

Photometric / Colorimetric / Electric Report

Fixture Model:

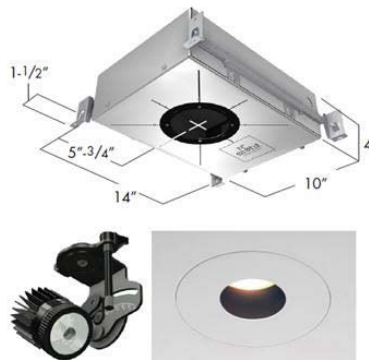
804S-J2S-TW-15T-2700K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

2721 K

CIE 1931:

x: 0.451
y: 0.397

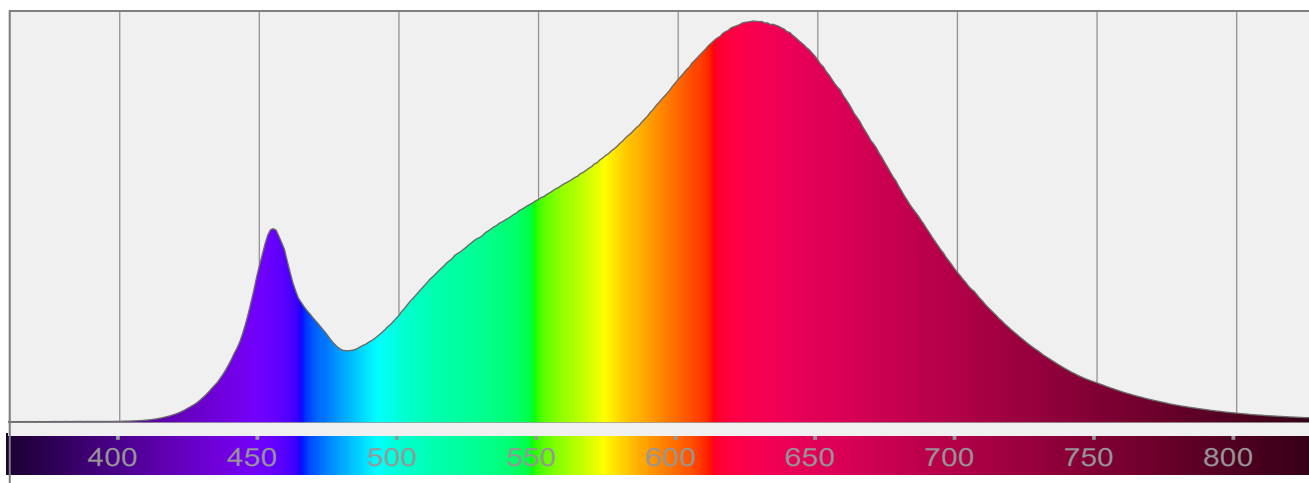
Output: 862 lm

Peak: 6485 cd

