

Photometric / Colorimetric / Electric Report

Fixture Model:

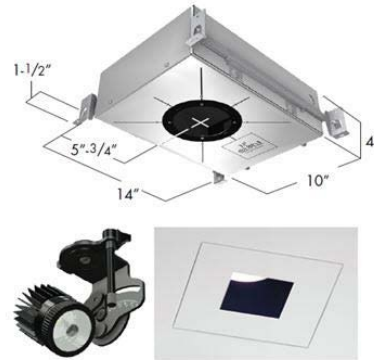
804S-J2S-TW-15T-2700K-EL3-8-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/30/2020



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

2721 K

CIE 1931:

**x: 0.451
y: 0.397**

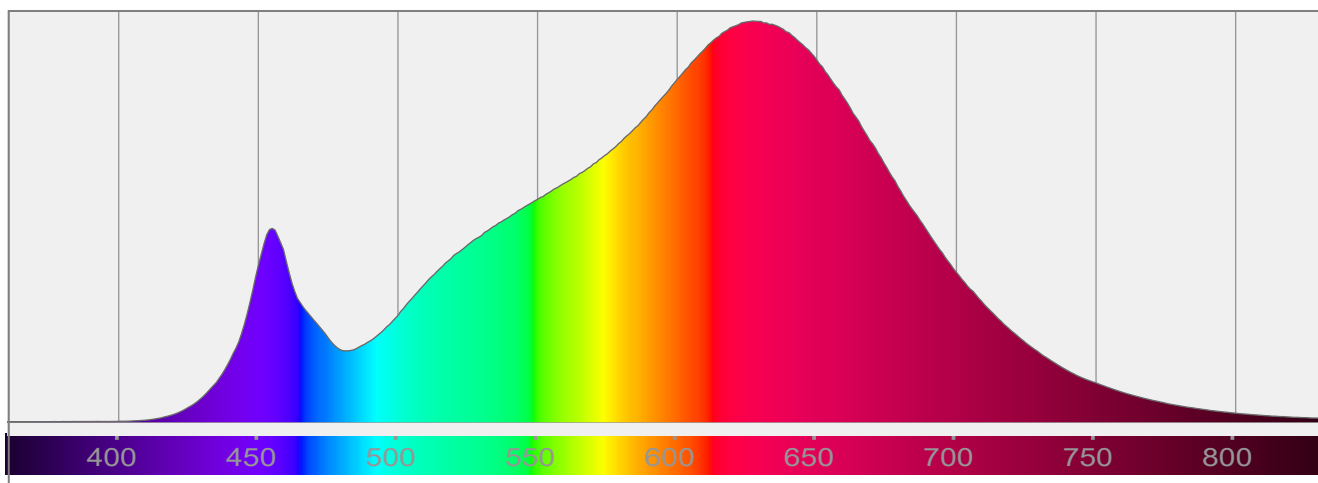
Output: 890 lm

Peak: 6542 cd

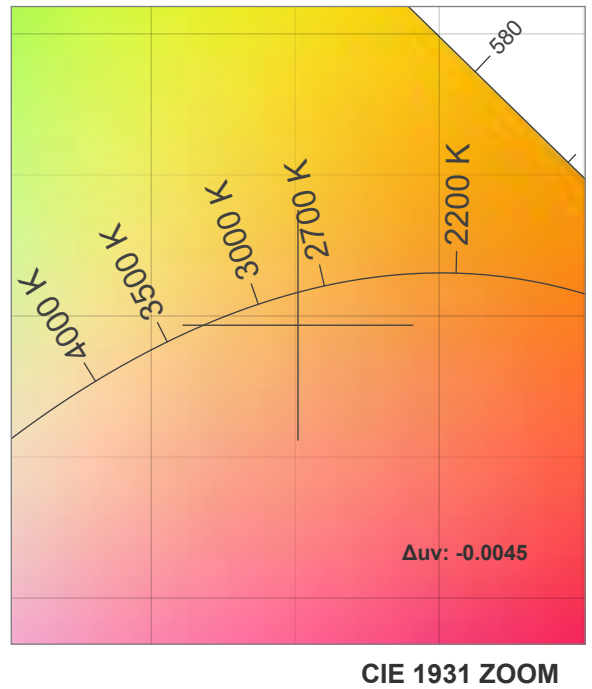
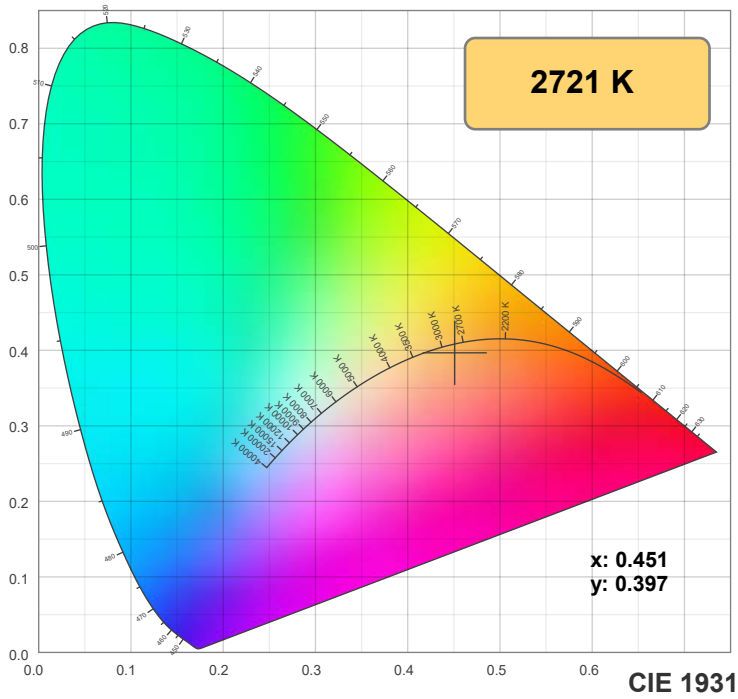
Power: 14.3 W

PF: 0.99

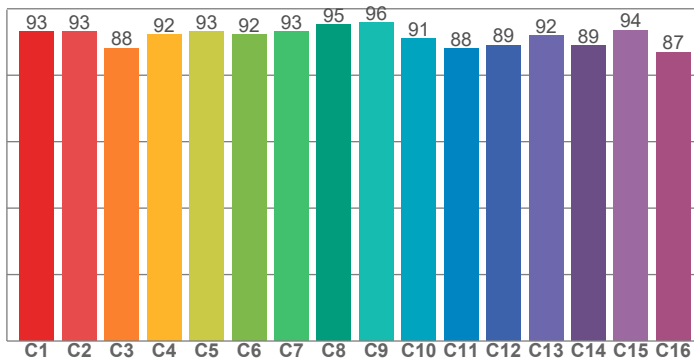
