

Photometric / Colorimetric / Electric Report

Fixture Model:

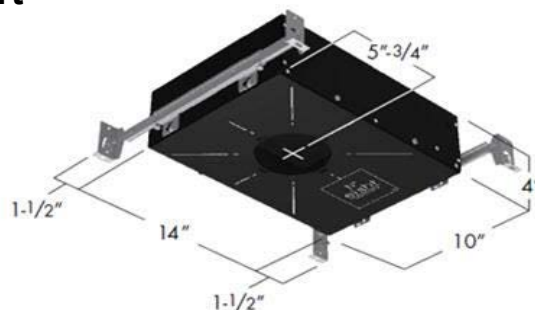
804S-J2S-HI-25-DIM1-8-1400-FR-LG-P-1-WH-NL

Trim Model:

FR-LG-P-1-WH/NL

Date:

3/14/2022



Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3009 K

CIE 1931:

x: 0.438
y: 0.407

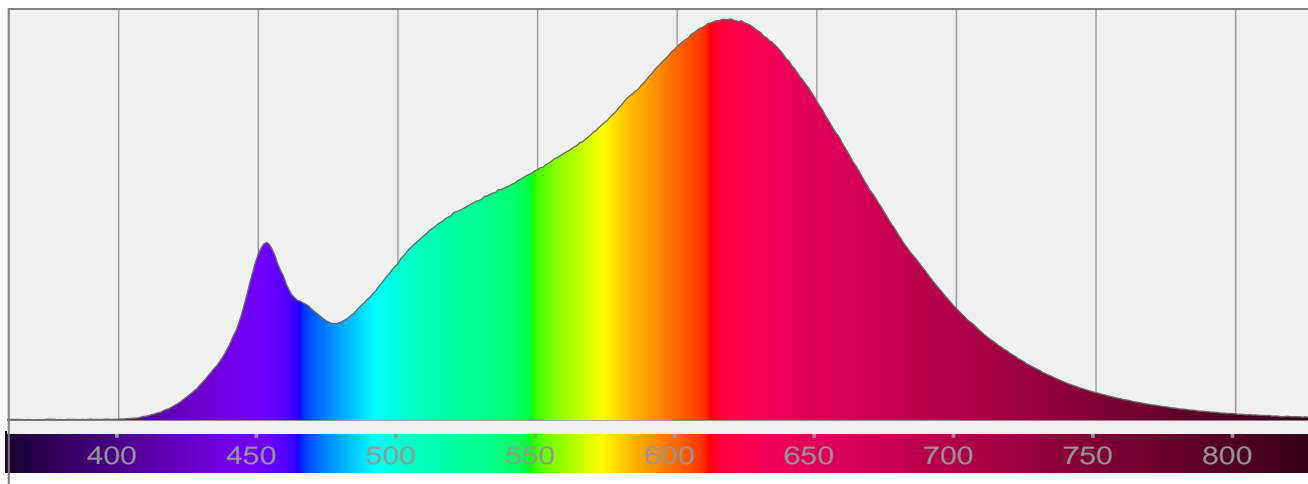
Output: 1180 lm

Peak: 3905 cd