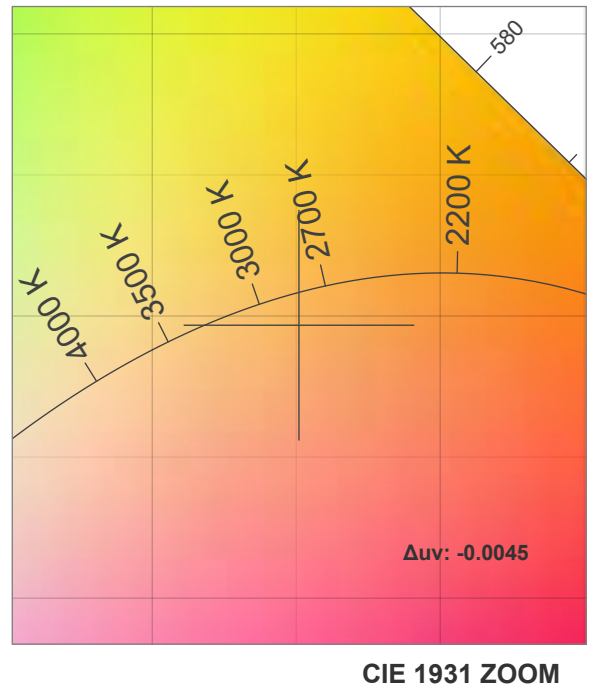
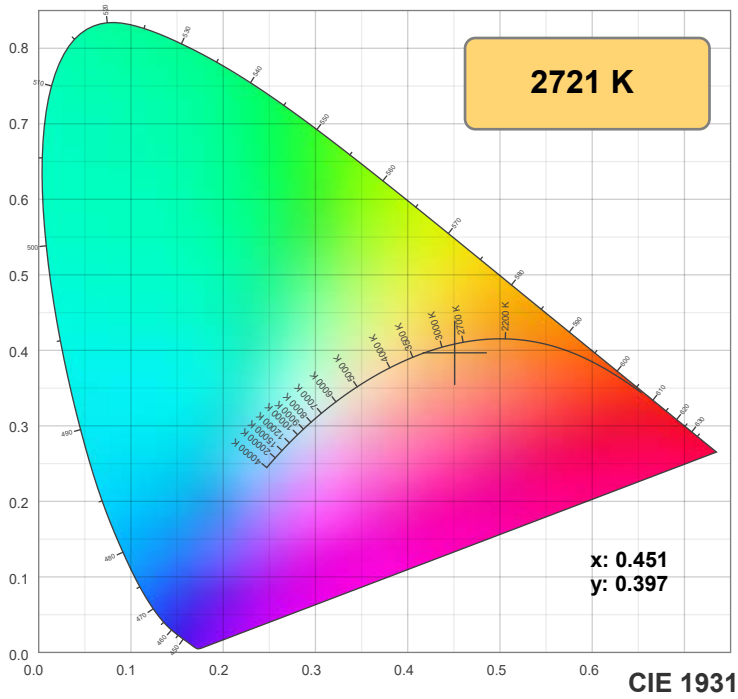
Power: 14.3 W

PF: 0.99

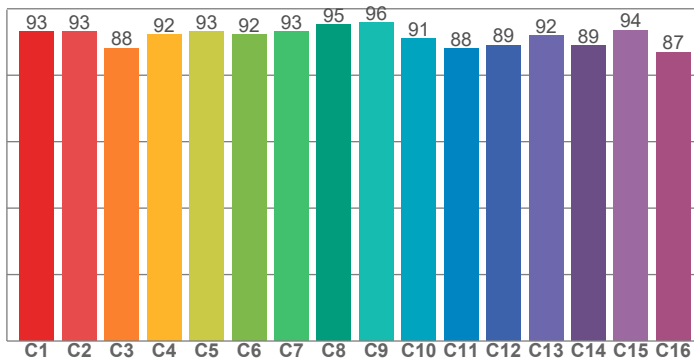
Spectra:



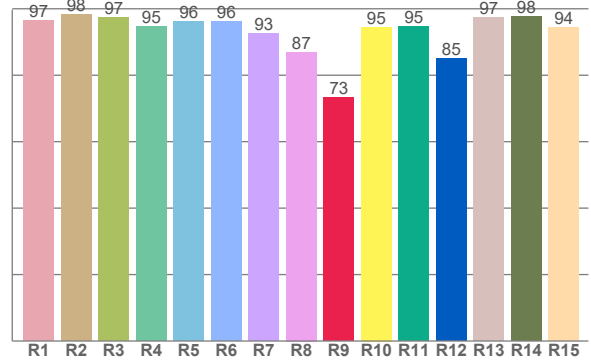
Color Details



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

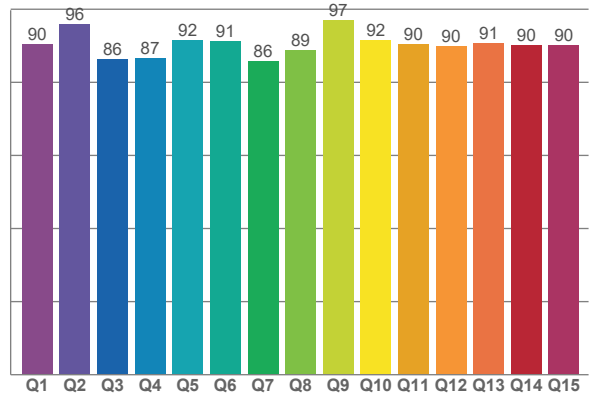
TM30 C Values:

