

Photometric / Colorimetric / Electric Report

Fixture Model:

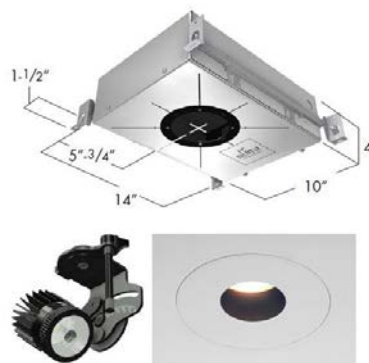
804S-J2S-TW-15T-2200K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

7/28/2020



Light efficiency:

51 Lumen/Watt

Light quality:

CRI: 91.6

Color temperature:

2225 K

CIE 1931:

x: 0.501
y: 0.412

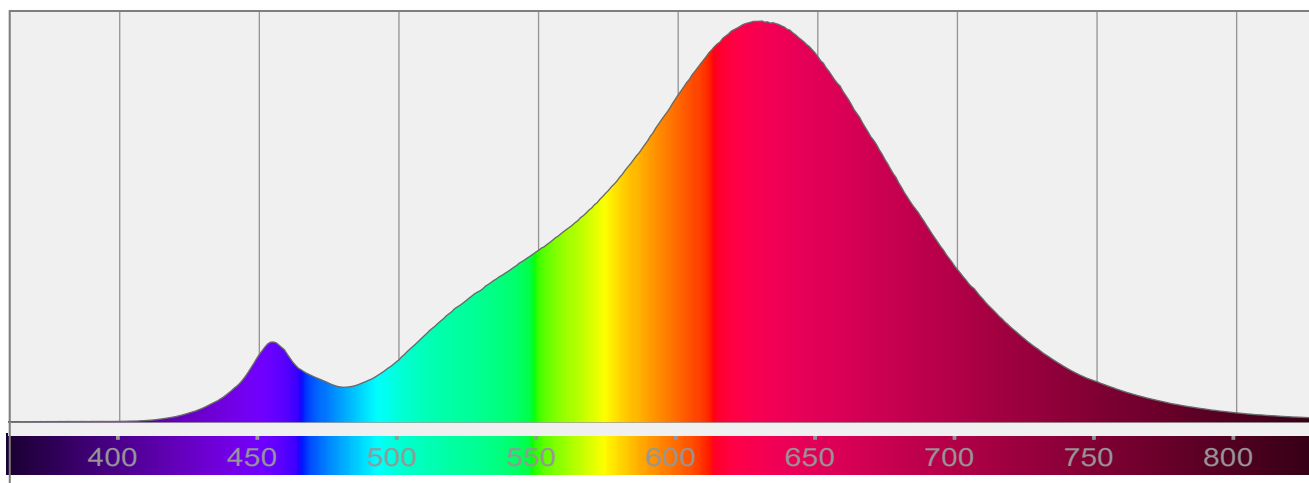
Output: 720 lm

Peak: 5362 cd

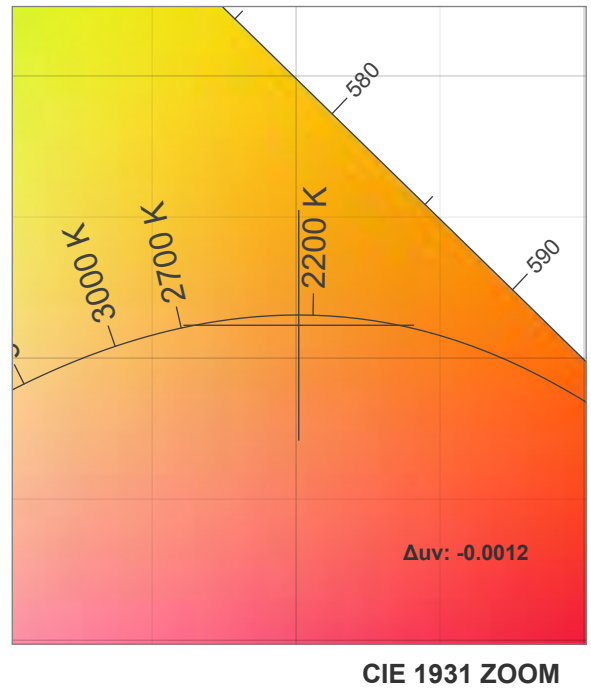
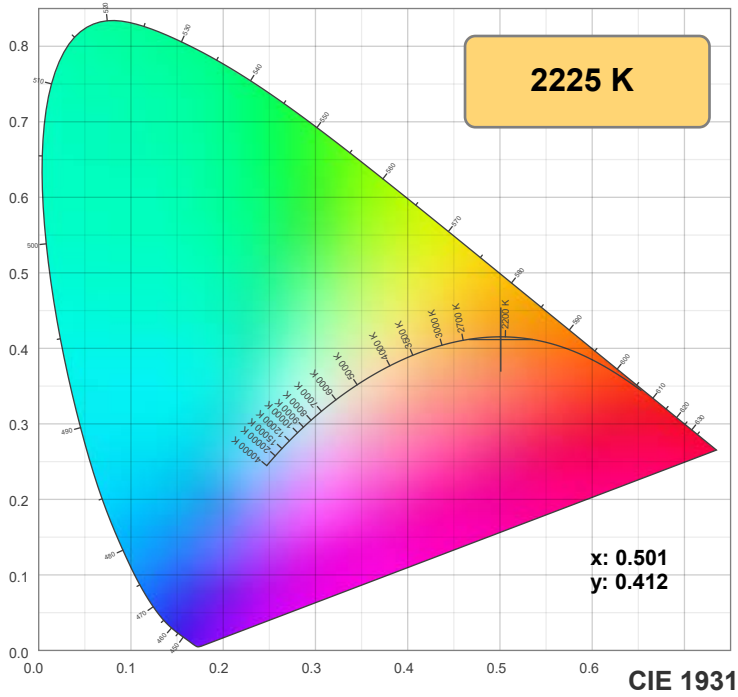