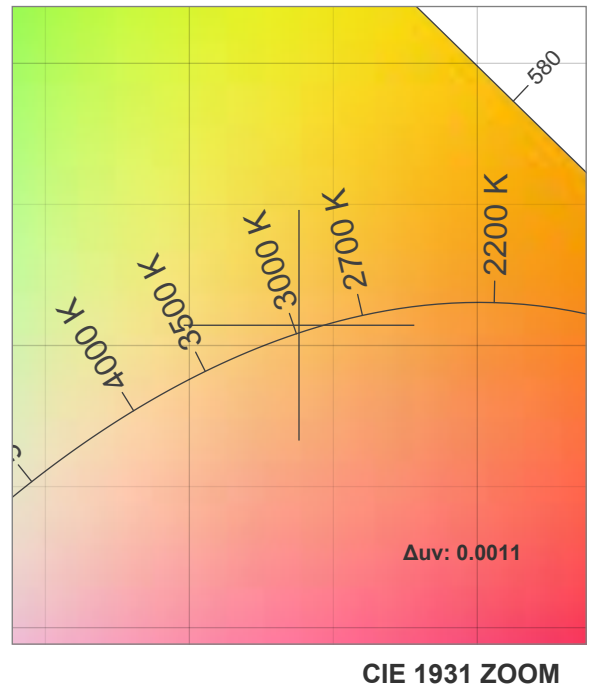
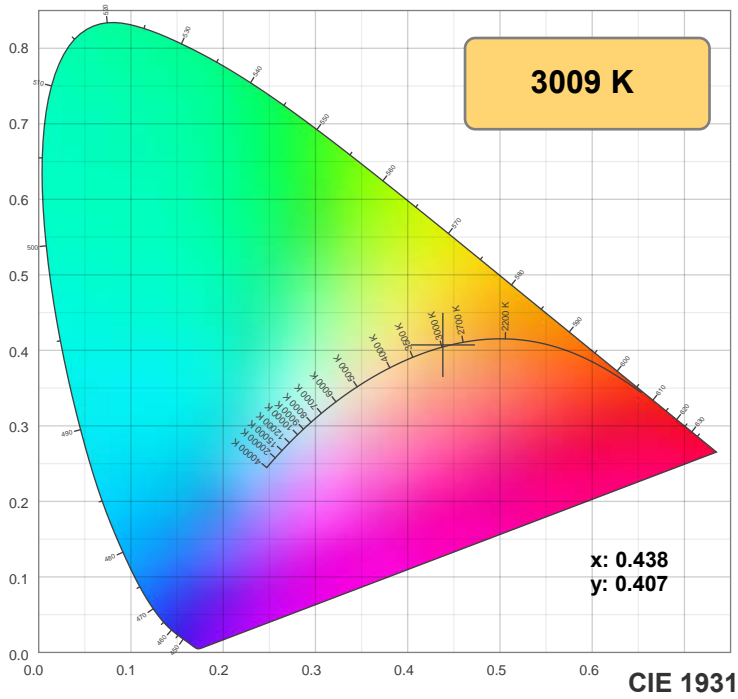
Power: 19.8 W

PF: 0.99

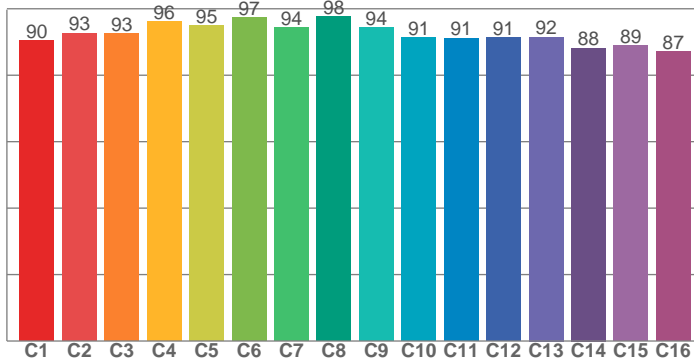
Spectra:



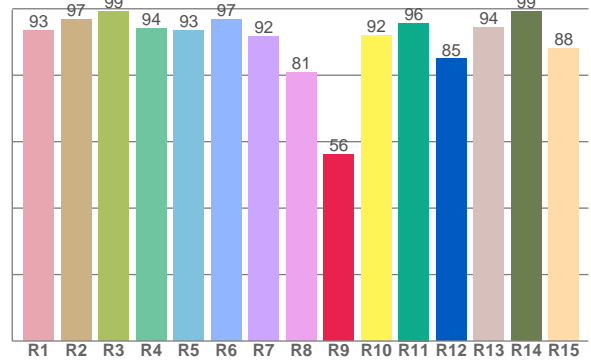
Color Details



TM-30: 92.6



CRI: 93.3 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.3	96.8	99.3	94.0	93.3	96.8	91.8	80.8	56.3	92.1	95.7	84.9	94.4	99.2	88.0