Spectra:



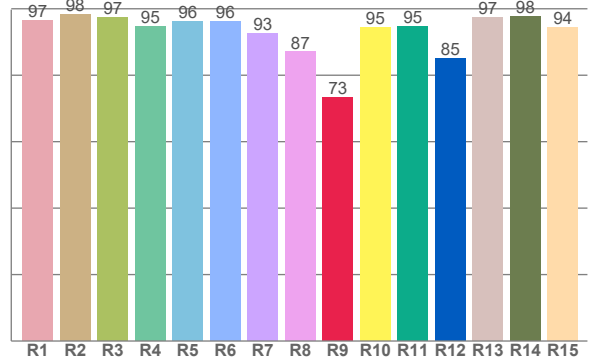
Color Details



TM-30: 91.6



CRI: 94.8 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	98.3	97.3	94.6	96.1	96.2	92.5	87.0	73.2	94.5	94.7	85.1	97.5	97.6	94.3

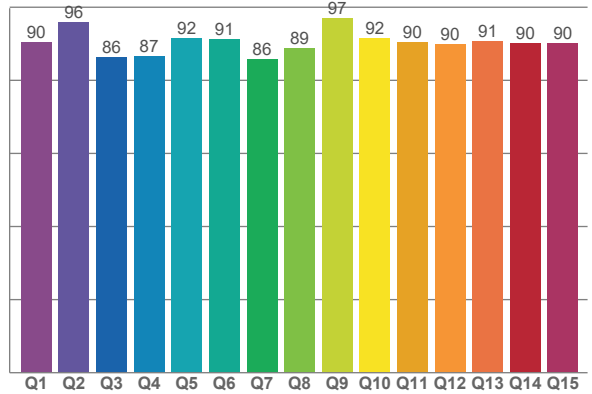
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.2	93.1	88.2	92.3	93.2	92.2	93.2	95.3	95.9	91.0	88.1	89.1	92.0	88.9	93.6	87.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.4	96.0	86.2	86.6	91.5	91.2	85.8	88.8	97.1	91.6	90.3	89.9	90.6	90.1	90.0

