

Photometric / Colorimetric / Electric Report

Fixture Model:

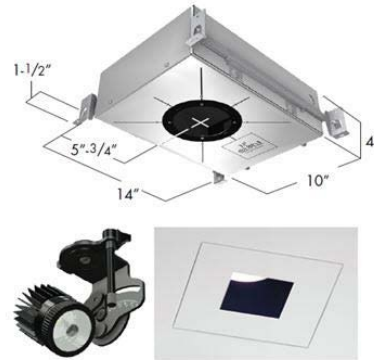
804S-J2S-TW-15T-3500K-EL3-8-700-FS-P-1-WH

Trim Model:

FS-P-1-WH

Date:

7/30/2020



Light efficiency:

70 Lumen/Watt

Light quality:

CRI: 95.1

Color temperature:

3528 K

CIE 1931:

**x: 0.401
y: 0.381**

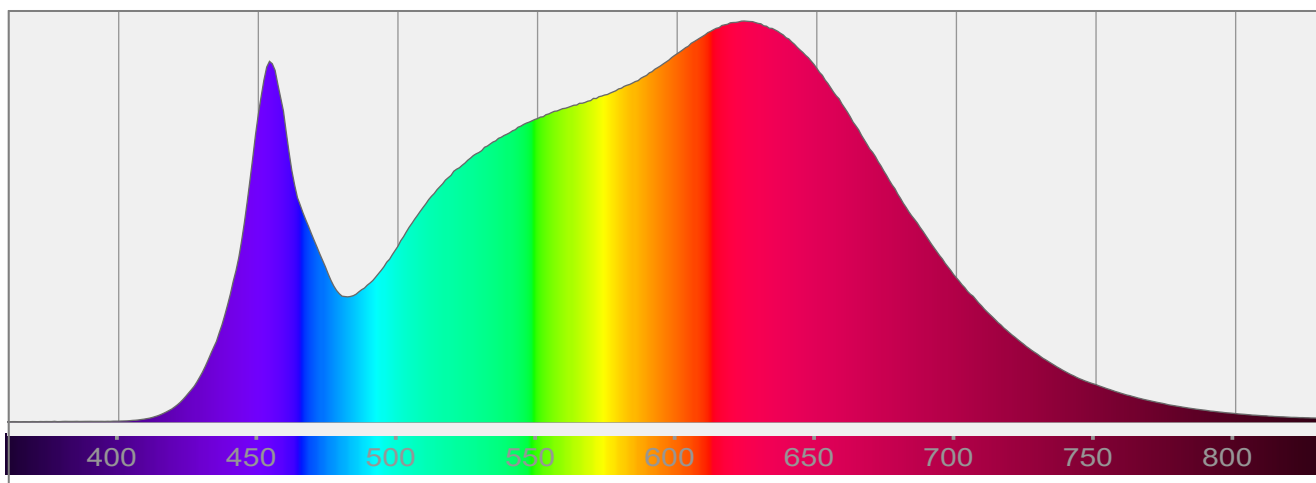
Output: 1014 lm

Peak: 7516 cd

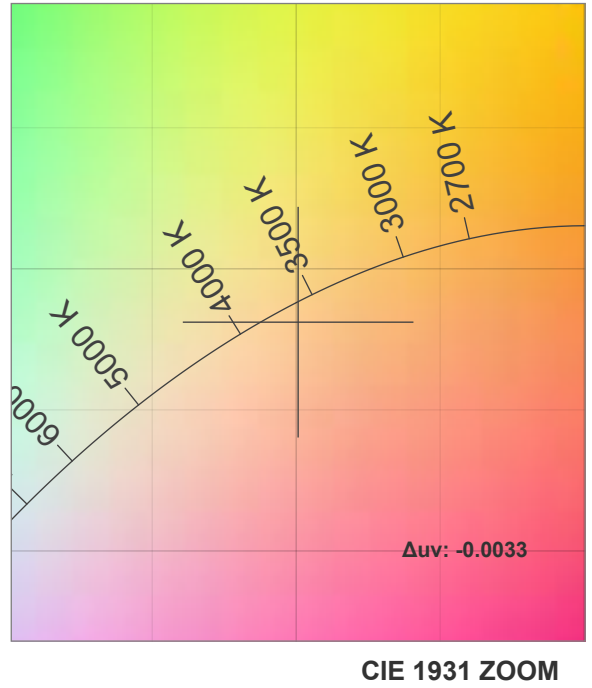
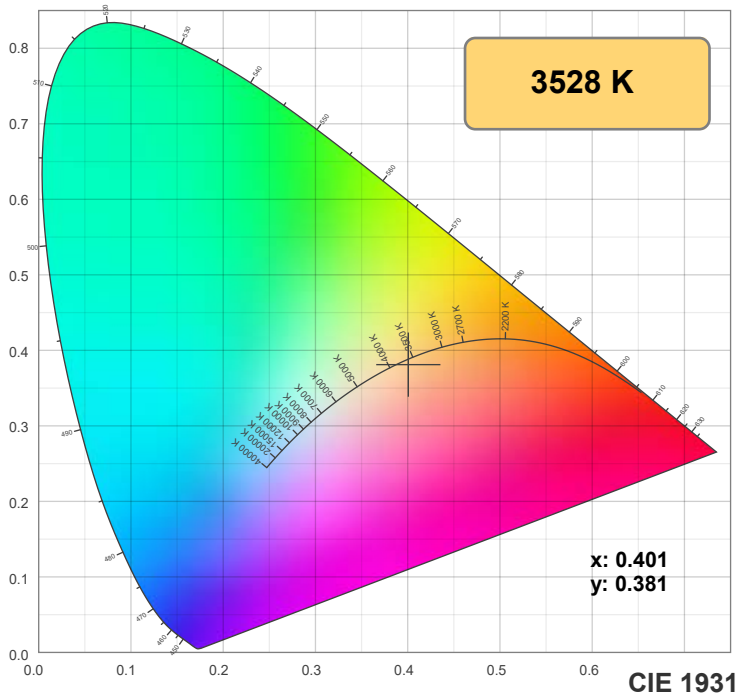
