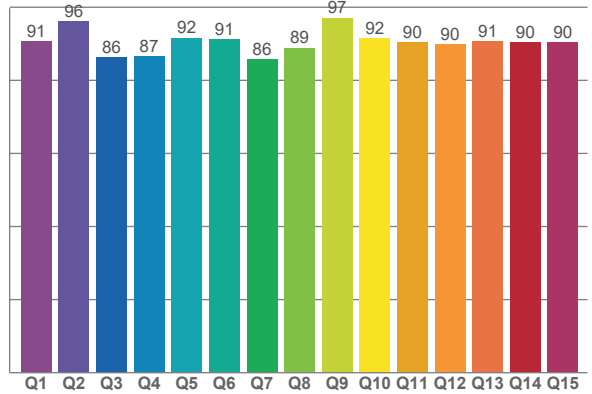
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	93.2	88.2	92.3	93.2	92.2	93.3	95.3	95.9	91.0	88.1	89.1	92.0	89.0	93.7	87.0

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.6	96.1	86.2	86.6	91.7	91.3	85.9	88.9	97.1	91.6	90.4	89.9	90.7	90.3	90.3

**CQS: 89.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2732 K	95.0	74.1	91.6	102.5	89.9	0.450	0.396	0.263	0.347	-0.0046

# TM-30 Details

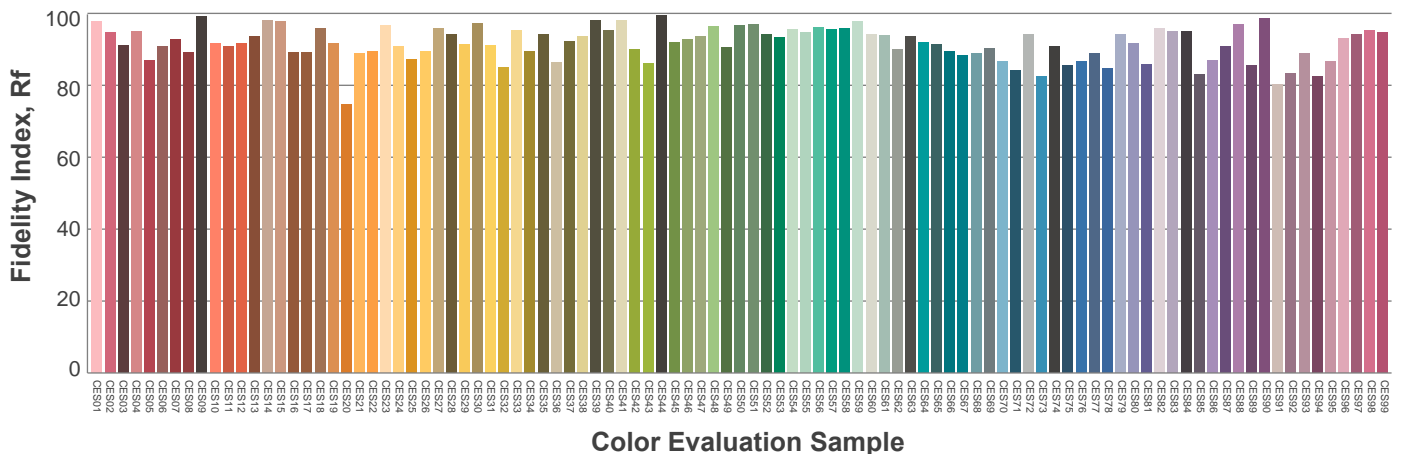
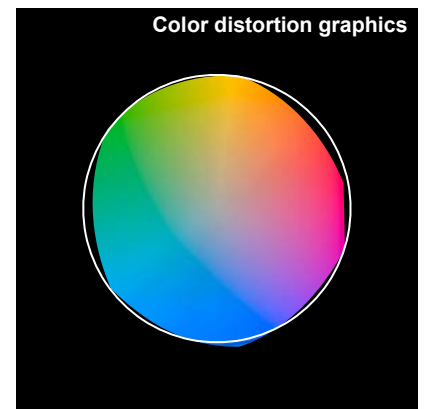
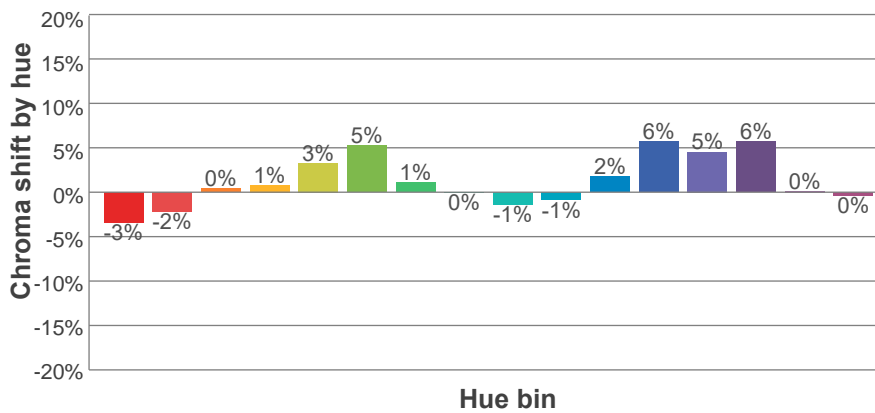
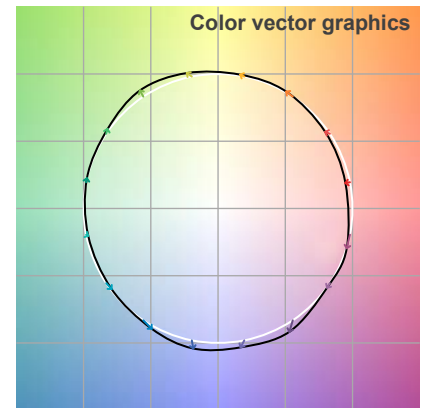
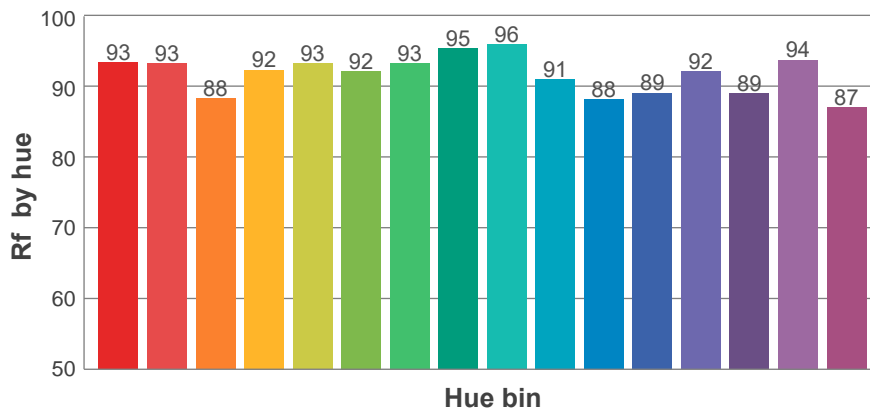
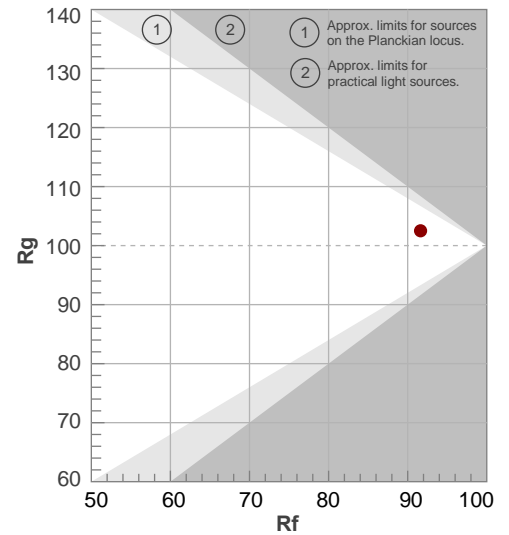
**Rf 91.6**