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	90.9	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	85.9	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

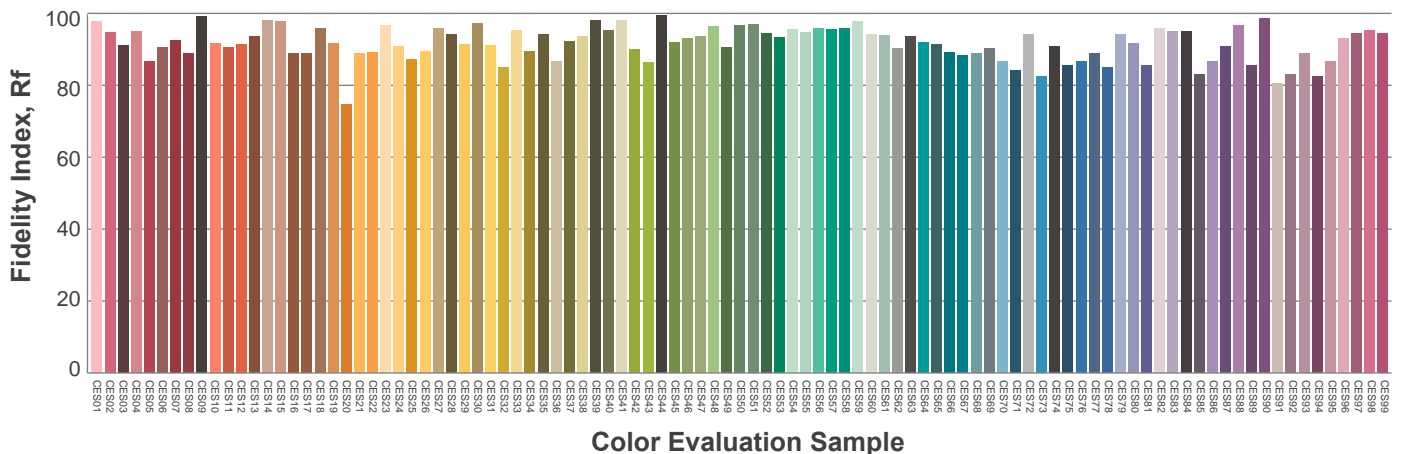
