

Photometric / Colorimetric / Electric Report

Fixture Model:

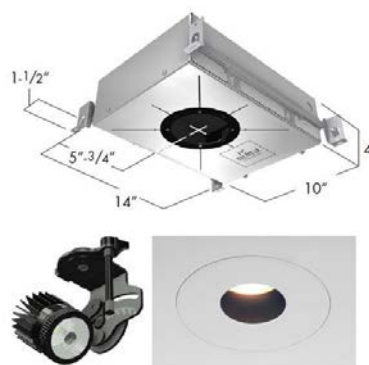
804S-J2S-TW-25-4000K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 93.7

Color temperature:

4097 K

CIE 1931:

x: 0.376
y: 0.371

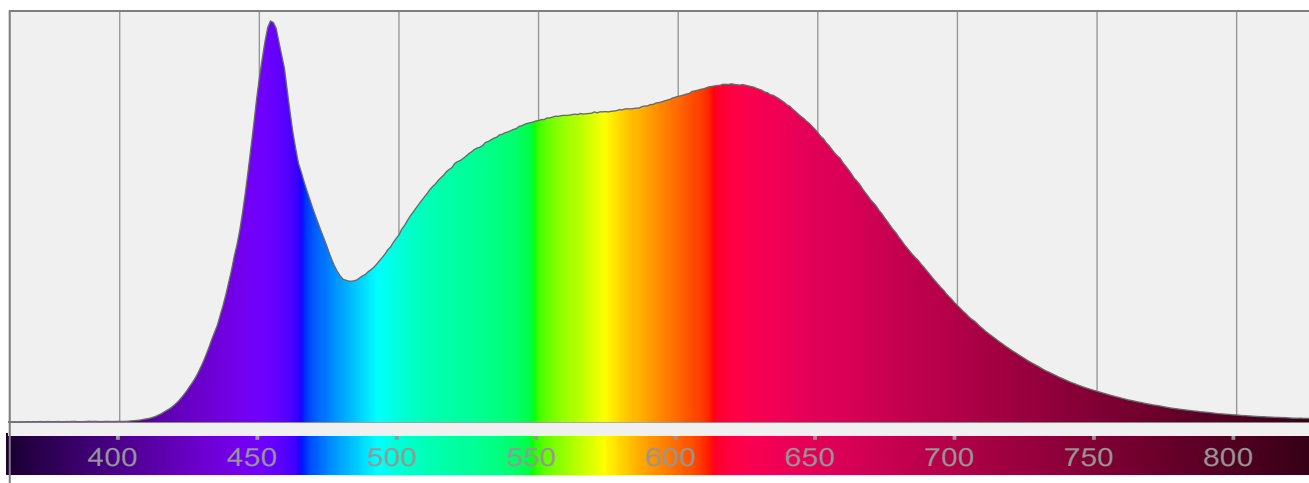
Output: 714 lm

Peak: 2679 cd

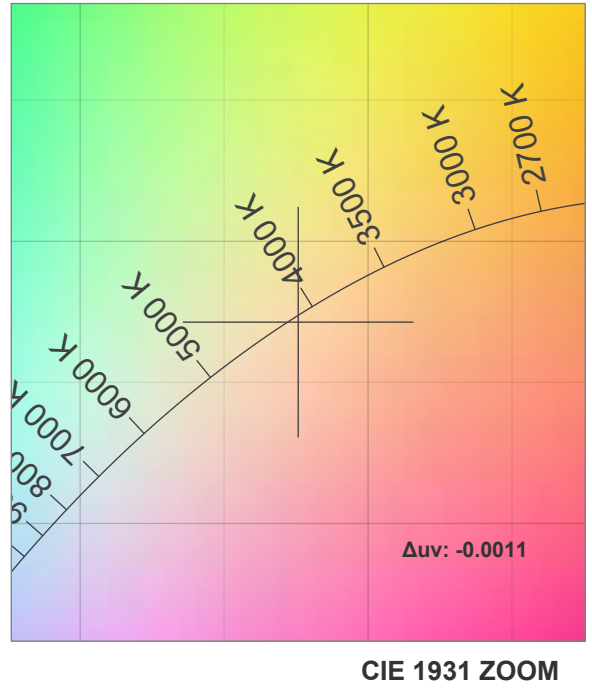
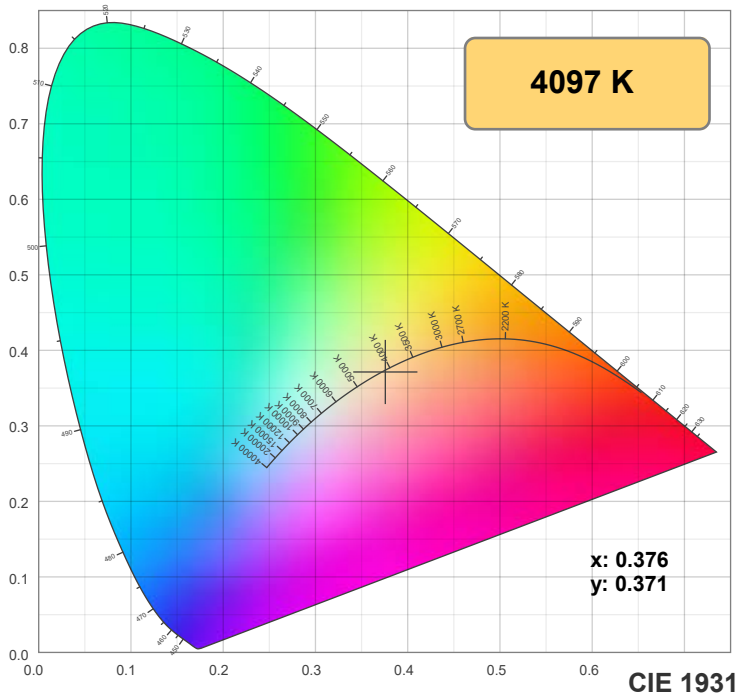
Power: 14.6 W

PF: 0.99

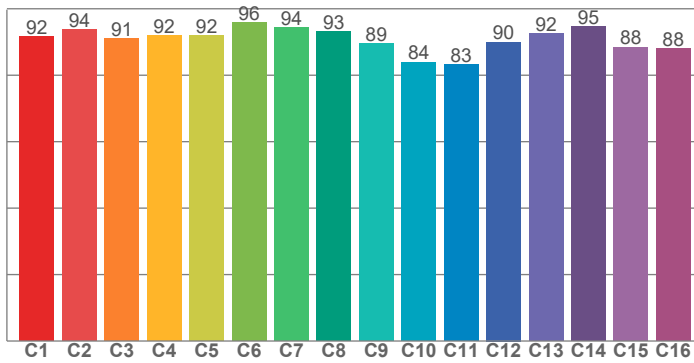
Spectra:



