

Photometric / Colorimetric / Electric Report

Fixture Model:

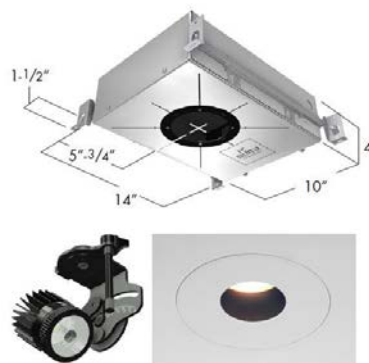
804S-J2S-TW-40-2700K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 94.9

Color temperature:

2731 K

CIE 1931:

x: 0.450
y: 0.396

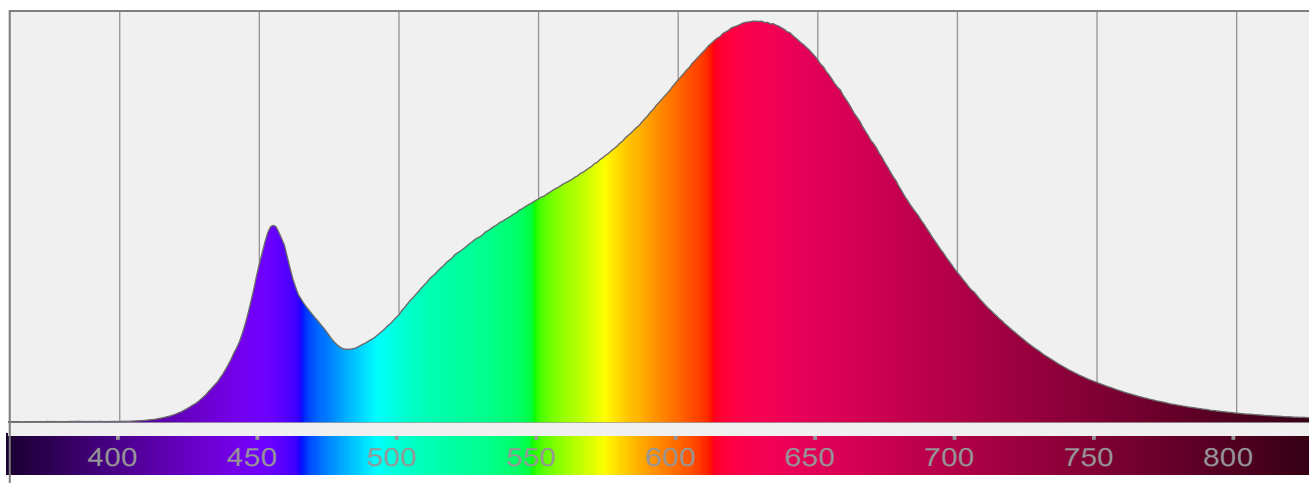
Output: 695 lm

Peak: 1620 cd

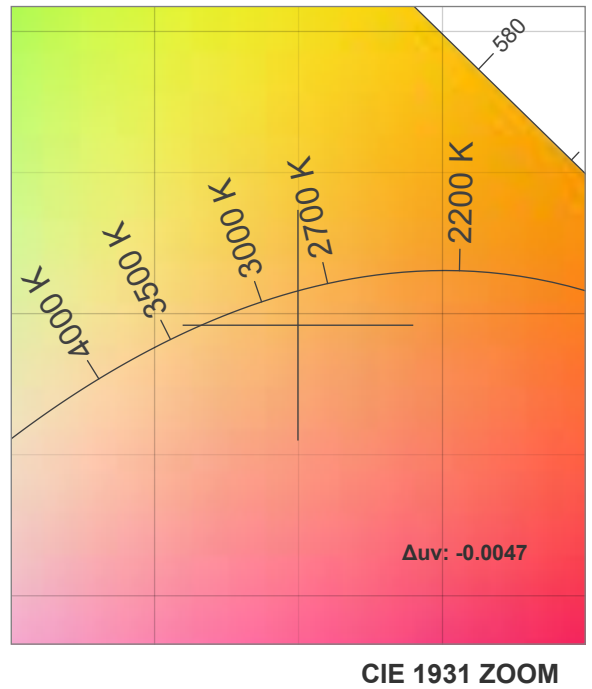
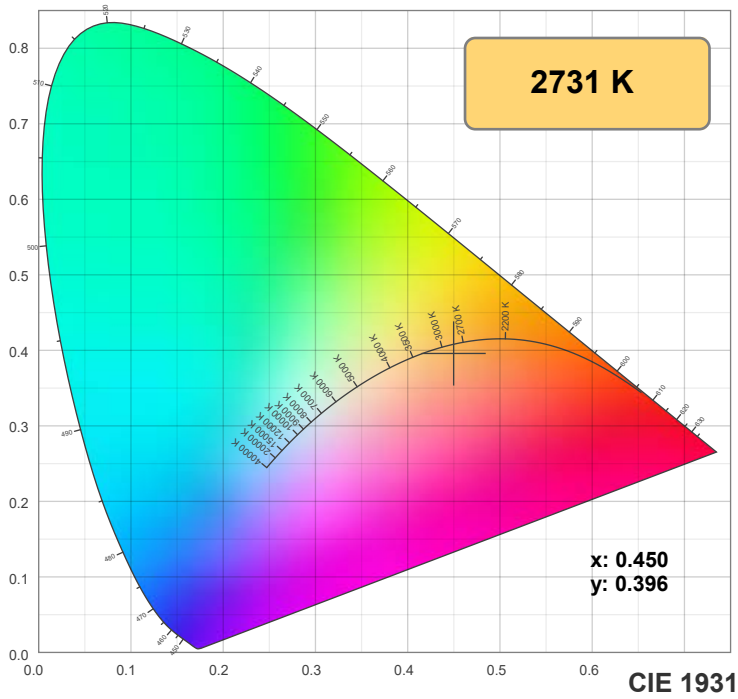
Power: 14.2 W

PF: 0.99

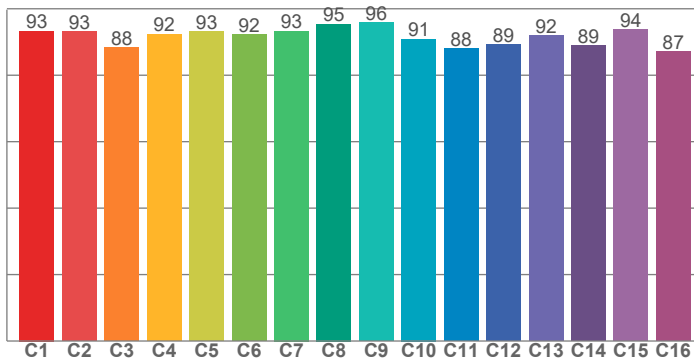
Spectra:



