

Photometric / Colorimetric / Electric Report

Fixture Model:

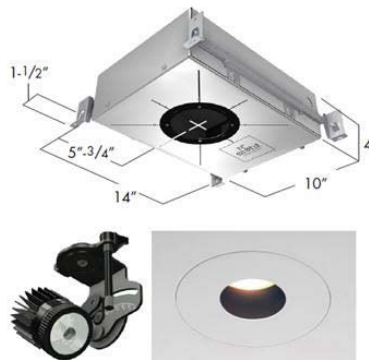
804S-J2S-TW-15T-4700K-EL3-8-700-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

1/18/2022



Light efficiency:

58 Lumen/Watt

Light quality:

CRI: 91.5

Color temperature:

4636 K

CIE 1931:

x: 0.357
y: 0.367

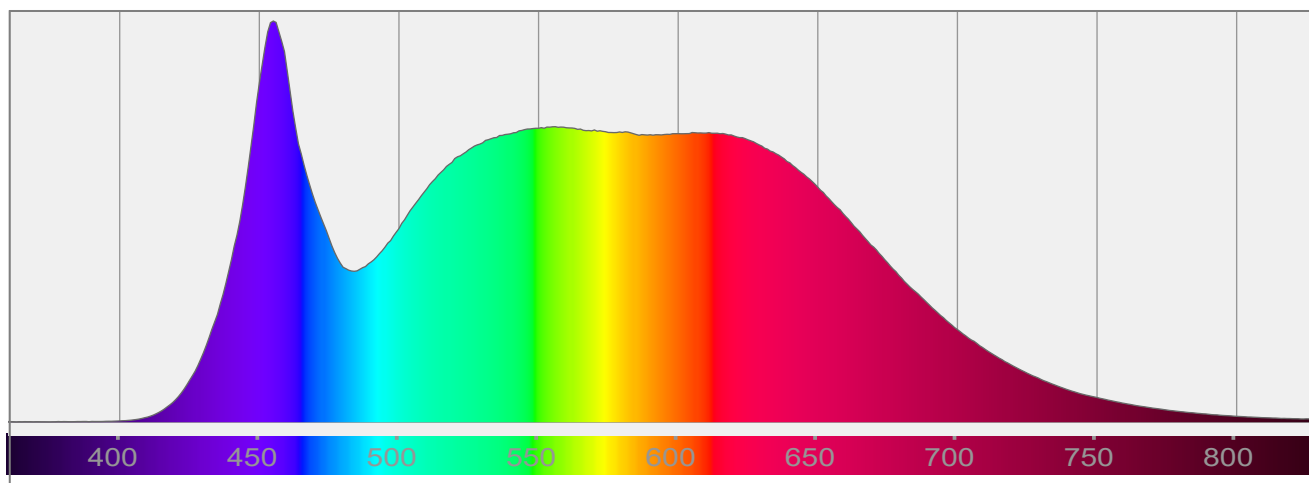
Output: 837 lm

Peak: 6154 cd

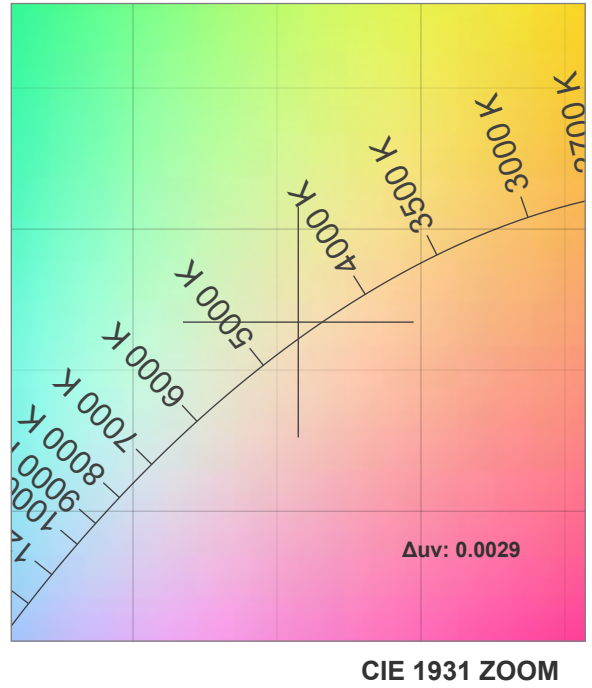
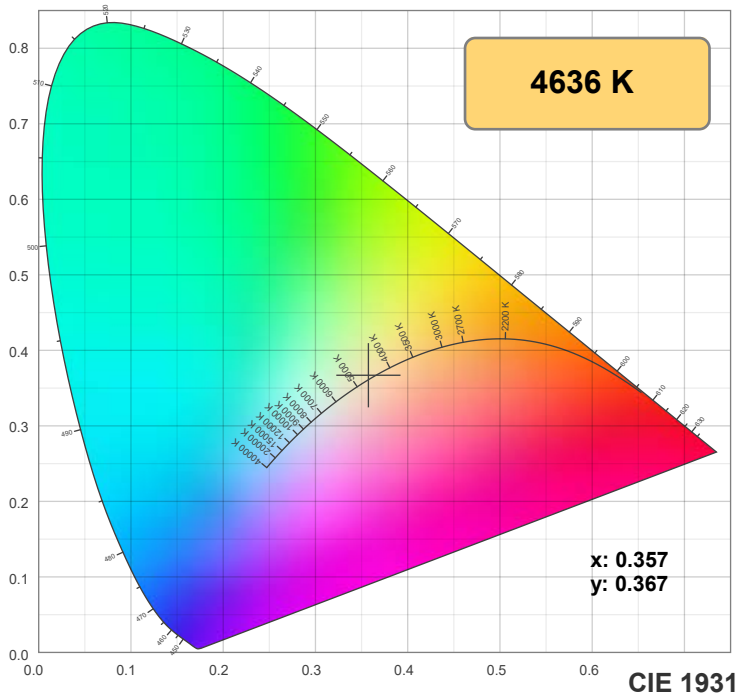