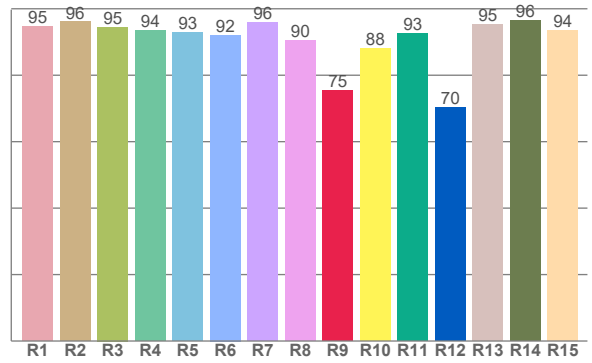
Color Details



TM-30: 90.5



CRI: 93.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.6	96.0	94.5	93.5	92.8	92.1	95.9	90.4	75.3	88.2	92.6	70.3	95.3	96.4	93.6

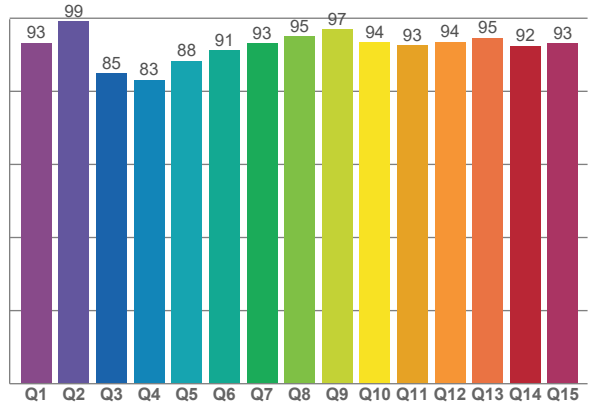
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.6	93.7	91.1	91.9	92.1	95.8	94.4	93.1	89.4	84.0	83.2	90.0	92.5	94.5	88.5	88.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93.3	99.1	84.9	83.2	88.4	91.4	93.2	95.2	97.0	93.5	92.5	93.6	94.6	92.5	93.0