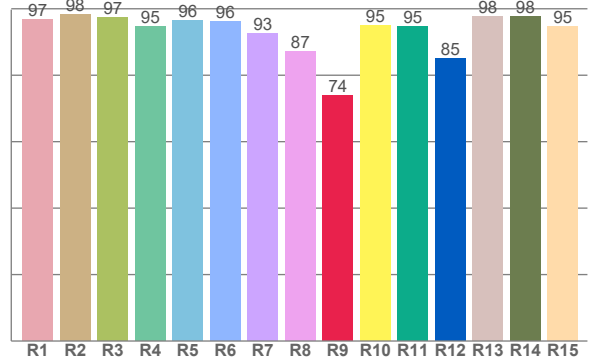
Color Details



TM-30: 91.6



CRI: 94.9 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96.8	98.4	97.4	94.7	96.4	96.1	92.5	87.2	73.9	94.9	94.8	85.1	97.7	97.7	94.6

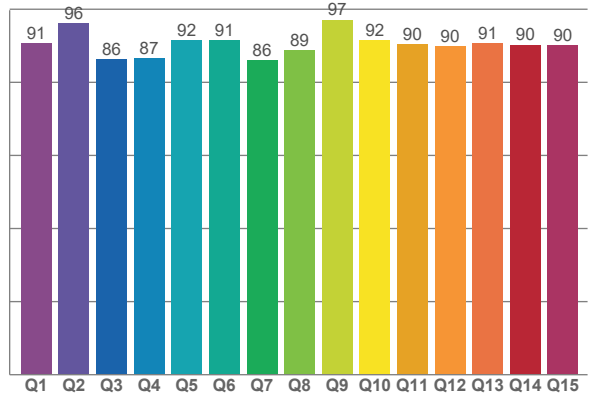
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.3	93.2	88.3	92.4	93.2	92.3	93.3	95.4	95.8	90.9	88.1	89.1	92.0	88.9	93.7	87.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.6	96.1	86.3	86.6	91.6	91.4	85.9	88.9	97.1	91.6	90.4	89.9	90.6	90.3	90.2