CQS: 89.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2721 K	94.8	73.2	91.6	102.4	89.8	0.451	0.397	0.263	0.347	-0.0045

TM-30 Details

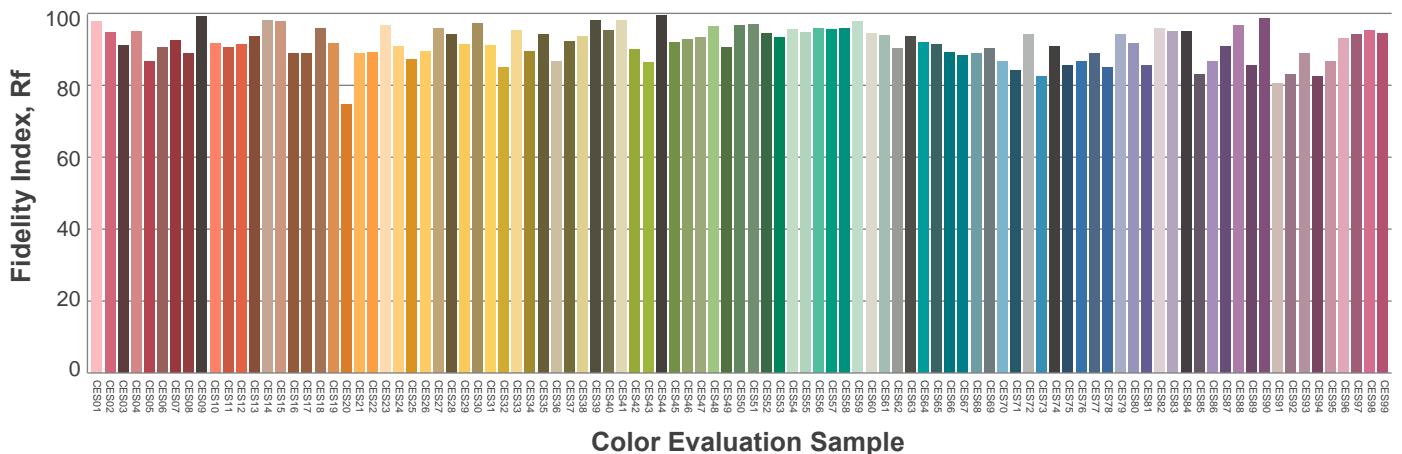