CQS: 91.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4097 K	93.7	75.3	90.5	99.0	91.4	0.376	0.371	0.224	0.332	-0.0011

TM-30 Details

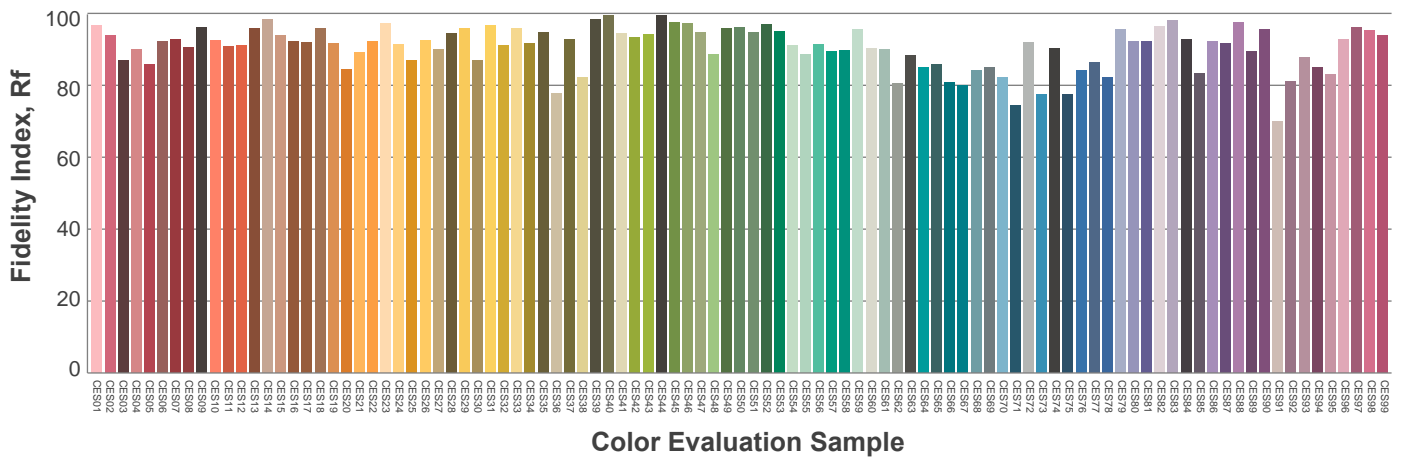