Power: 14.2 W

PF: 0.99

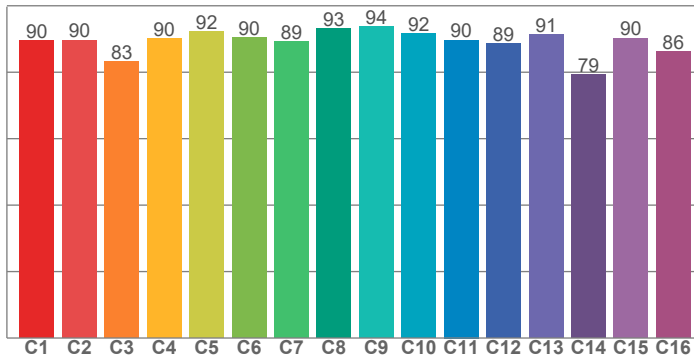
Spectra:



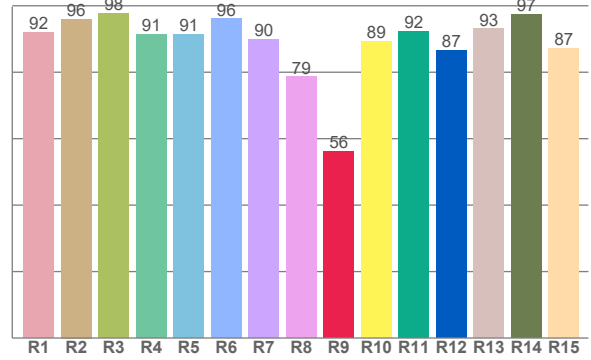
Color Details



TM-30: 89.7



CRI: 91.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.9	96.0	97.6	91.3	91.3	96.0	89.9	78.6	56.1	89.2	92.1	86.6	93.0	97.3	87.3

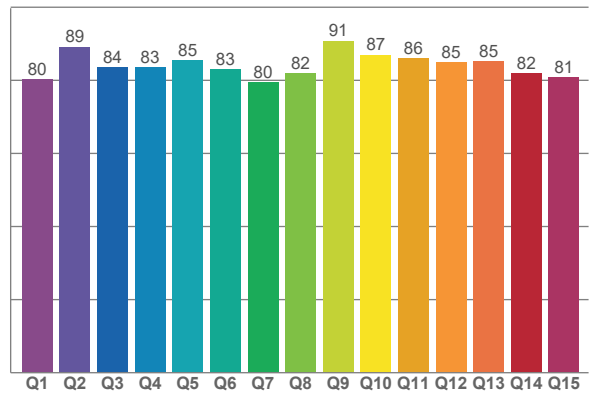
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.6	89.7	83.3	90.2	92.3	90.4	89.1	93.3	93.8	91.6	89.7	88.5	91.3	79.3	90.3	86.3