Power: 14.5 W

PF: 0.99

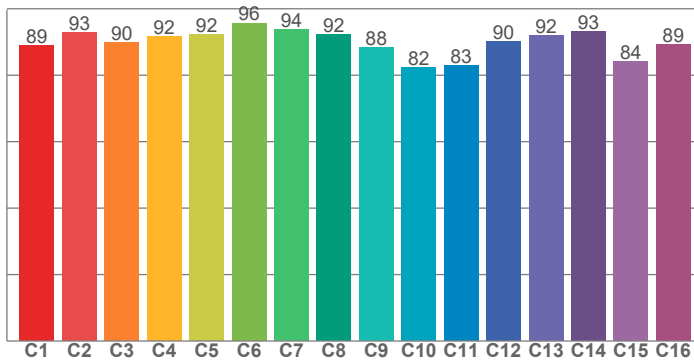
Spectra:



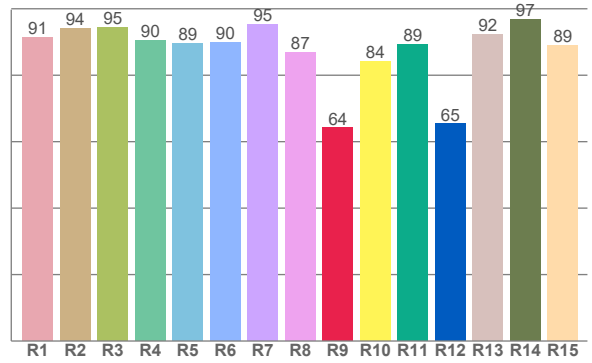
Color Details



TM-30: 89.8



CRI: 91.5 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91.3	94.1	94.5	90.4	89.4	90.0	95.4	86.8	64.1	84.0	89.3	65.3	92.2	96.7	88.9

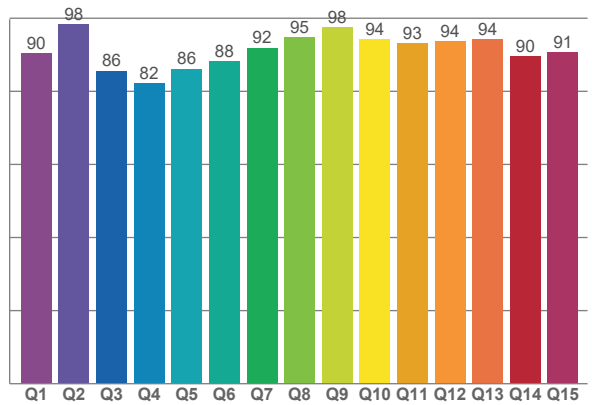
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.0	92.7	89.9	91.6	92.2	95.7	93.7	92.3	88.2	82.3	82.8	90.1	92.1	93.2	84.2	89.2