Power: 14.5 W

PF: 0.99

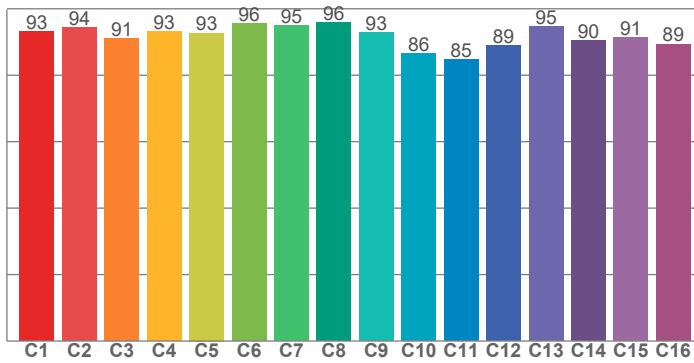
Spectra:



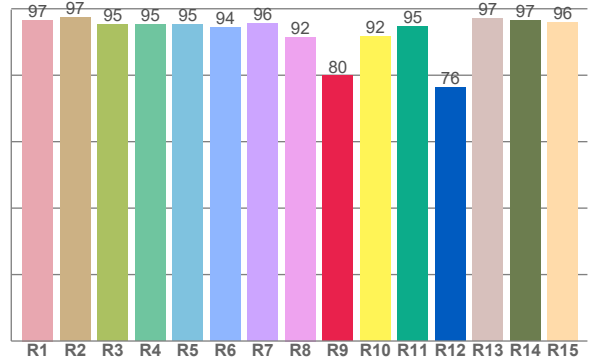
Color Details



TM-30: 91.7



CRI: 95.1 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.6	97.4	95.3	95.3	95.3	94.3	95.6	91.5	79.8	91.6	94.5	76.2	97.2	96.6	95.9

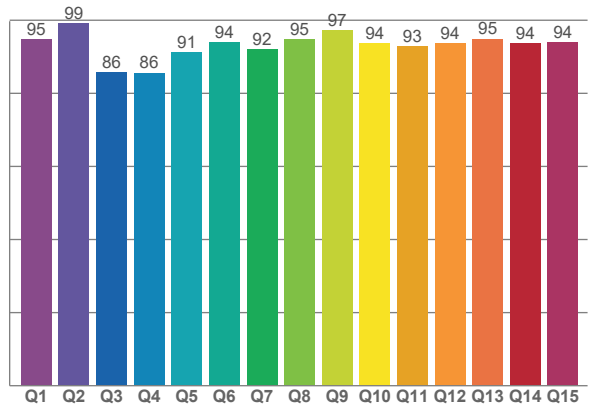
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.1	94.4	91.0	93.2	92.7	95.6	94.9	95.8	93.0	86.5	84.8	88.8	94.5	90.4	91.3	89.4