CQS: 89.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2731 K	94.9	73.9	91.6	102.4	89.9	0.450	0.396	0.263	0.347	-0.0047

TM-30 Details

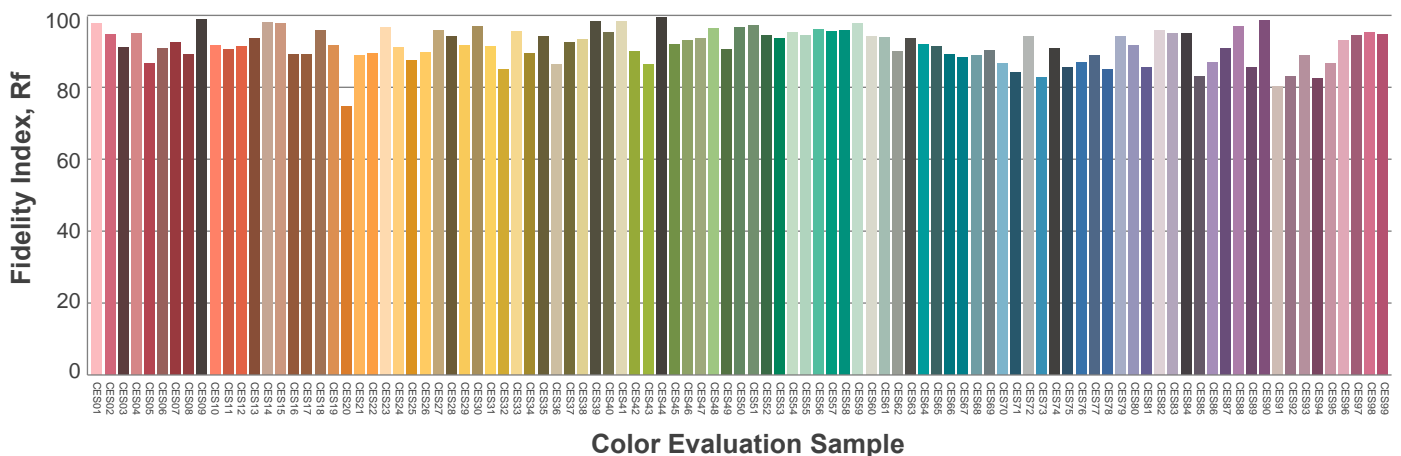
