

Photometric / Colorimetric / Electric Report

Fixture Model:

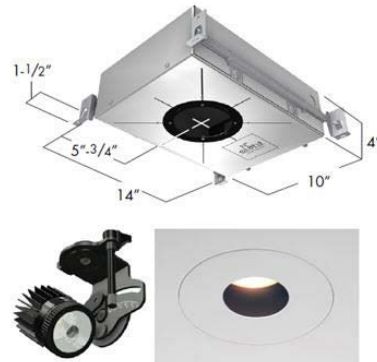
804S-J2S-TW-15T-4500K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 91.7

Color temperature:

4477 K

CIE 1931:

**x: 0.363
y: 0.368**

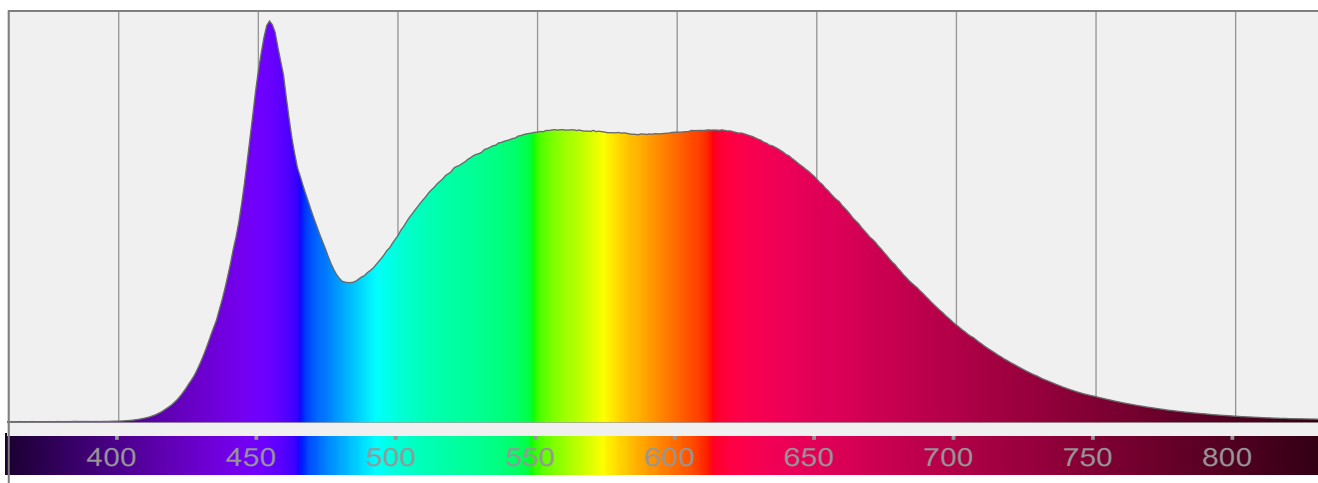
Output: 994 lm

Peak: 7660 cd

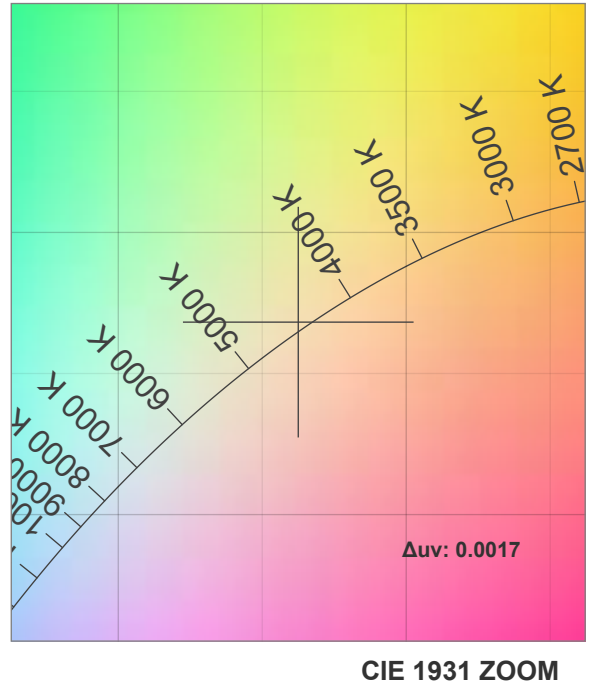
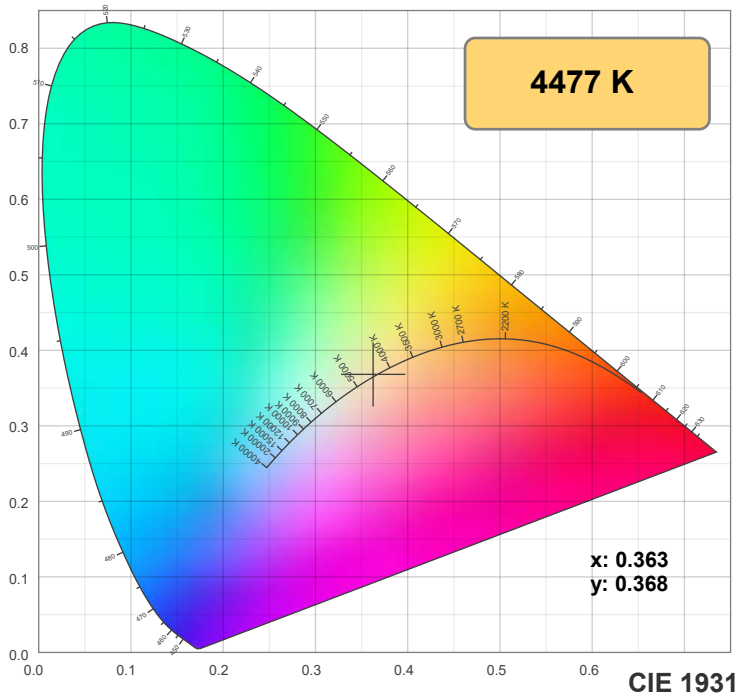
Power: 14.7 W

PF: 0.99