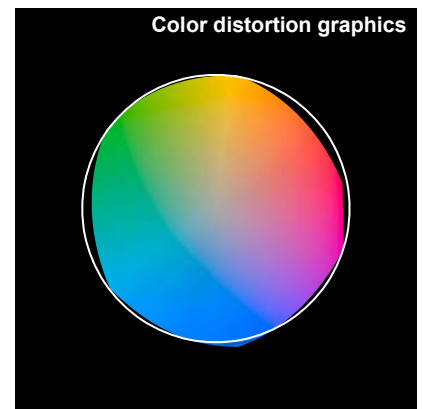
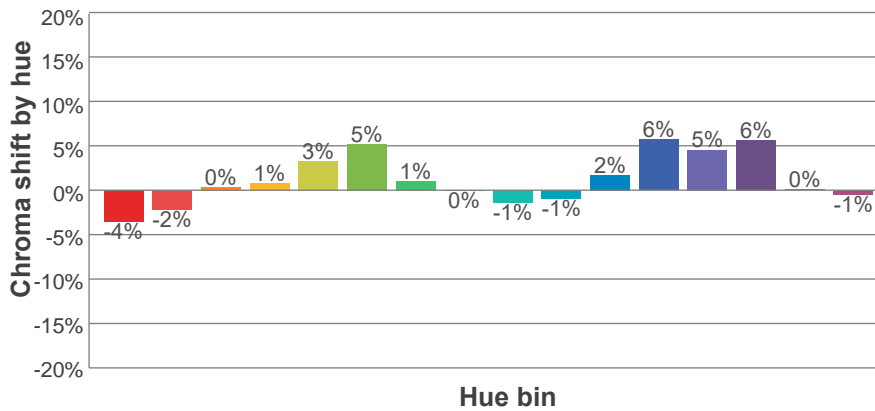
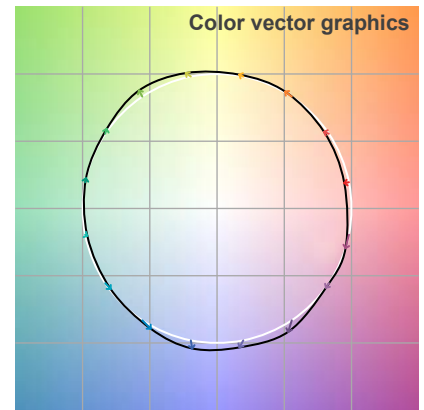
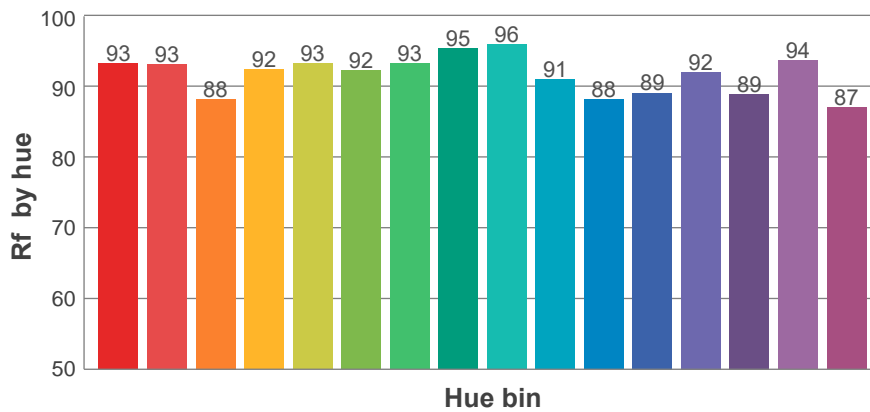
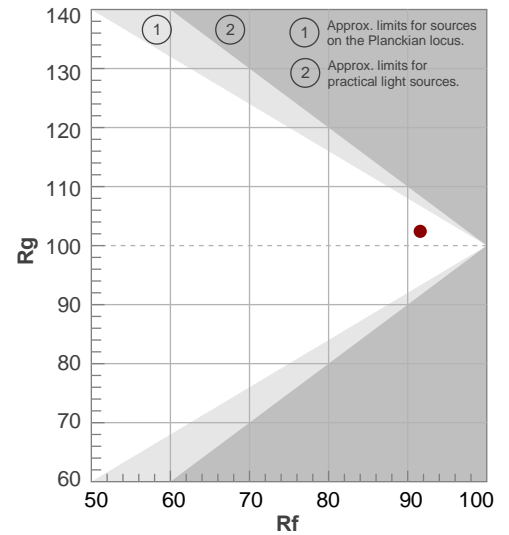
Rf 91.6

