

Photometric / Colorimetric / Electric Report

Fixture Model:

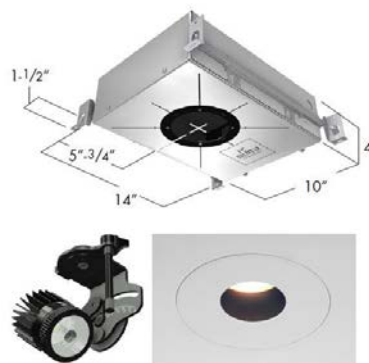
804S-J2S-TW-40-3000K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 95.5

Color temperature:

2996 K

CIE 1931:

x: 0.431
y: 0.390

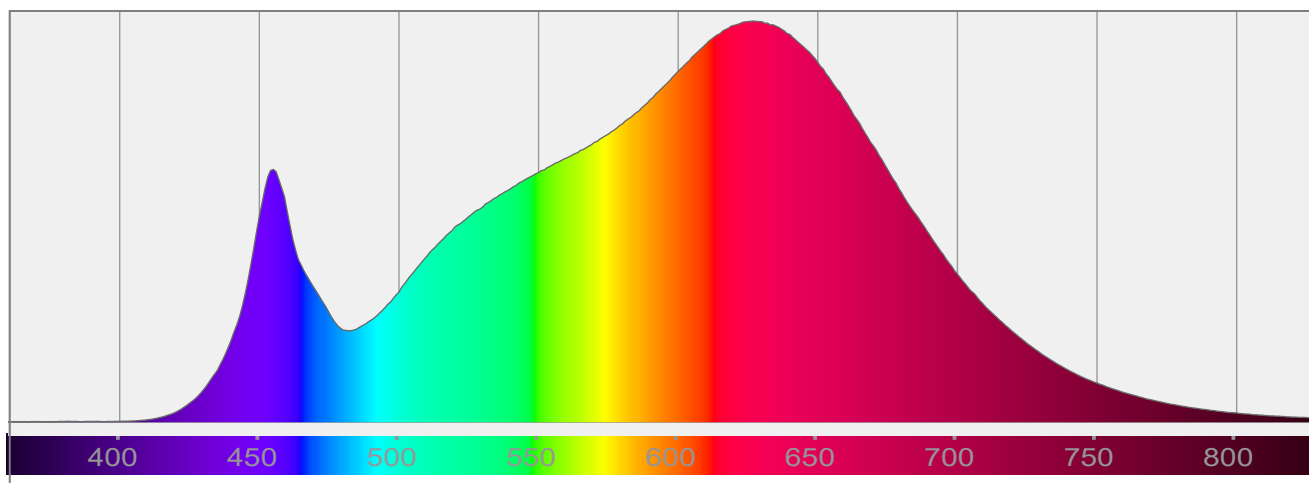
Output: 741 lm

Peak: 1724 cd

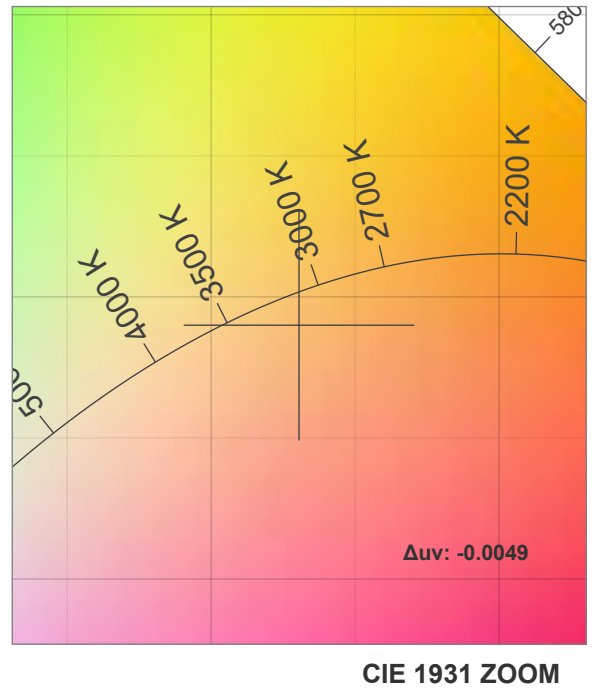
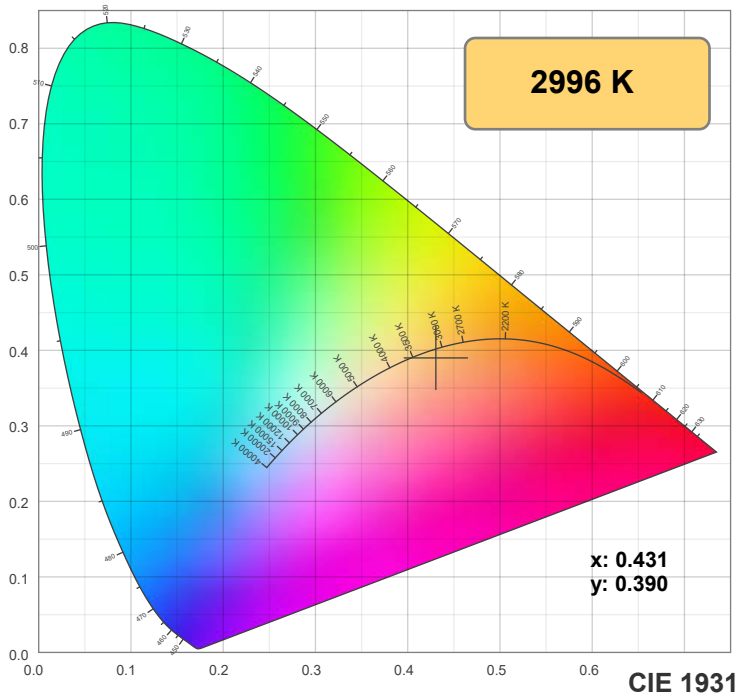
Power: 14.3 W

PF: 0.99