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.3	89.2	83.7	83.5	85.5	83.0	79.6	81.9	90.8	87.0	86.0	85.0	85.1	81.8	80.8

CQS: 83.7



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2225 K	91.6	56.1	89.7	102.3	83.7	0.501	0.412	0.289	0.356	-0.0012

TM-30 Details

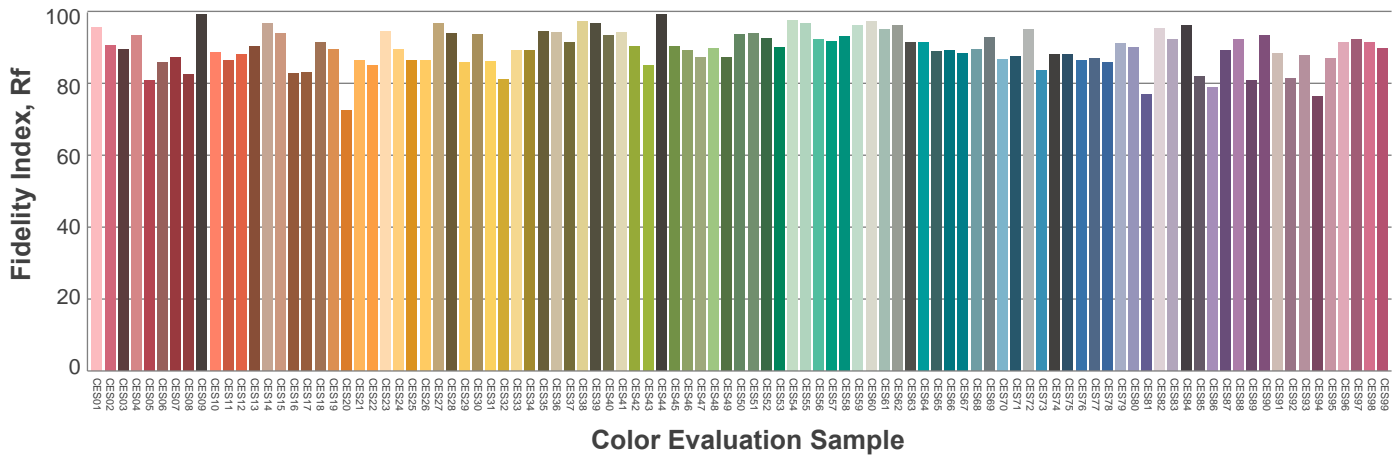
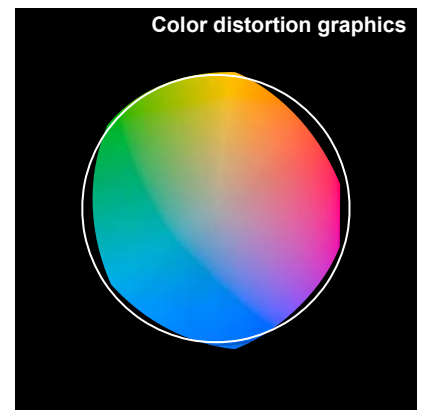
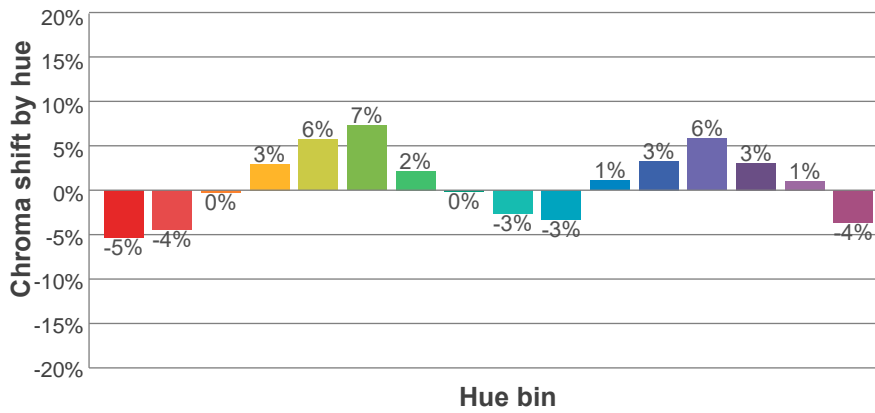
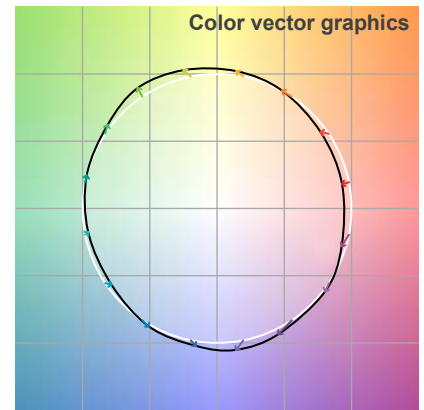
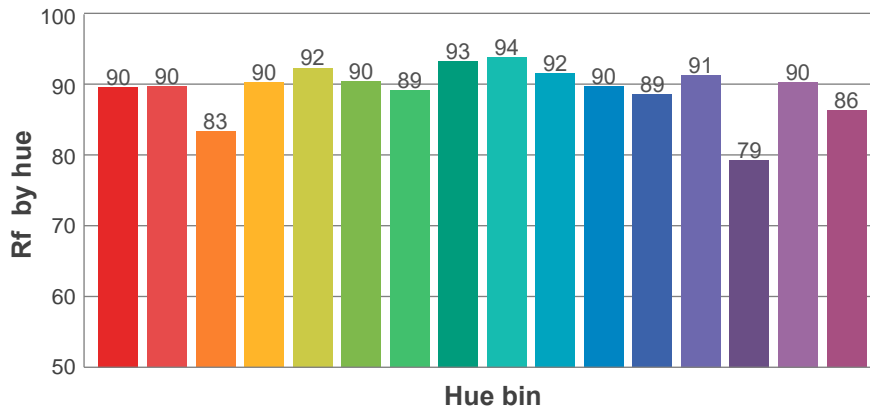
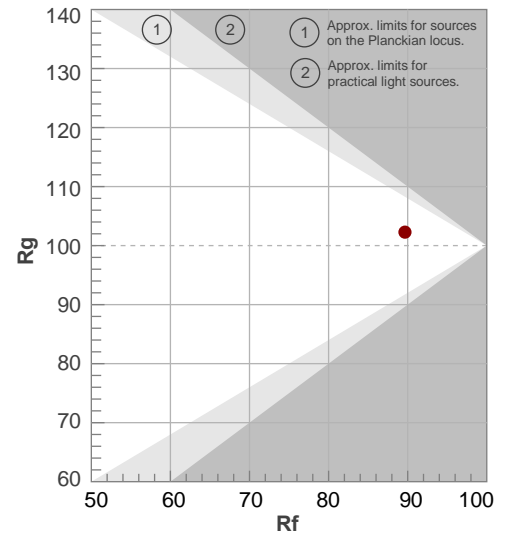
Rf 89.7