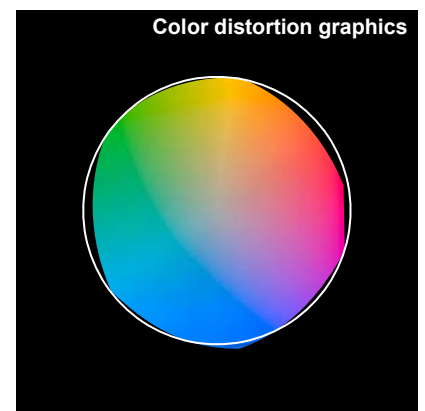
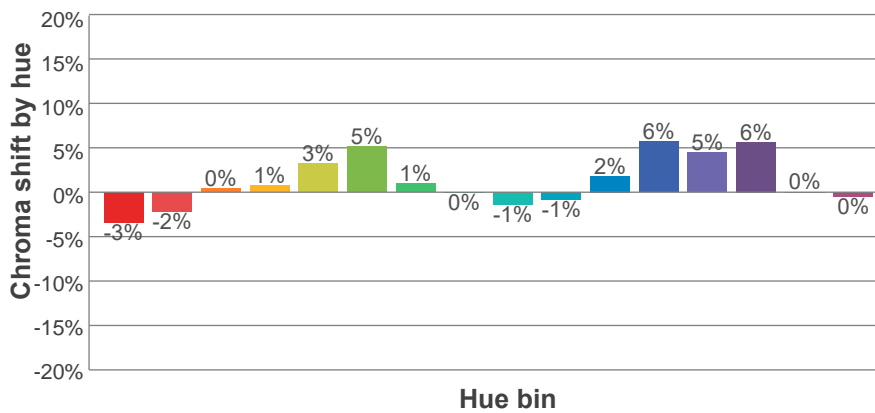
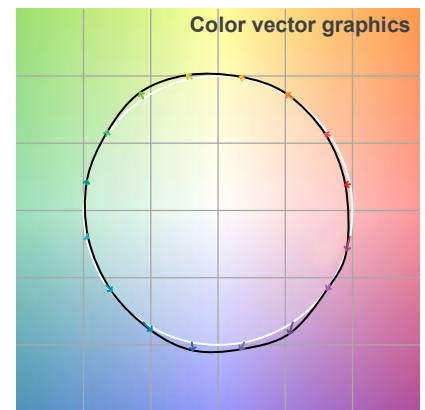
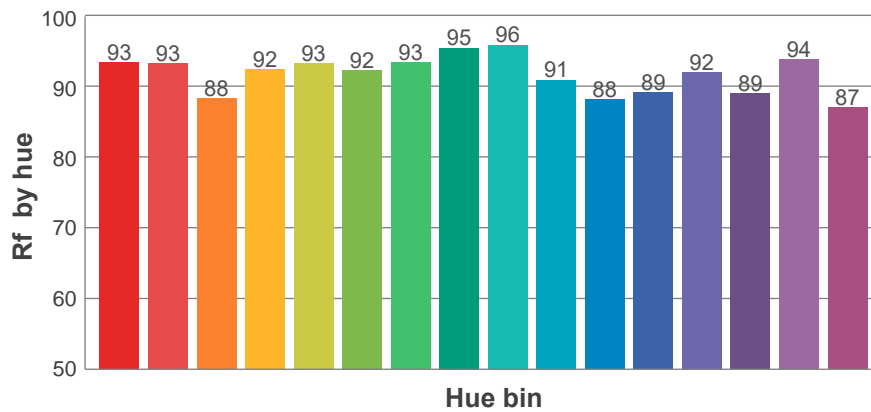
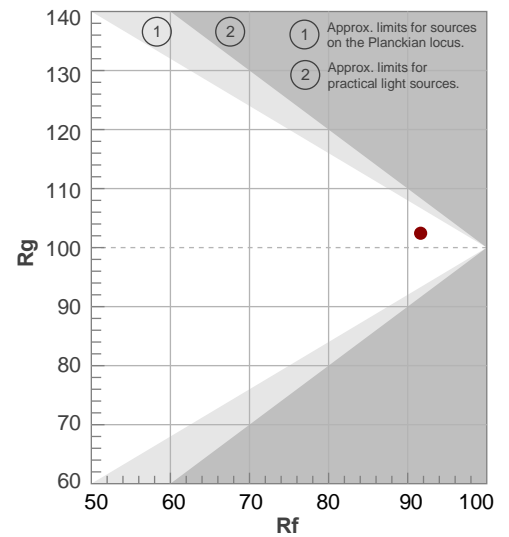
Rf 91.6