Fidelity index Rf

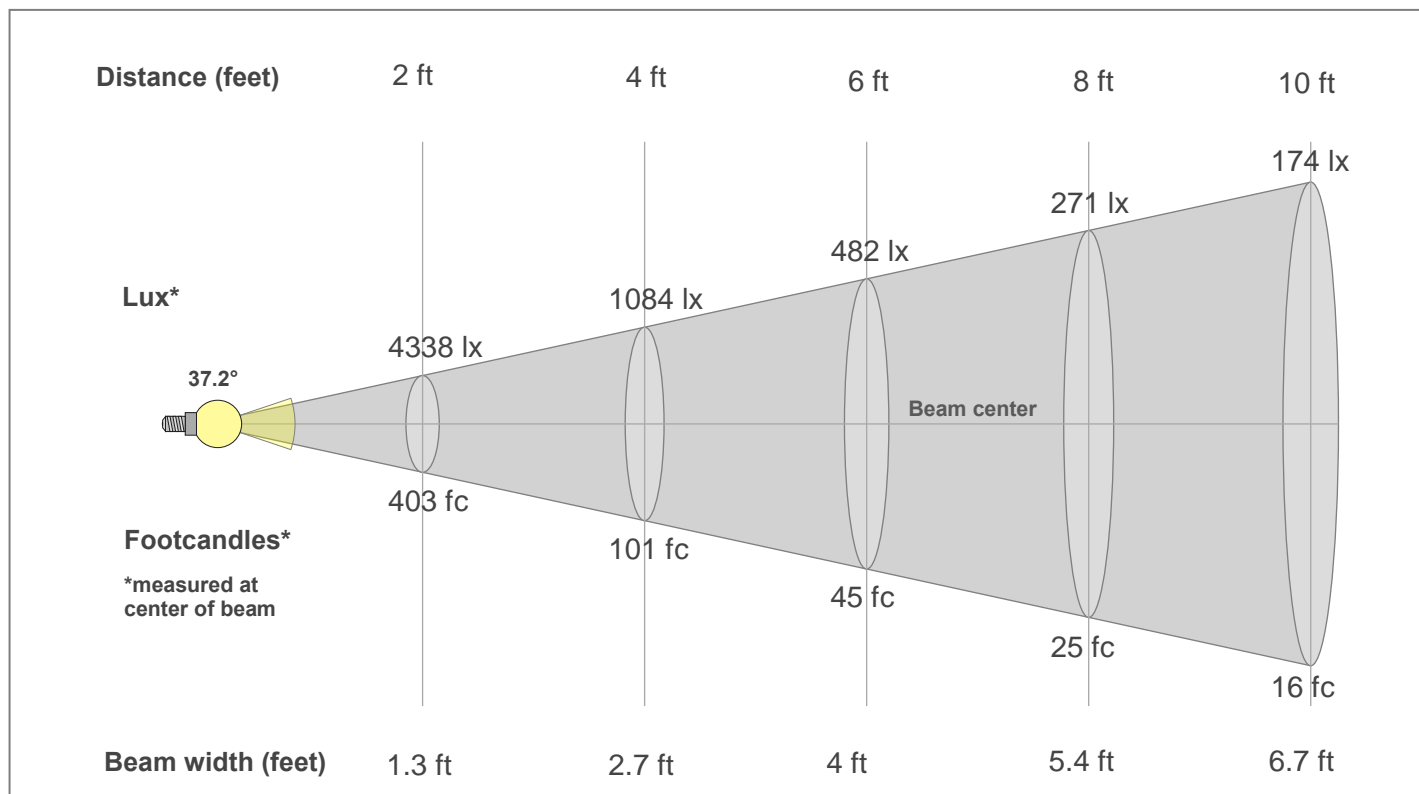
**Rg 102.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	93	-2%	3%
3	88	0%	6%
4	92	1%	3%
5	93	3%	3%
6	92	5%	0%
7	93	1%	-3%
8	95	0%	-3%
9	96	-1%	1%
10	91	-1%	6%
11	88	2%	9%
12	89	6%	2%
13	92	5%	-4%
14	89	6%	-7%
15	94	0%	-4%
16	87	0%	-10%



## 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
1612lx	403lx	179lx	101lx	64lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
149.8fc	37.4fc	16.6fc	9.4fc	6fc	4.2fc	3.1fc	2.3fc	1.8fc	1.5fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc	0.4fc

### 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°
1612	1602	1567	1509	1432	1338	1230	1110	980	846	711	583	467	368	289	224	173	134	104	79
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	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°
1612	1602	1567	1509	1432	1338	1230	1110	980	846	711	583	467	368	289	224	173	134	104	79
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	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°
1612	1602	1567	1509	1432	1338	1230	1110	980	846	711	583	467	368	289	224	173	134	104	79
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	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°
1612	1602	1567	1509	1432	1338	1230	1110	980	846	711	583	467	368	289	224	173	134	104	79
100%	99%	97%	94%	89%	83%	76%	69%	61%	52%	44%	36%	29%	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°
37.2°	65.1°	84.8°	99.8%	98.9%