Fidelity index Rf

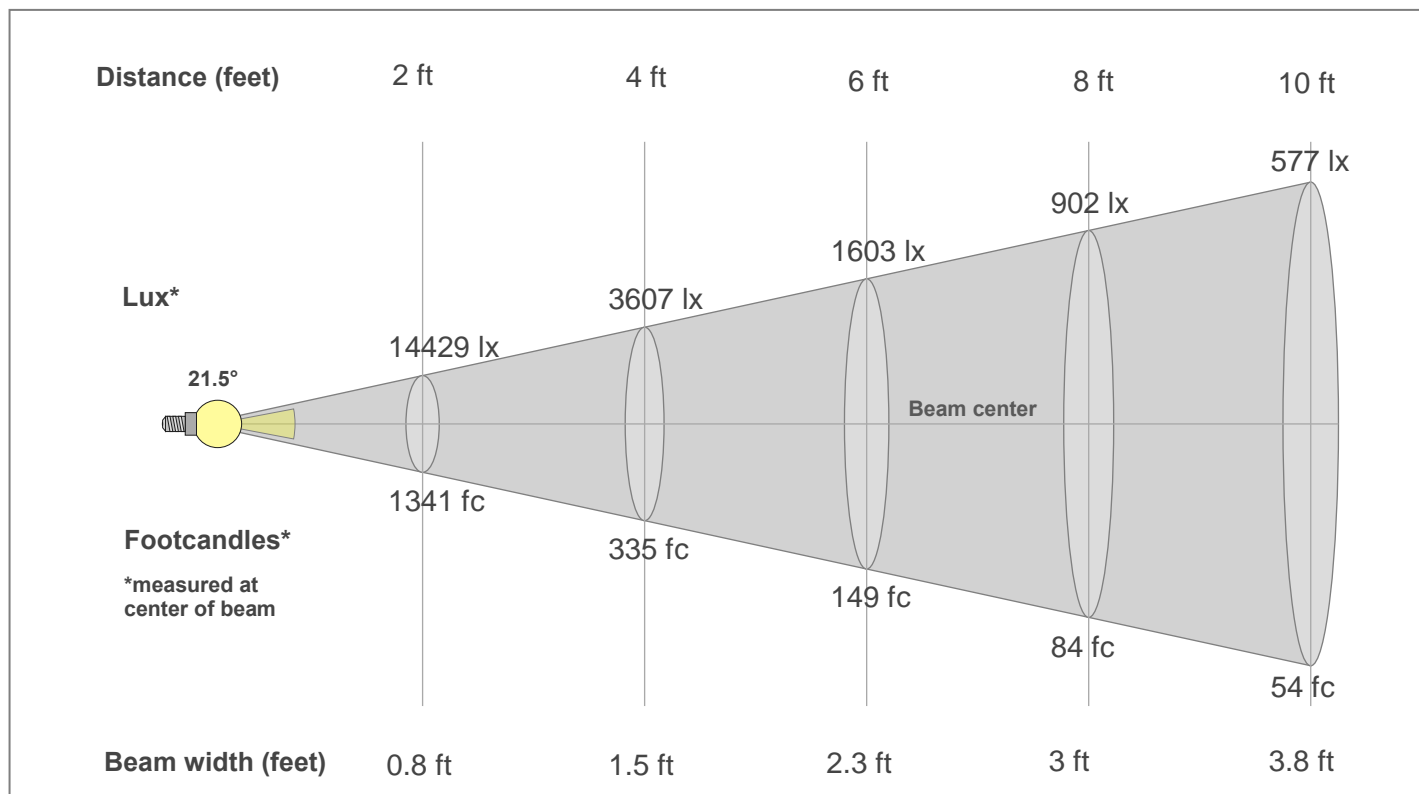
Rg 102.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	90	-4%	4%
3	83	0%	8%
4	90	3%	6%
5	92	6%	4%
6	90	7%	-1%
7	89	2%	-7%
8	93	0%	-5%
9	94	-3%	-2%
10	92	-3%	4%
11	90	1%	7%
12	89	3%	5%
13	91	6%	-7%
14	79	3%	-14%
15	90	1%	-7%
16	86	-4%	-9%



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
5362lx	1341lx	596lx	335lx	214lx	149lx	109lx	84lx	66lx	54lx	44lx	37lx	32lx	27lx	24lx	21lx	19lx	17lx	15lx	13lx
498.2fc	124.5fc	55.4fc	31.1fc	19.9fc	13.8fc	10.2fc	7.8fc	6.2fc	5fc	4.1fc	3.5fc	2.9fc	2.5fc	2.2fc	1.9fc	1.7fc	1.5fc	1.4fc	1.2fc

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°
5362	5339	5271	5157	5007	4823	4565	4245	3862	3435	3002	2568	2124	1680	1258	887	609	421	300	220
100%	100%	98%	96%	93%	90%	85%	79%	72%	64%	56%	48%	40%	31%	23%	17%	11%	8%	6%	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°
5362	5339	5271	5157	5007	4823	4565	4245	3862	3435	3002	2568	2124	1680	1258	887	609	421	300	220
100%	100%	98%	96%	93%	90%	85%	79%	72%	64%	56%	48%	40%	31%	23%	17%	11%	8%	6%	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°
5362	5339	5271	5157	5007	4823	4565	4245	3862	3435	3002	2568	2124	1680	1258	887	609	421	300	220
100%	100%	98%	96%	93%	90%	85%	79%	72%	64%	56%	48%	40%	31%	23%	17%	11%	8%	6%	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°
5362	5339	5271	5157	5007	4823	4565	4245	3862	3435	3002	2568	2124	1680	1258	887	609	421	300	220
100%	100%	98%	96%	93%	90%	85%	79%	72%	64%	56%	48%	40%	31%	23%	17%	11%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.5°	32.7°	41.4°	99.7%	99.6%