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.7	99.2	85.8	85.6	91.2	93.9	92.1	94.8	97.3	93.6	92.9	93.7	94.9	93.7	94.0

CQS: 92.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3528 K	95.1	79.8	91.7	100.6	92.3	0.401	0.381	0.237	0.338	-0.0033

TM-30 Details

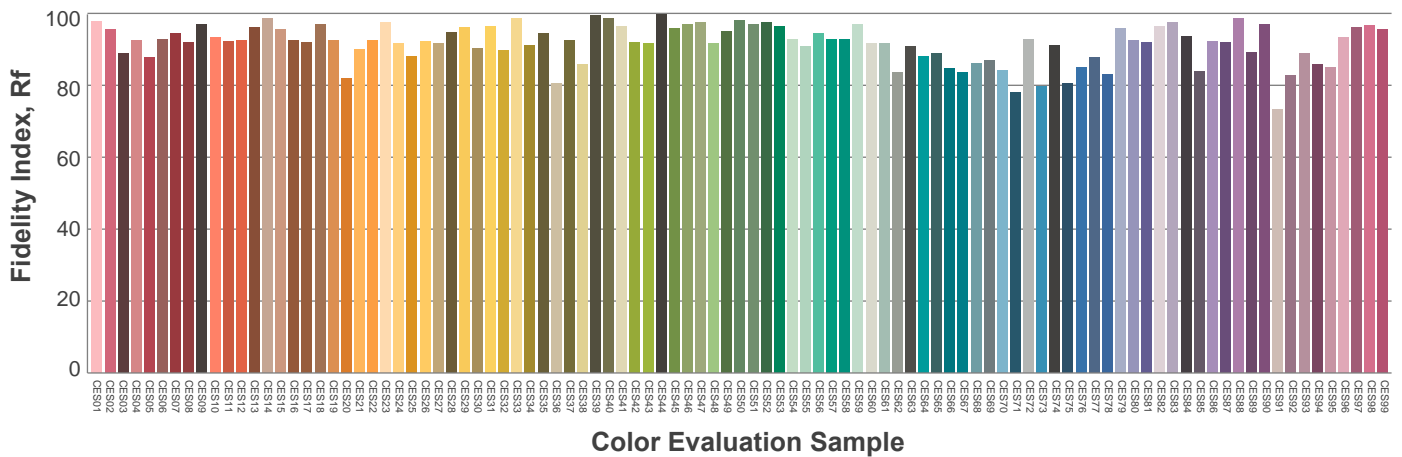
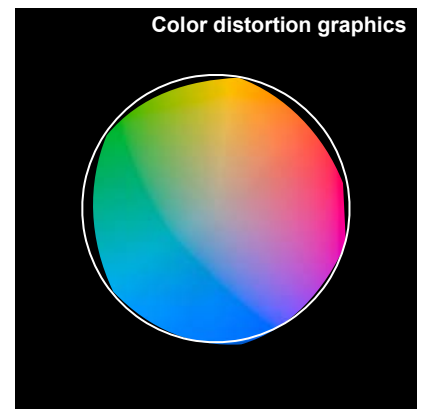
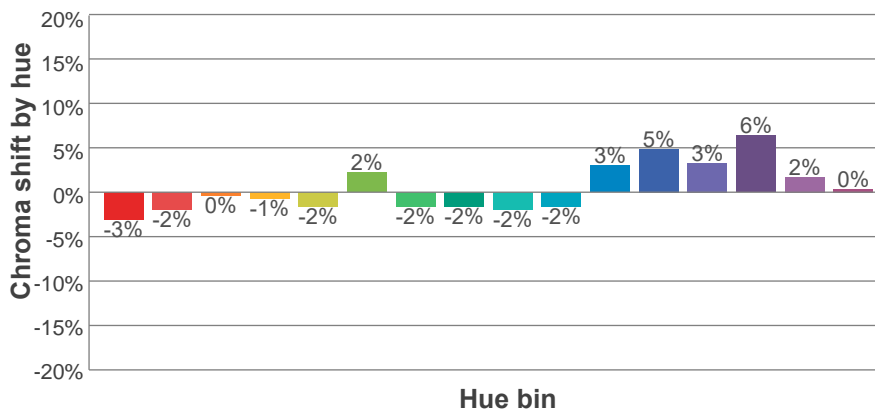
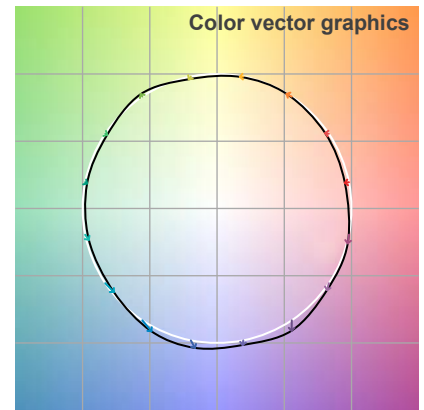
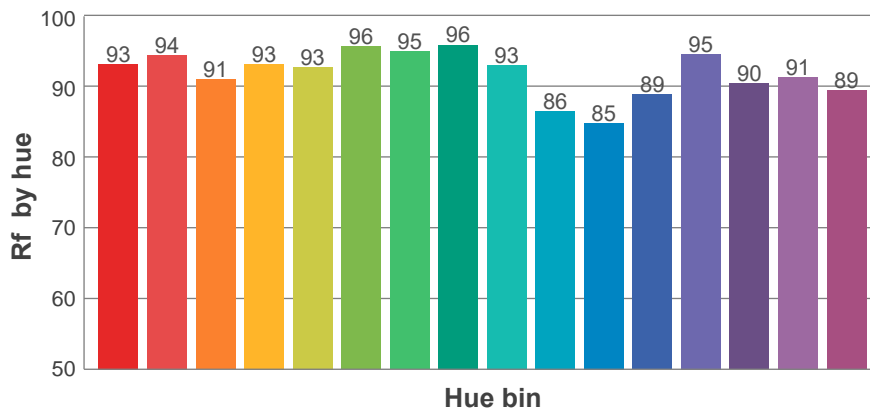
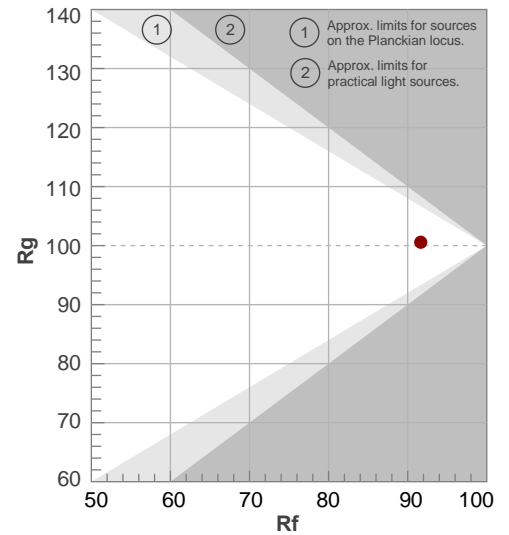
Rf 91.7