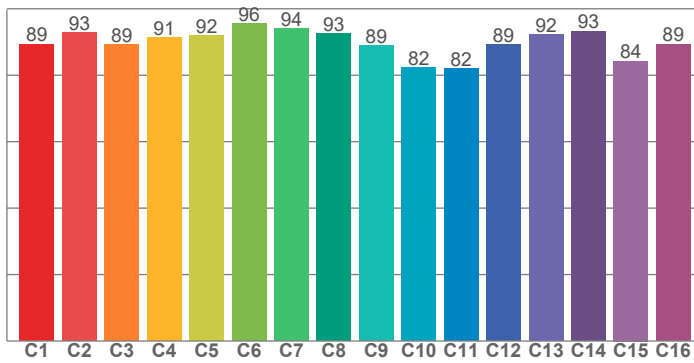
Spectra:



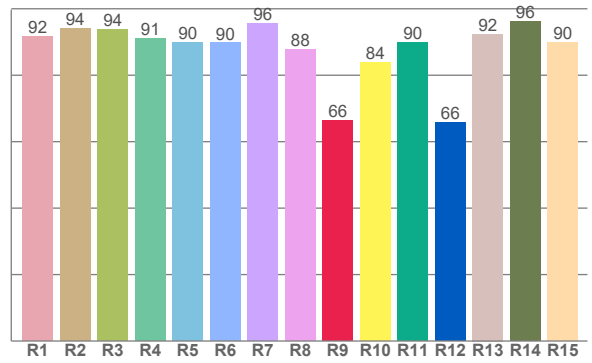
Color Details



TM-30: 89.7



CRI: 91.7 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.7	94.0	93.8	91.1	89.9	89.7	95.6	87.7	66.4	83.9	89.8	65.8	92.4	96.3	89.9

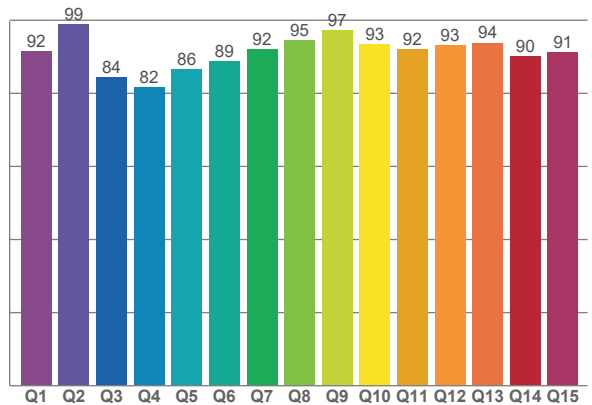
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.4	92.8	89.3	91.3	92.0	95.6	94.0	92.5	89.0	82.3	82.0	89.1	92.1	93.3	84.3	89.4