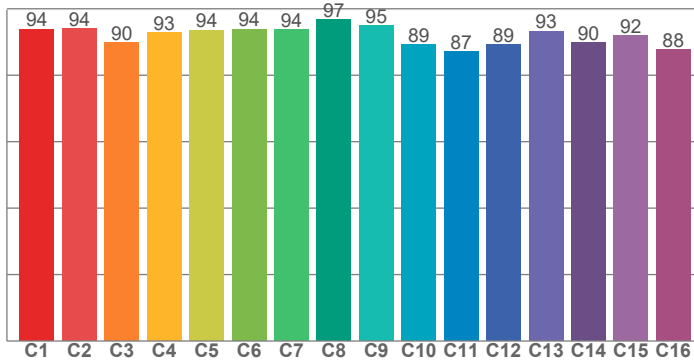
Spectra:



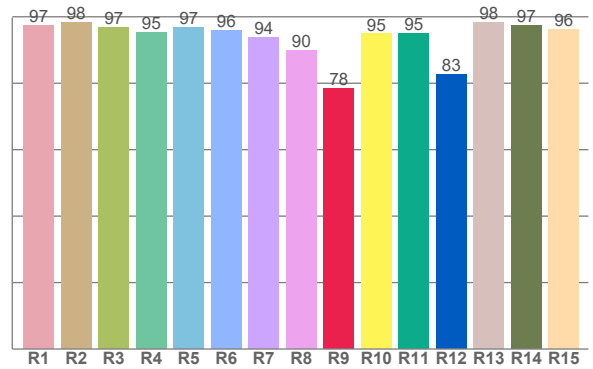
Color Details



TM-30: 92.0



CRI: 95.5 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.5	98.4	96.9	95.4	96.8	95.8	93.8	89.7	78.4	94.8	95.0	82.5	98.2	97.4	96.2

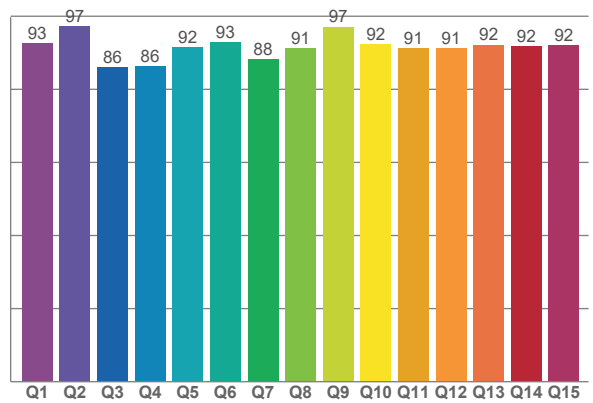
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.9	94.0	89.8	92.8	93.6	93.9	93.7	96.8	94.9	89.3	87.1	89.3	93.3	89.8	91.9	87.7