Fidelity index Rf

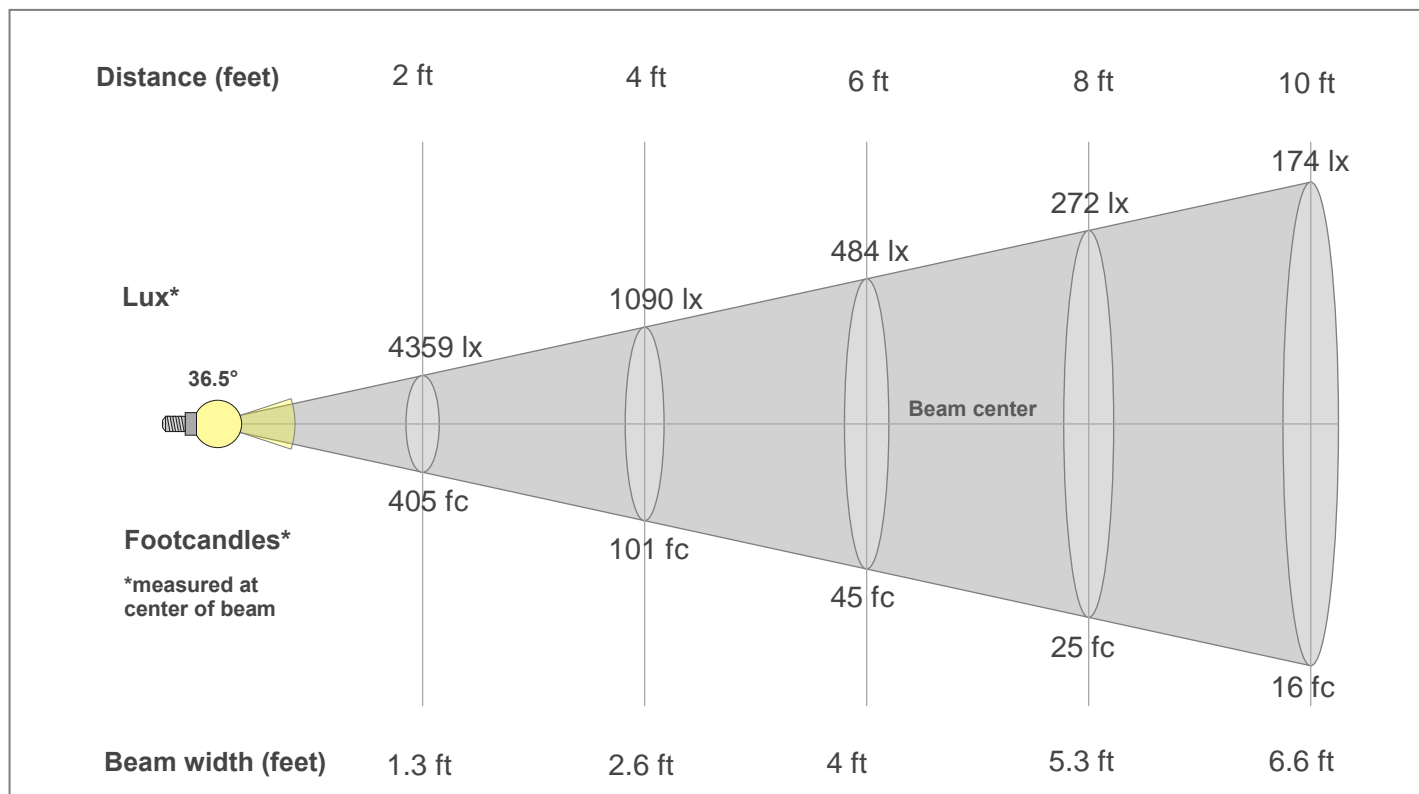
Rg 102.4

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	93	-2%	3%
3	88	0%	6%
4	92	1%	3%
5	93	3%	3%
6	92	5%	0%
7	93	1%	-3%
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	0%	-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
1620lx	405lx	180lx	101lx	65lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
150.5fc	37.6fc	16.7fc	9.4fc	6fc	4.2fc	3.1fc	2.4fc	1.9fc	1.5fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	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°
1620	1610	1574	1513	1435	1339	1228	1105	969	829	689	560	443	345	268	206	159	123	94	72
100%	99%	97%	93%	89%	83%	76%	68%	60%	51%	43%	35%	27%	21%	17%	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°
1620	1610	1574	1513	1435	1339	1228	1105	969	829	689	560	443	345	268	206	159	123	94	72
100%	99%	97%	93%	89%	83%	76%	68%	60%	51%	43%	35%	27%	21%	17%	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°
1620	1610	1574	1513	1435	1339	1228	1105	969	829	689	560	443	345	268	206	159	123	94	72
100%	99%	97%	93%	89%	83%	76%	68%	60%	51%	43%	35%	27%	21%	17%	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°
1620	1610	1574	1513	1435	1339	1228	1105	969	829	689	560	443	345	268	206	159	123	94	72
100%	99%	97%	93%	89%	83%	76%	68%	60%	51%	43%	35%	27%	21%	17%	13%	10%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
36.5°	63.7°	83.4°	99.8%	99.1%