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.6	98.8	84.5	81.7	86.5	88.9	92.1	94.6	97.2	93.4	92.2	93.1	93.8	90.1	91.1

CQS: 90.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4477 K	91.7	66.4	89.7	98.4	90.3	0.363	0.368	0.217	0.330	0.0017

TM-30 Details

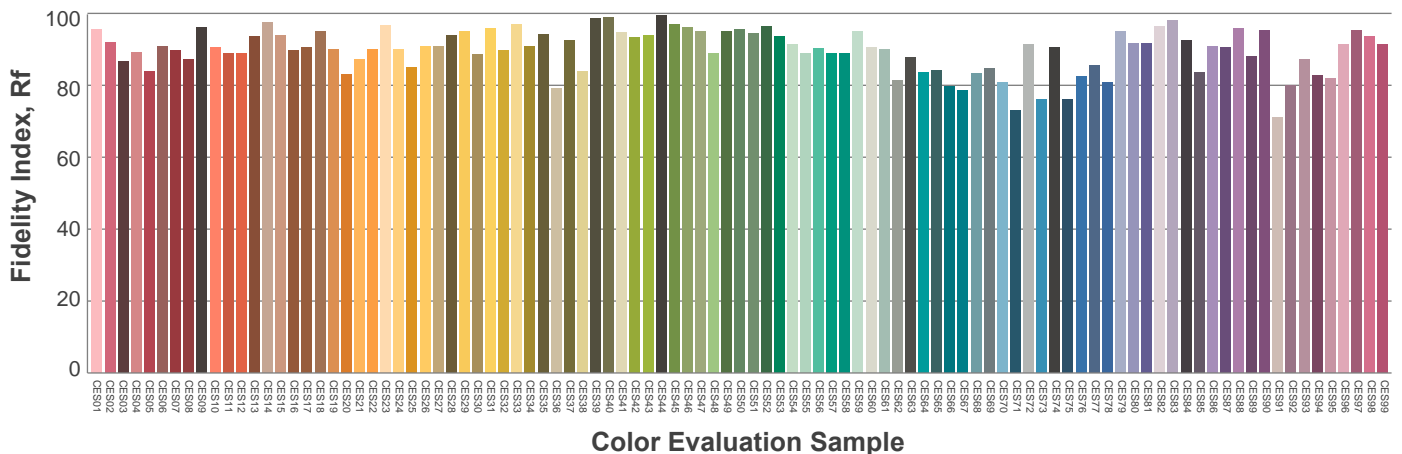
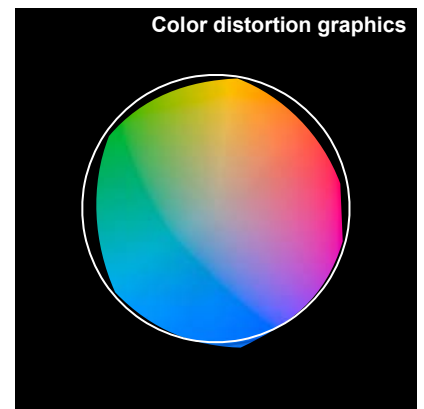
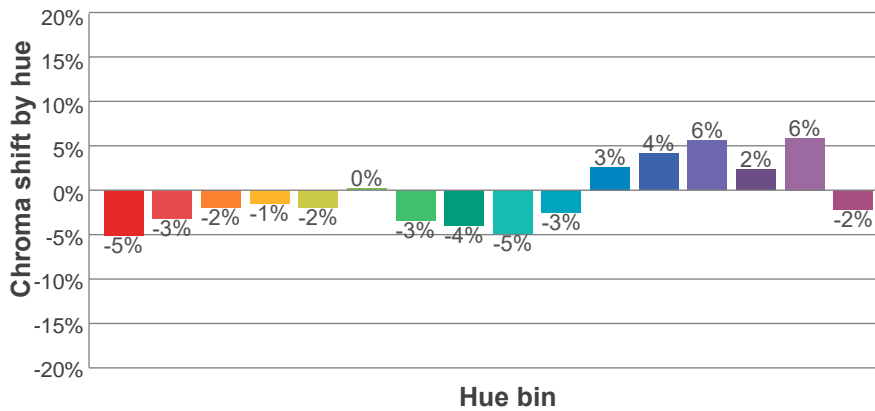
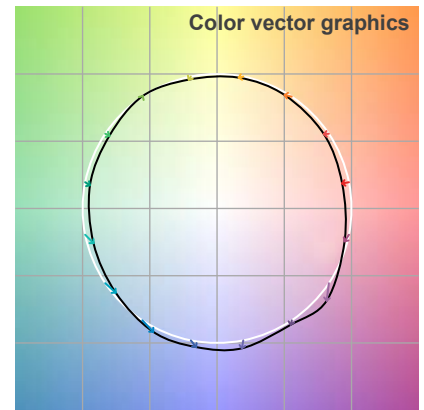
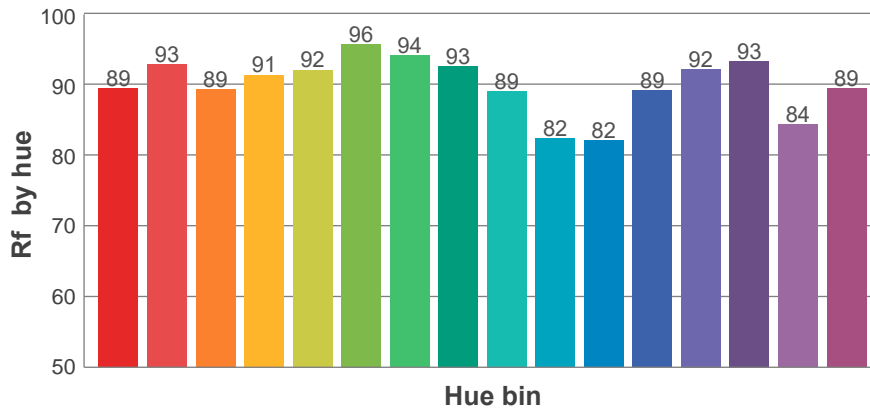
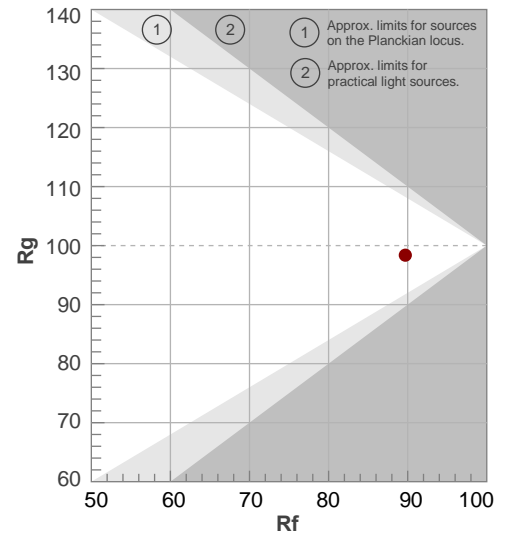
Rf 89.7