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.7	97.2	86.0	86.3	91.6	92.9	88.3	91.2	97.1	92.3	91.3	91.2	92.2	91.8	92.0

CQS: 91.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2996 K	95.5	78.4	92.0	102.0	91.0	0.431	0.390	0.253	0.343	-0.0049

TM-30 Details

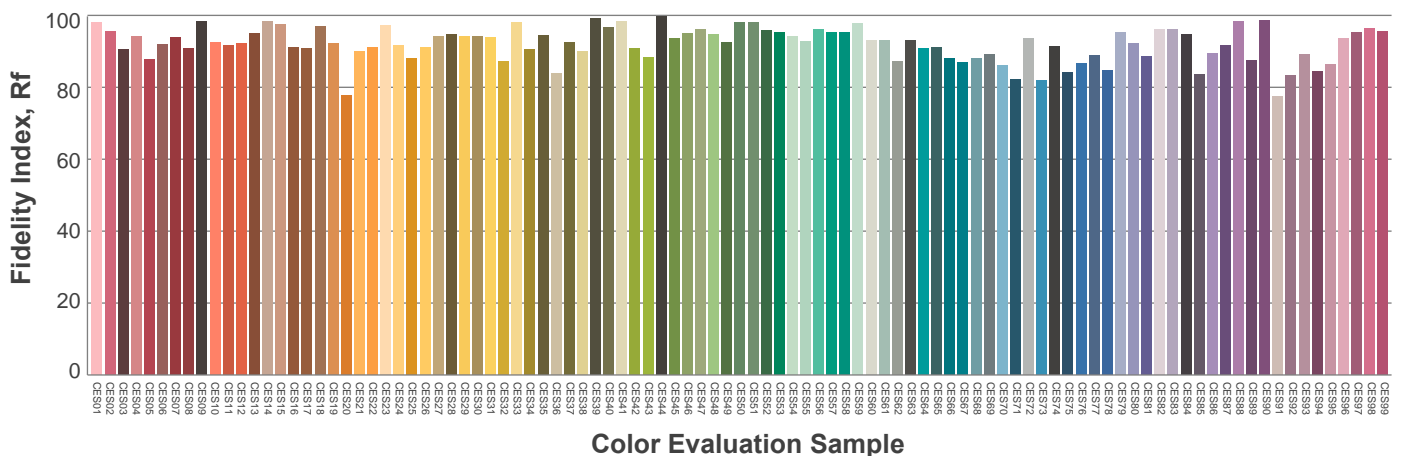
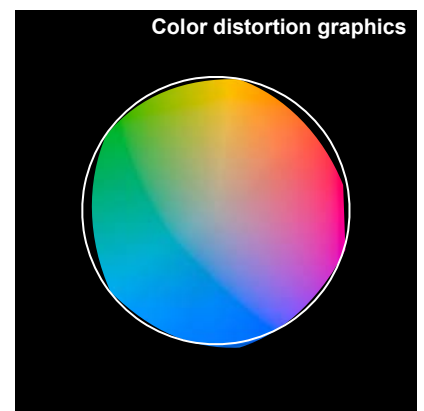
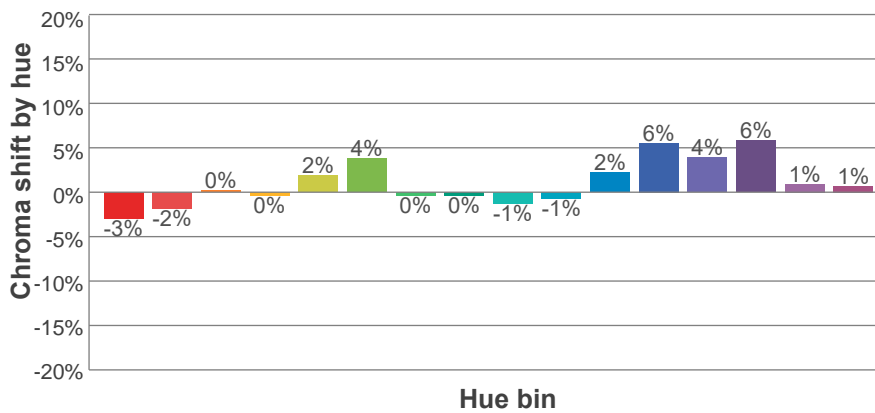
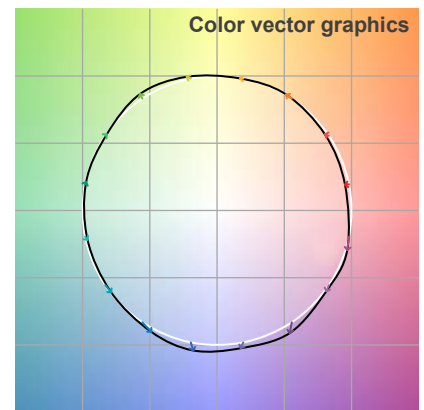
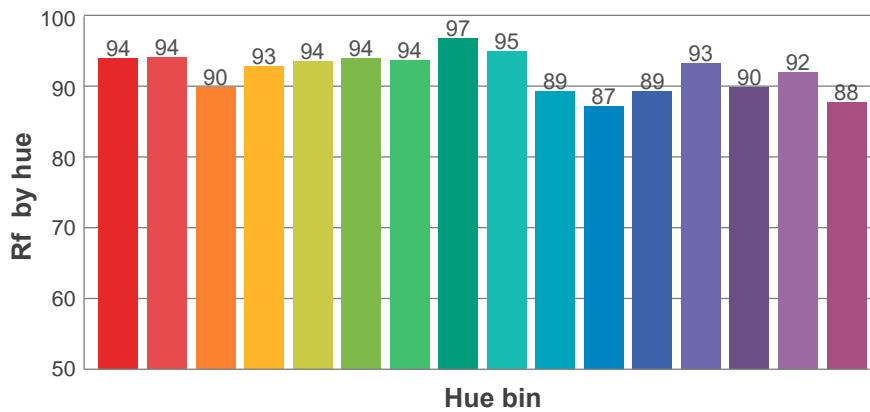
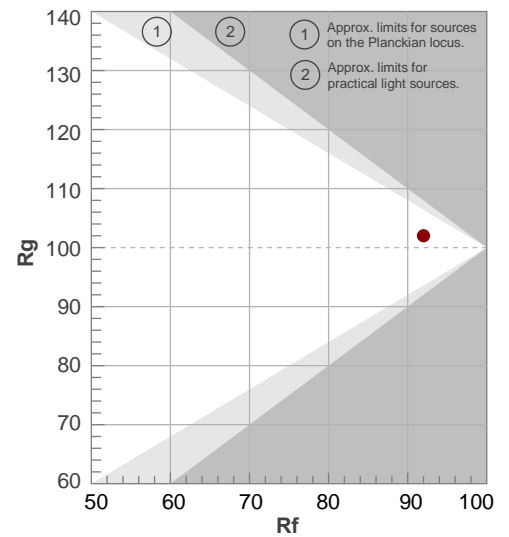
Rf 92.0