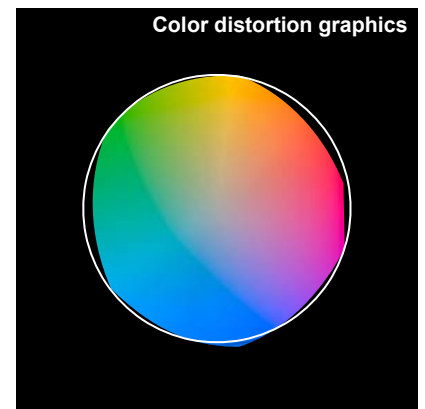
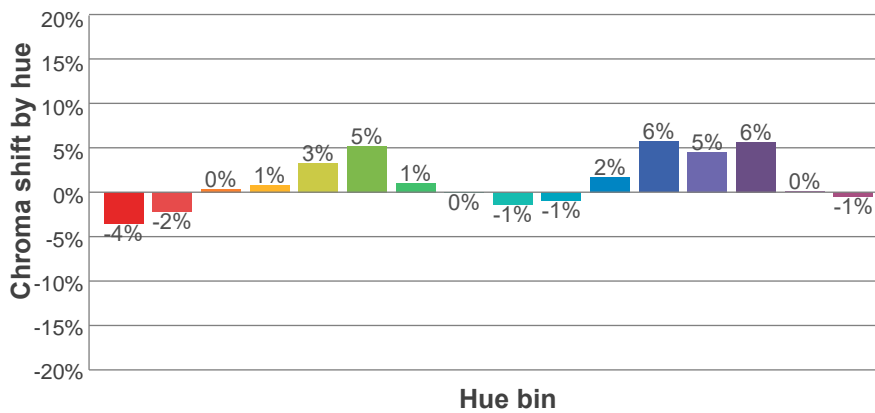
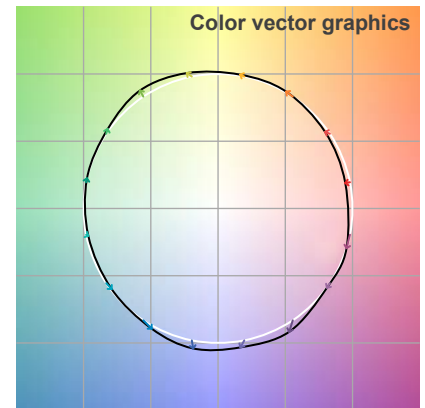
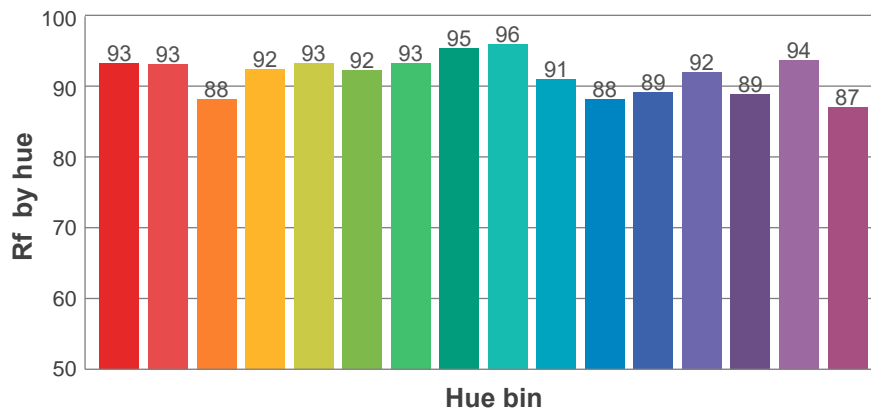
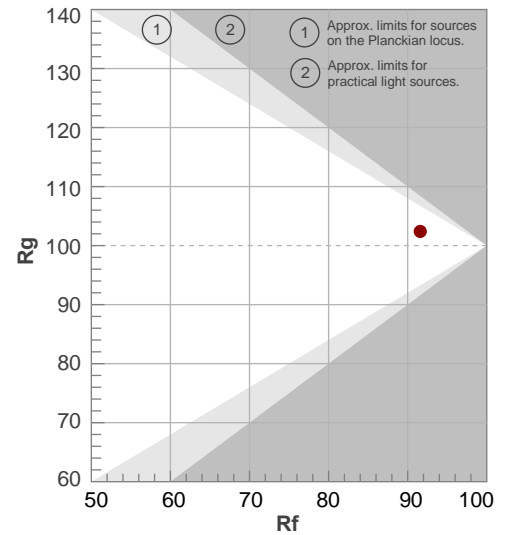
Rf 91.6