Fidelity index Rf

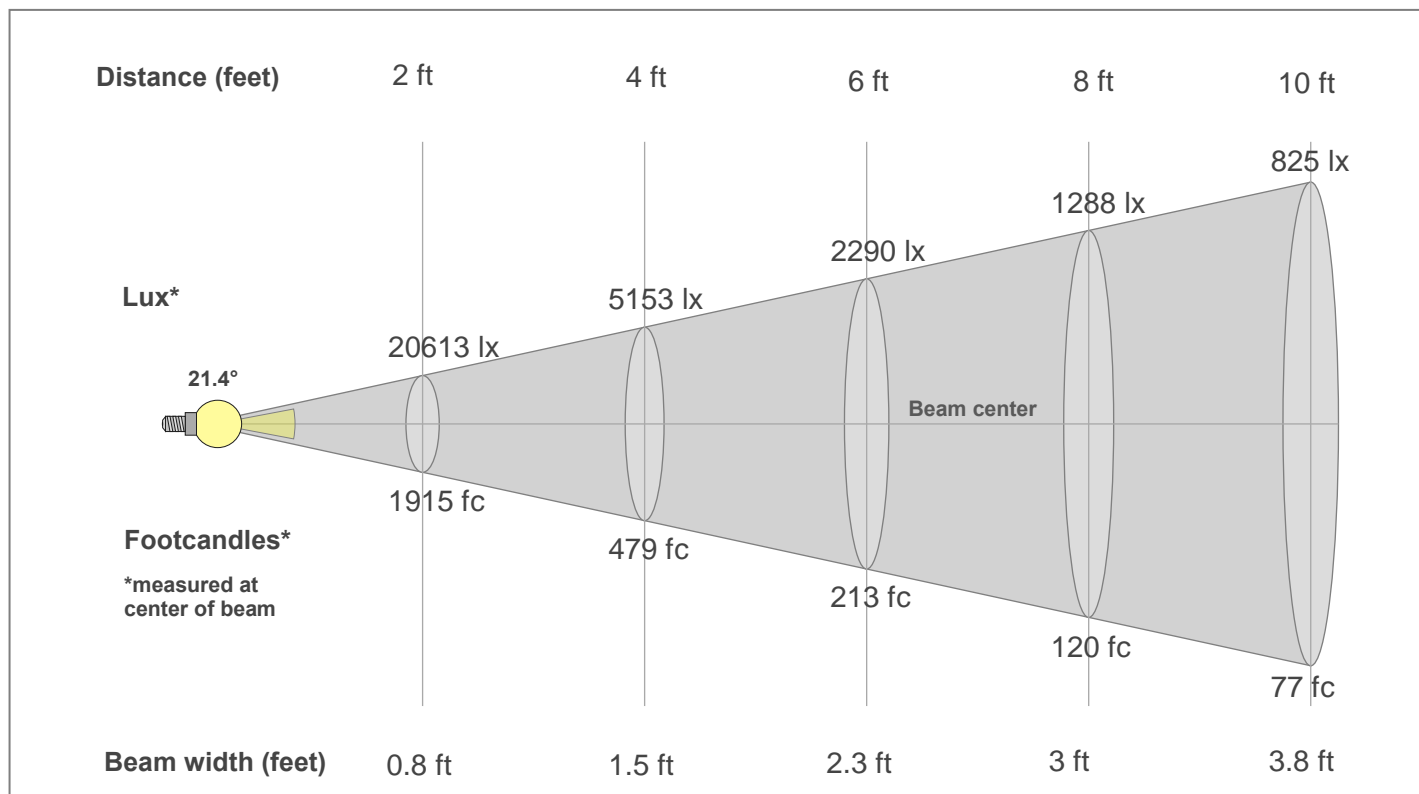
Rg 98.4

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-5%	0%
2	93	-3%	2%
3	89	-2%	5%
4	91	-1%	3%
5	92	-2%	2%
6	96	0%	0%
7	94	-3%	-1%
8	93	-4%	1%
9	89	-5%	7%
10	82	-3%	10%
11	82	3%	11%
12	89	4%	5%
13	92	6%	-2%
14	93	2%	-2%
15	84	6%	-12%
16	89	-2%	-5%



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
7660lx	1915lx	851lx	479lx	306lx	213lx	156lx	120lx	95lx	77lx	63lx	53lx	45lx	39lx	34lx	30lx	27lx	24lx	21lx	19lx
711.7fc	177.9fc	79.1fc	44.5fc	28.5fc	19.8fc	14.5fc	11.1fc	8.8fc	7.1fc	5.9fc	4.9fc	4.2fc	3.6fc	3.2fc	2.8fc	2.5fc	2.2fc	2fc	1.8fc

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°
7660	7655	7595	7411	7156	6866	6539	6125	5585	4956	4298	3630	2933	2230	1581	1065	706	486	355	267
100%	100%	99%	97%	93%	90%	85%	80%	73%	65%	56%	47%	38%	29%	21%	14%	9%	6%	5%	3%

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°
7660	7655	7595	7411	7156	6866	6539	6125	5585	4956	4298	3630	2933	2230	1581	1065	706	486	355	267
100%	100%	99%	97%	93%	90%	85%	80%	73%	65%	56%	47%	38%	29%	21%	14%	9%	6%	5%	3%

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°
7660	7655	7595	7411	7156	6866	6539	6125	5585	4956	4298	3630	2933	2230	1581	1065	706	486	355	267
100%	100%	99%	97%	93%	90%	85%	80%	73%	65%	56%	47%	38%	29%	21%	14%	9%	6%	5%	3%

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°
7660	7655	7595	7411	7156	6866	6539	6125	5585	4956	4298	3630	2933	2230	1581	1065	706	486	355	267
100%	100%	99%	97%	93%	90%	85%	80%	73%	65%	56%	47%	38%	29%	21%	14%	9%	6%	5%	3%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.4°	31.6°	40.4°	99.6%	99.5%