Fidelity index Rf

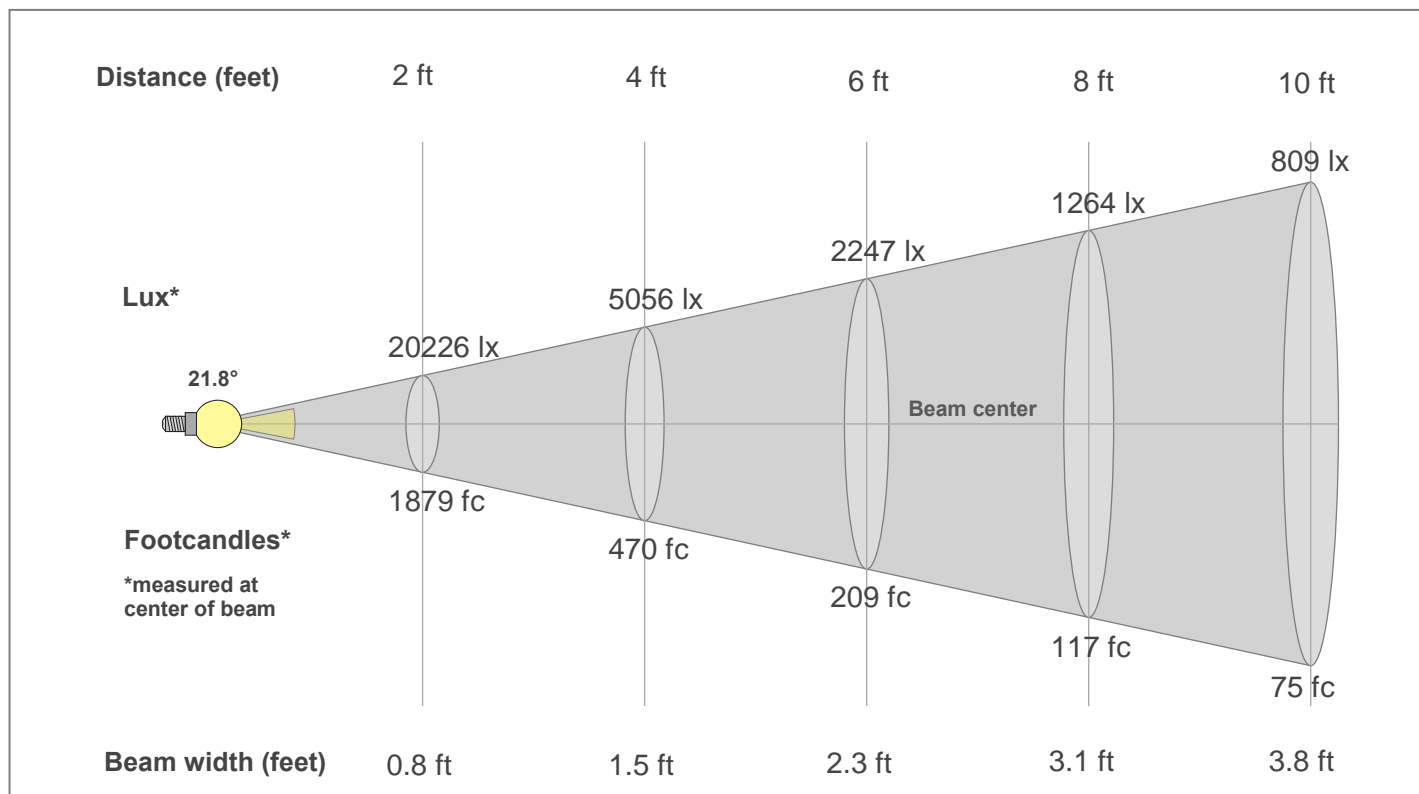
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	94	-2%	2%
3	91	0%	4%
4	93	-1%	2%
5	93	-2%	2%
6	96	2%	0%
7	95	-2%	0%
8	96	-2%	1%
9	93	-2%	4%
10	86	-2%	9%
11	85	3%	10%
12	89	5%	4%
13	95	3%	-1%
14	90	6%	-4%
15	91	2%	-5%
16	89	0%	-6%



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
7516lx	1879lx	835lx	470lx	301lx	209lx	153lx	117lx	93lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
698.3fc	174.6fc	77.6fc	43.6fc	27.9fc	19.4fc	14.3fc	10.9fc	8.6fc	7fc	5.8fc	4.8fc	4.1fc	3.6fc	3.1fc	2.7fc	2.4fc	2.2fc	1.9fc	1.7fc

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°
7516	7470	7457	7352	7143	6862	6523	6111	5604	5010	4359	3682	2976	2275	1642	1129	764	534	389	292
100%	99%	99%	98%	95%	91%	87%	81%	75%	67%	58%	49%	40%	30%	22%	15%	10%	7%	5%	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°
7516	7470	7457	7352	7143	6862	6523	6111	5604	5010	4359	3682	2976	2275	1642	1129	764	534	389	292
100%	99%	99%	98%	95%	91%	87%	81%	75%	67%	58%	49%	40%	30%	22%	15%	10%	7%	5%	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°
7516	7470	7457	7352	7143	6862	6523	6111	5604	5010	4359	3682	2976	2275	1642	1129	764	534	389	292
100%	99%	99%	98%	95%	91%	87%	81%	75%	67%	58%	49%	40%	30%	22%	15%	10%	7%	5%	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°
7516	7470	7457	7352	7143	6862	6523	6111	5604	5010	4359	3682	2976	2275	1642	1129	764	534	389	292
100%	99%	99%	98%	95%	91%	87%	81%	75%	67%	58%	49%	40%	30%	22%	15%	10%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.8°	32.1°	41.4°	99.7%	99.6%