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.4	98.3	85.6	82.2	86.2	88.2	91.9	94.7	97.6	94.2	93.0	93.8	94.2	89.7	90.6

CQS: 90.3



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
4636 K	91.5	64.1	89.8	97.8	90.3	0.357	0.367	0.214	0.329	0.0029

TM-30 Details

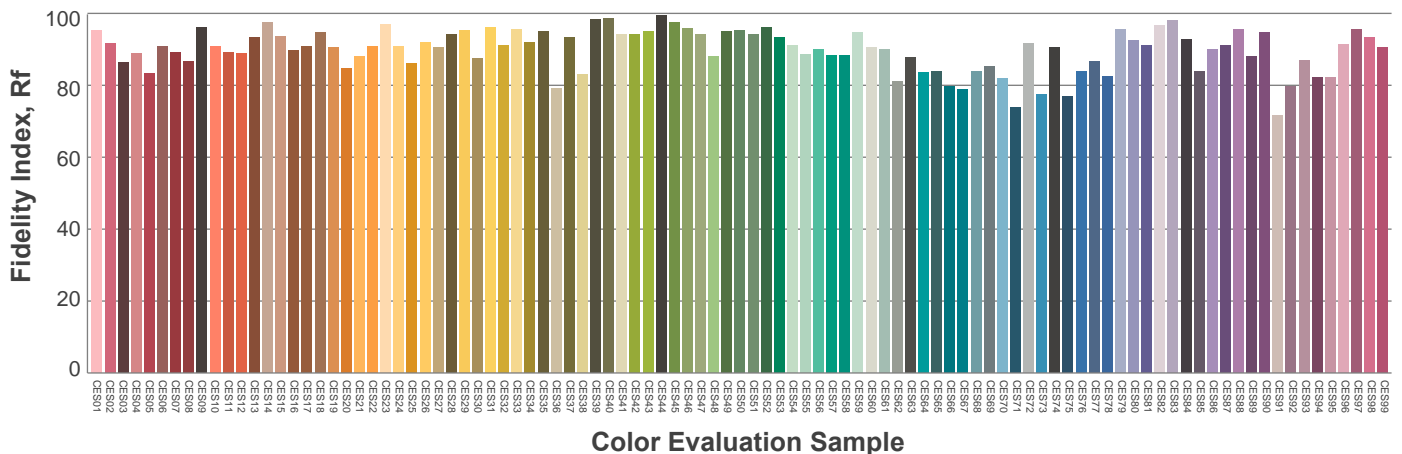
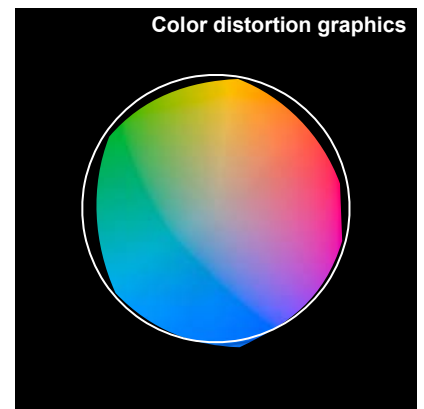
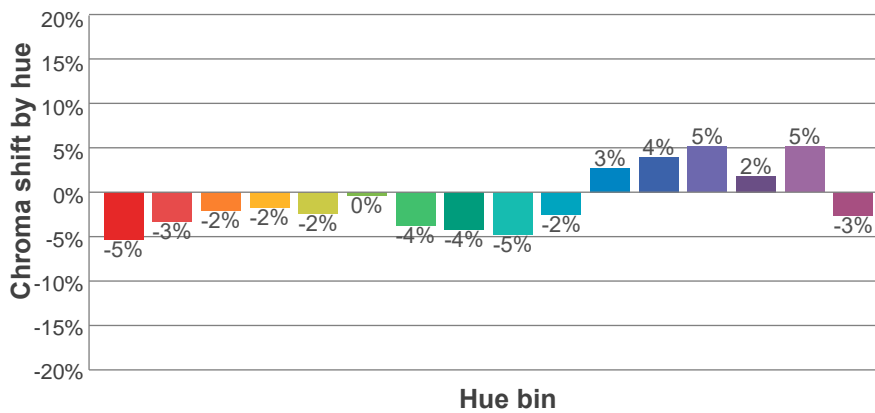
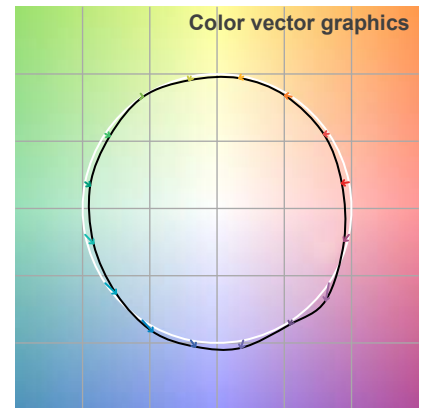
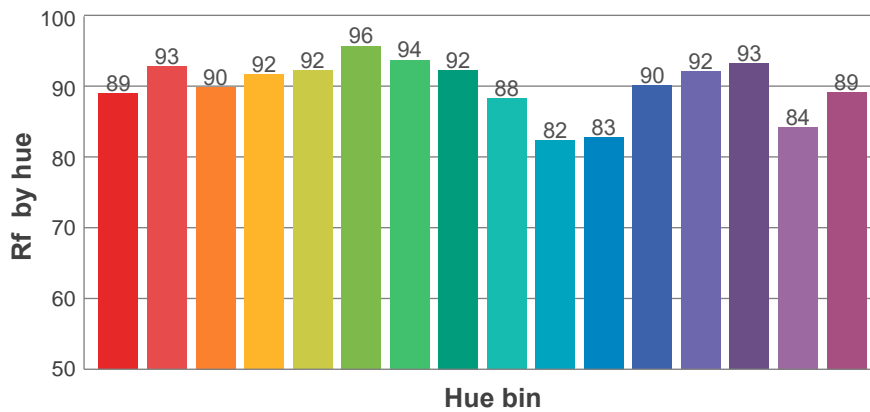
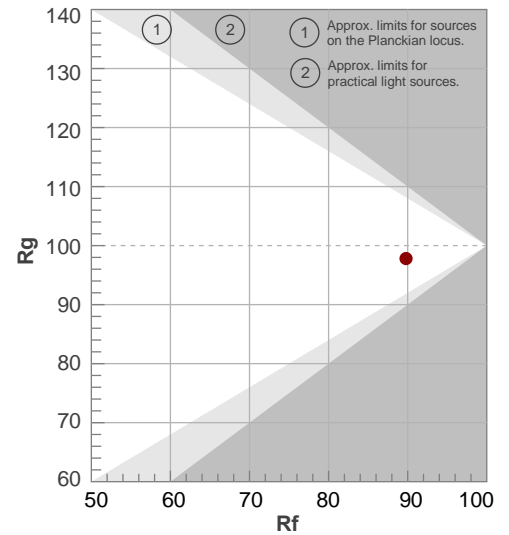
Rf 89.8