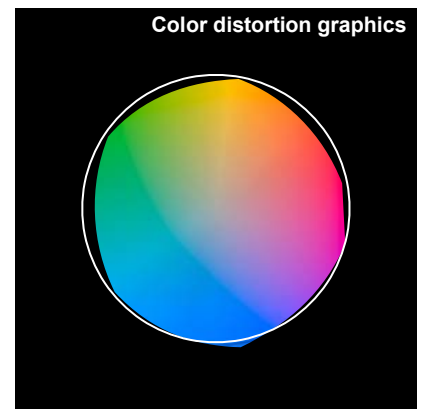
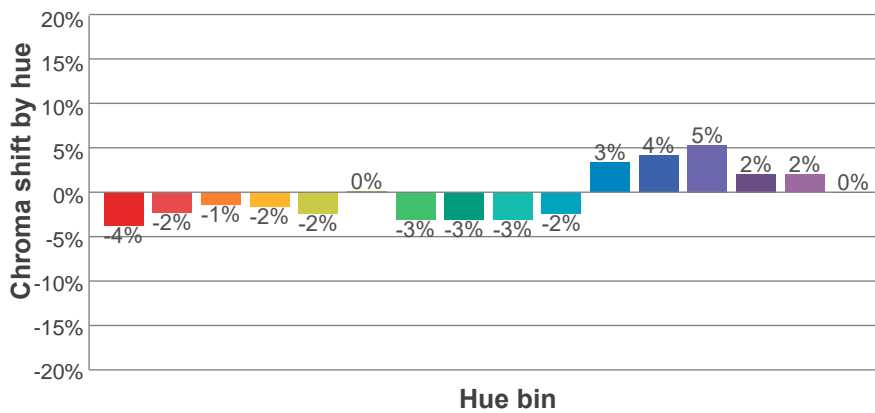
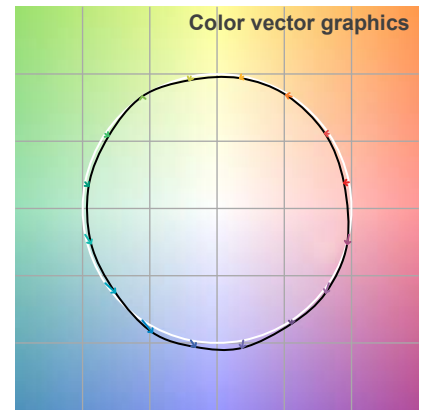
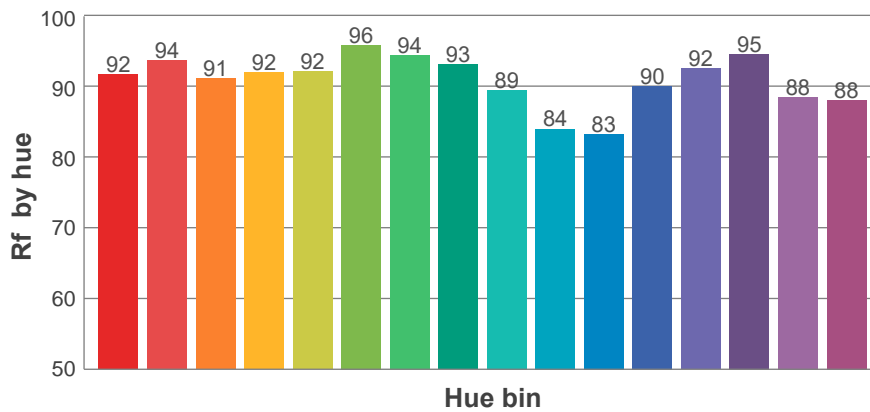
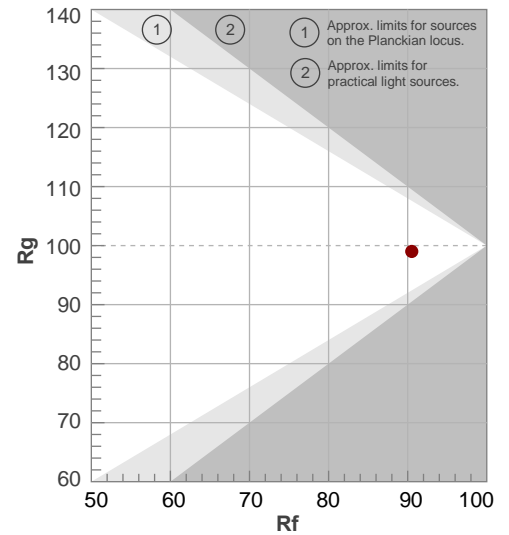
Rf 90.5