Fidelity index Rf

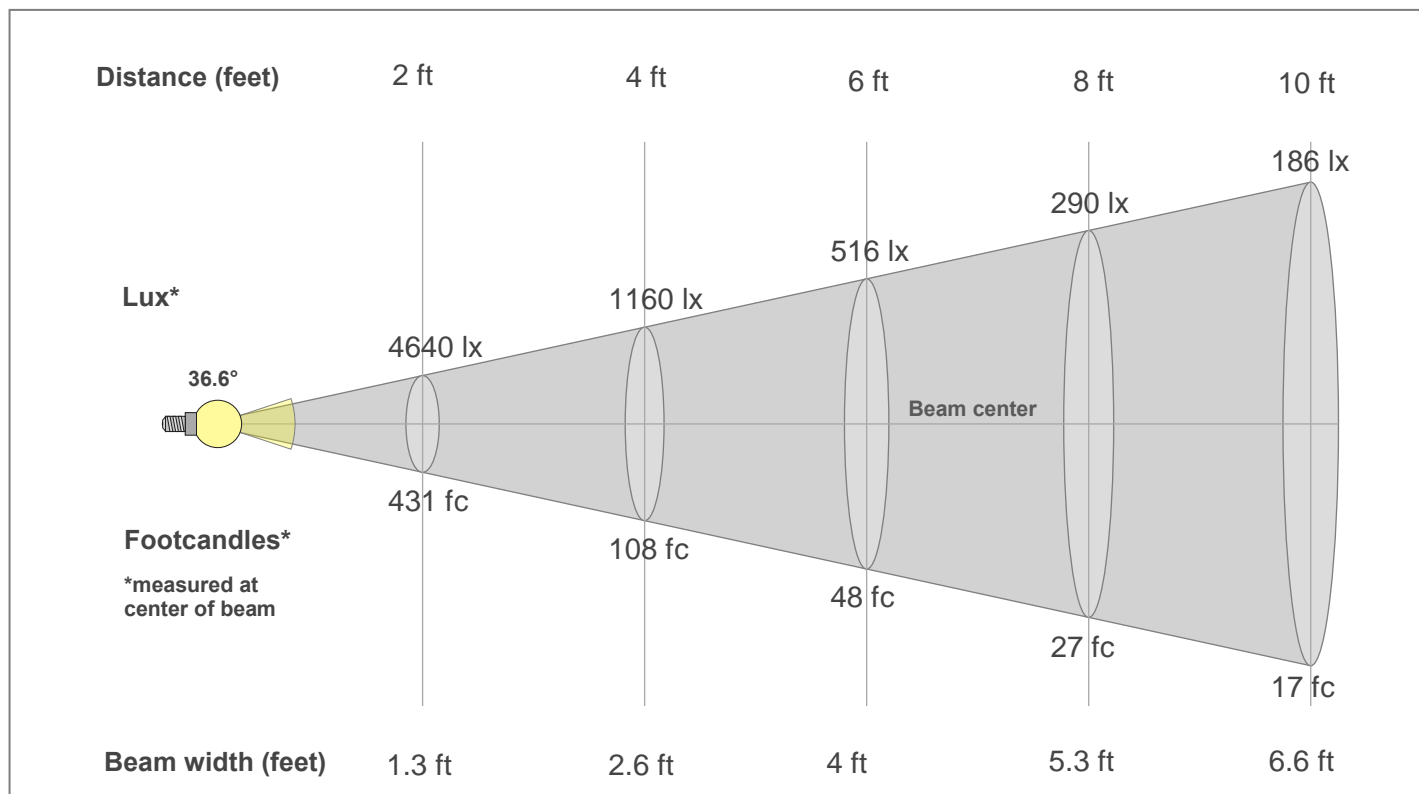
Rg 102.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	94	-2%	2%
3	90	0%	5%
4	93	0%	2%
5	94	2%	3%
6	94	4%	0%
7	94	0%	-1%
8	97	0%	-2%
9	95	-1%	3%
10	89	-1%	7%
11	87	2%	9%
12	89	6%	3%
13	93	4%	-3%
14	90	6%	-6%
15	92	1%	-5%
16	88	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
1724lx	431lx	192lx	108lx	69lx	48lx	35lx	27lx	21lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
160.2fc	40fc	17.8fc	10fc	6.4fc	4.4fc	3.3fc	2.5fc	2fc	1.6fc	1.3fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc	0.5fc	0.4fc	0.4fc

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°
1724	1711	1671	1609	1525	1423	1306	1177	1033	883	735	596	471	367	284	220	169	131	101	77
100%	99%	97%	93%	88%	83%	76%	68%	60%	51%	43%	35%	27%	21%	16%	13%	10%	8%	6%	4%

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°
1724	1711	1671	1609	1525	1423	1306	1177	1033	883	735	596	471	367	284	220	169	131	101	77
100%	99%	97%	93%	88%	83%	76%	68%	60%	51%	43%	35%	27%	21%	16%	13%	10%	8%	6%	4%

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°
1724	1711	1671	1609	1525	1423	1306	1177	1033	883	735	596	471	367	284	220	169	131	101	77
100%	99%	97%	93%	88%	83%	76%	68%	60%	51%	43%	35%	27%	21%	16%	13%	10%	8%	6%	4%

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°
1724	1711	1671	1609	1525	1423	1306	1177	1033	883	735	596	471	367	284	220	169	131	101	77
100%	99%	97%	93%	88%	83%	76%	68%	60%	51%	43%	35%	27%	21%	16%	13%	10%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
36.6°	63.7°	83.5°	99.8%	99.0%