Fidelity index Rf

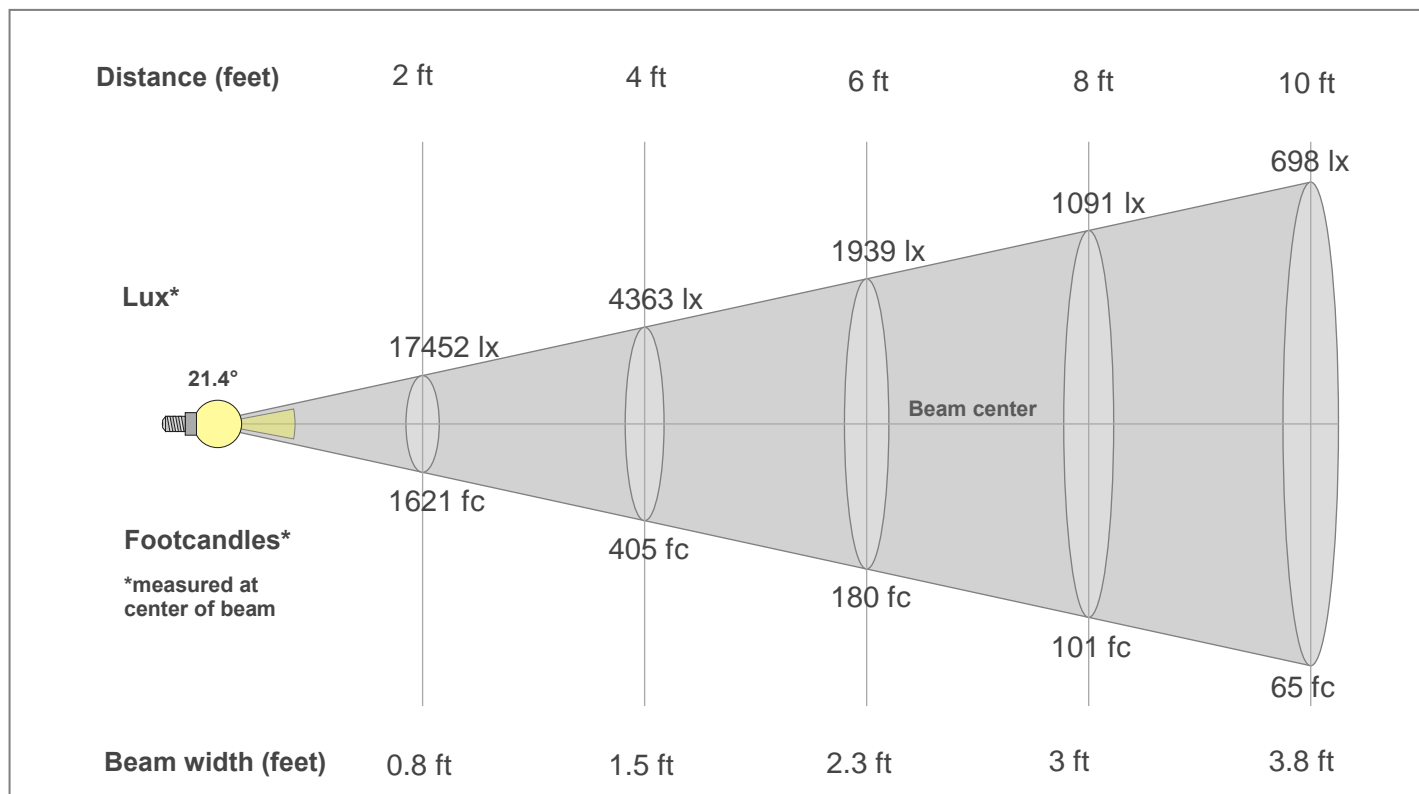
Rg 102.4

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
6485lx	1621lx	721lx	405lx	259lx	180lx	132lx	101lx	80lx	65lx	54lx	45lx	38lx	33lx	29lx	25lx	22lx	20lx	18lx	16lx
602.5fc	150.6fc	66.9fc	37.7fc	24.1fc	16.7fc	12.3fc	9.4fc	7.4fc	6fc	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°
6485	6481	6413	6270	6070	5828	5526	5155	4701	4172	3634	3091	2539	1988	1468	1020	690	476	342	252
100%	100%	99%	97%	94%	90%	85%	79%	72%	64%	56%	48%	39%	31%	23%	16%	11%	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°
6485	6481	6413	6270	6070	5828	5526	5155	4701	4172	3634	3091	2539	1988	1468	1020	690	476	342	252
100%	100%	99%	97%	94%	90%	85%	79%	72%	64%	56%	48%	39%	31%	23%	16%	11%	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°
6485	6481	6413	6270	6070	5828	5526	5155	4701	4172	3634	3091	2539	1988	1468	1020	690	476	342	252
100%	100%	99%	97%	94%	90%	85%	79%	72%	64%	56%	48%	39%	31%	23%	16%	11%	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°
6485	6481	6413	6270	6070	5828	5526	5155	4701	4172	3634	3091	2539	1988	1468	1020	690	476	342	252
100%	100%	99%	97%	94%	90%	85%	79%	72%	64%	56%	48%	39%	31%	23%	16%	11%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.4°	32.4°	41°	99.7%	99.6%