Fidelity index Rf

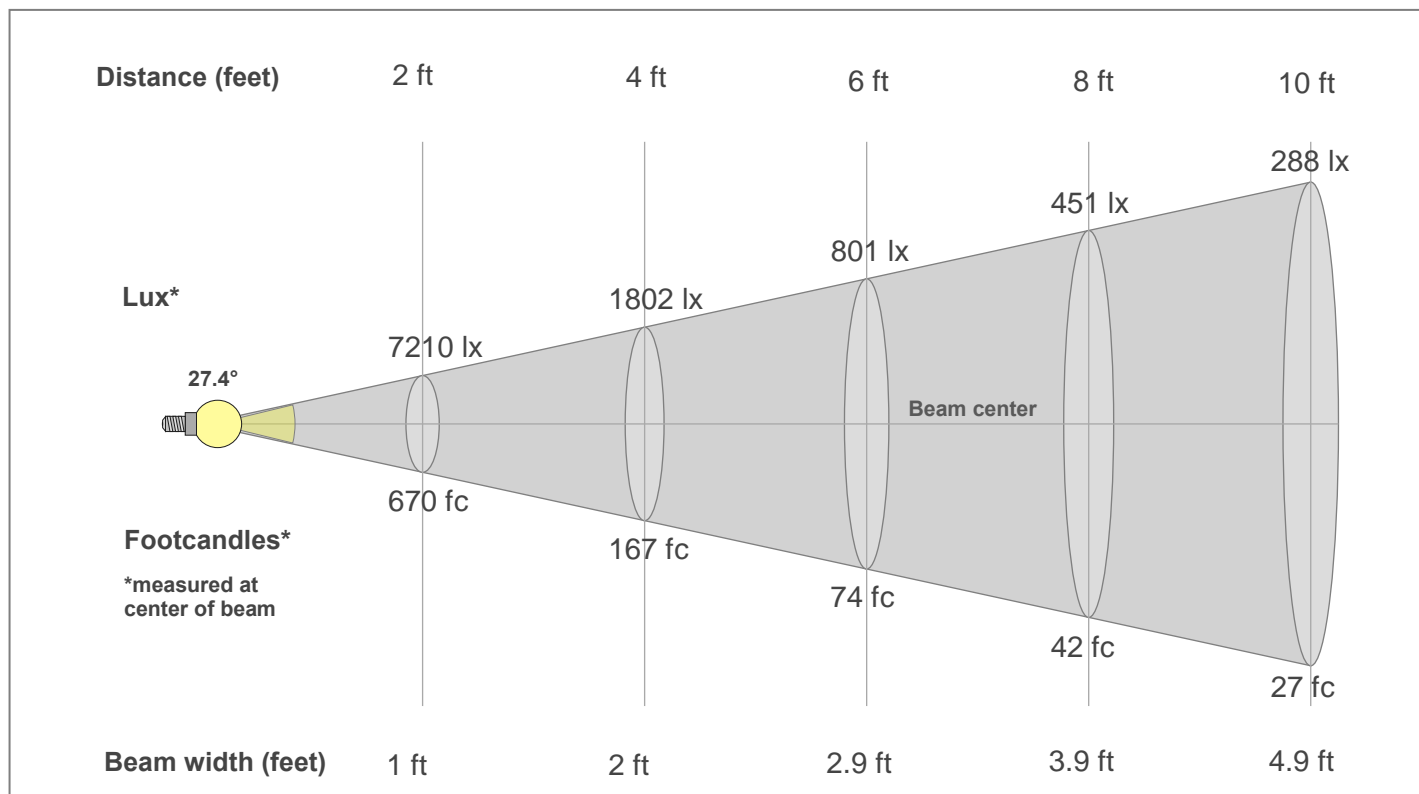
Rg 99.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-2%	2%
3	91	-1%	4%
4	92	-2%	2%
5	92	-2%	2%
6	96	0%	0%
7	94	-3%	0%
8	93	-3%	2%
9	89	-3%	7%
10	84	-2%	10%
11	83	3%	11%
12	90	4%	4%
13	92	5%	-2%
14	95	2%	-1%
15	88	2%	-7%
16	88	0%	-7%



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
2679lx	670lx	298lx	167lx	107lx	74lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx
248.9fc	62.2fc	27.7fc	15.6fc	10fc	6.9fc	5.1fc	3.9fc	3.1fc	2.5fc	2.1fc	1.7fc	1.5fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc

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°
2679	2638	2521	2339	2106	1846	1570	1300	1054	839	657	503	369	261	175	113	71	43	26	17
100%	98%	94%	87%	79%	69%	59%	49%	39%	31%	25%	19%	14%	10%	7%	4%	3%	2%	1%	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°
2679	2638	2521	2339	2106	1846	1570	1300	1054	839	657	503	369	261	175	113	71	43	26	17
100%	98%	94%	87%	79%	69%	59%	49%	39%	31%	25%	19%	14%	10%	7%	4%	3%	2%	1%	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°
2679	2638	2521	2339	2106	1846	1570	1300	1054	839	657	503	369	261	175	113	71	43	26	17
100%	98%	94%	87%	79%	69%	59%	49%	39%	31%	25%	19%	14%	10%	7%	4%	3%	2%	1%	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°
2679	2638	2521	2339	2106	1846	1570	1300	1054	839	657	503	369	261	175	113	71	43	26	17
100%	98%	94%	87%	79%	69%	59%	49%	39%	31%	25%	19%	14%	10%	7%	4%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
27.4°	51.7°	64.4°	99.8%	99.6%