Fidelity index Rf

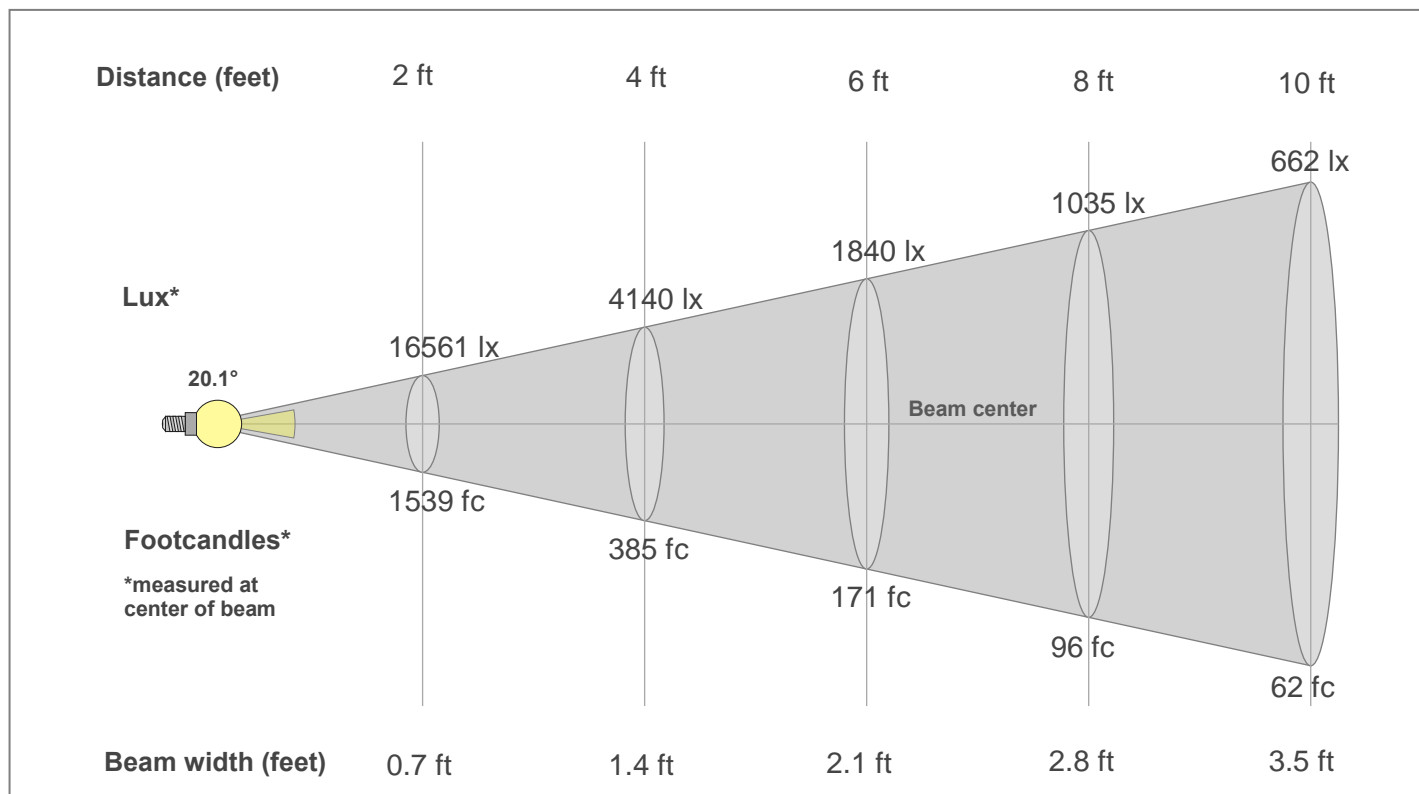
Rg 97.8

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-5%	0%
2	93	-3%	2%
3	90	-2%	5%
4	92	-2%	3%
5	92	-2%	2%
6	96	0%	0%
7	94	-4%	0%
8	92	-4%	2%
9	88	-5%	7%
10	82	-2%	11%
11	83	3%	11%
12	90	4%	4%
13	92	5%	-3%
14	93	2%	-3%
15	84	5%	-12%
16	89	-3%	-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
6154lx	1539lx	684lx	385lx	246lx	171lx	126lx	96lx	76lx	62lx	51lx	43lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
571.8fc	142.9fc	63.5fc	35.7fc	22.9fc	15.9fc	11.7fc	8.9fc	7.1fc	5.7fc	4.7fc	4fc	3.4fc	2.9fc	2.5fc	2.2fc	2fc	1.8fc	1.6fc	1.4fc

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°
6154	6146	6049	5878	5624	5307	4939	4513	4065	3594	3107	2631	2189	1778	1412	1110	867	670	512	390
100%	100%	98%	96%	91%	86%	80%	73%	66%	58%	50%	43%	36%	29%	23%	18%	14%	11%	8%	6%

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°
6154	6146	6049	5878	5624	5307	4939	4513	4065	3594	3107	2631	2189	1778	1412	1110	867	670	512	390
100%	100%	98%	96%	91%	86%	80%	73%	66%	58%	50%	43%	36%	29%	23%	18%	14%	11%	8%	6%

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°
6154	6146	6049	5878	5624	5307	4939	4513	4065	3594	3107	2631	2189	1778	1412	1110	867	670	512	390
100%	100%	98%	96%	91%	86%	80%	73%	66%	58%	50%	43%	36%	29%	23%	18%	14%	11%	8%	6%

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°
6154	6146	6049	5878	5624	5307	4939	4513	4065	3594	3107	2631	2189	1778	1412	1110	867	670	512	390
100%	100%	98%	96%	91%	86%	80%	73%	66%	58%	50%	43%	36%	29%	23%	18%	14%	11%	8%	6%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
20.1°	34.7°	45.3°	99.4%	99.3%