Fidelity index Rf

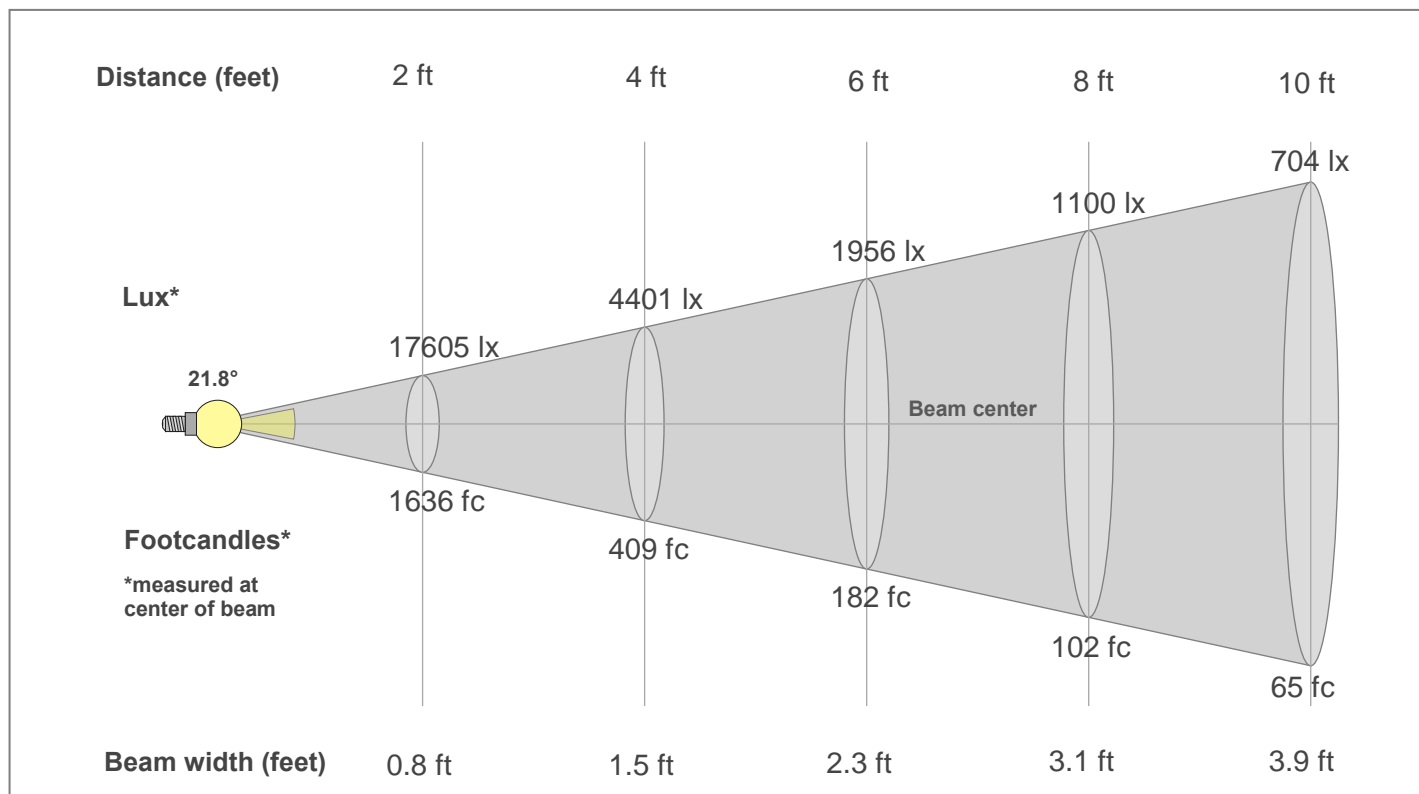
Rg 102.4

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	93	-2%	3%
3	88	0%	6%
4	92	1%	3%
5	93	3%	3%
6	92	5%	0%
7	93	1%	-4%
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	-1%	-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
6542lx	1636lx	727lx	409lx	262lx	182lx	134lx	102lx	81lx	65lx	54lx	45lx	39lx	33lx	29lx	26lx	23lx	20lx	18lx	16lx
607.8fc	151.9fc	67.5fc	38fc	24.3fc	16.9fc	12.4fc	9.5fc	7.5fc	6.1fc	5fc	4.2fc	3.6fc	3.1fc	2.7fc	2.4fc	2.1fc	1.9fc	1.7fc	1.5fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6542	6522	6462	6325	6129	5903	5624	5277	4843	4331	3780	3211	2626	2048	1512	1058	722	502	363	269
100%	100%	99%	97%	94%	90%	86%	81%	74%	66%	58%	49%	40%	31%	23%	16%	11%	8%	6%	4%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6542	6522	6462	6325	6129	5903	5624	5277	4843	4331	3780	3211	2626	2048	1512	1058	722	502	363	269
100%	100%	99%	97%	94%	90%	86%	81%	74%	66%	58%	49%	40%	31%	23%	16%	11%	8%	6%	4%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6542	6522	6462	6325	6129	5903	5624	5277	4843	4331	3780	3211	2626	2048	1512	1058	722	502	363	269
100%	100%	99%	97%	94%	90%	86%	81%	74%	66%	58%	49%	40%	31%	23%	16%	11%	8%	6%	4%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6542	6522	6462	6325	6129	5903	5624	5277	4843	4331	3780	3211	2626	2048	1512	1058	722	502	363	269
100%	100%	99%	97%	94%	90%	86%	81%	74%	66%	58%	49%	40%	31%	23%	16%	11%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.8°	32.5°	41.7°	99.8%	99.7%