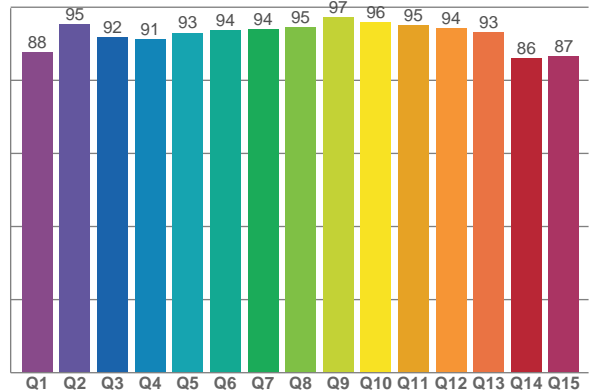
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.5	92.7	92.5	96.2	95.0	97.3	94.4	97.6	94.3	91.3	91.2	91.2	91.5	88.2	89.0	87.1

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.8	95.4	91.9	91.2	93.0	93.8	94.0	94.6	97.2	95.8	95.1	94.2	93.2	86.1	86.7

CQS: 91.8



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3009 K	93.3	56.3	92.6	98.0	91.8	0.438	0.407	0.250	0.349	0.0011

TM-30 Details

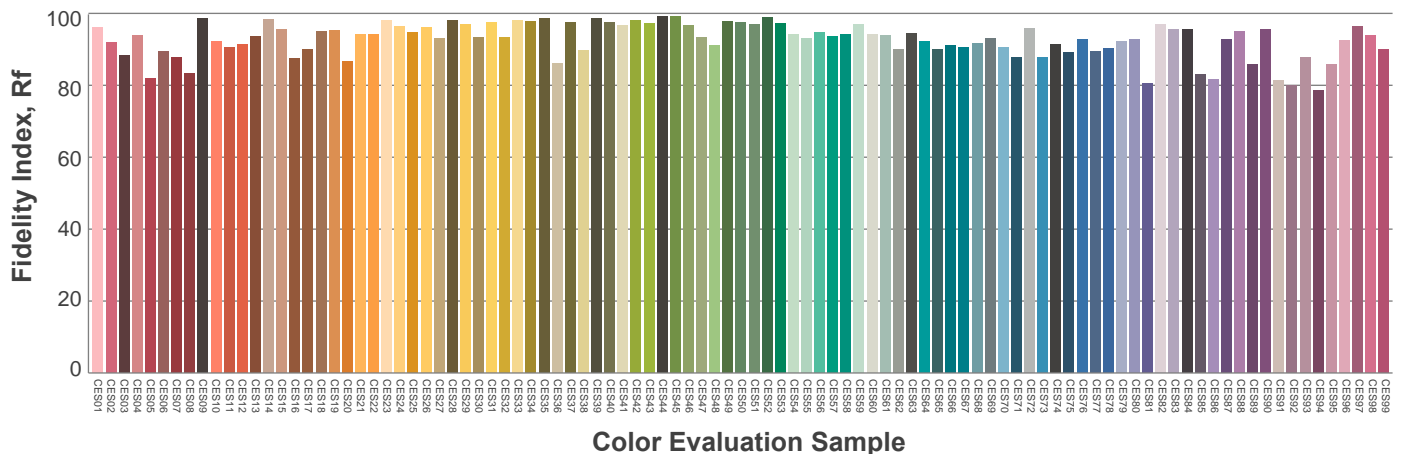
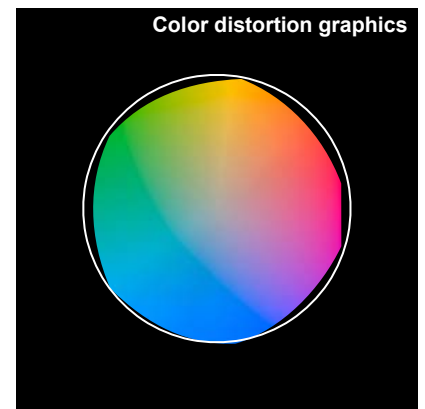
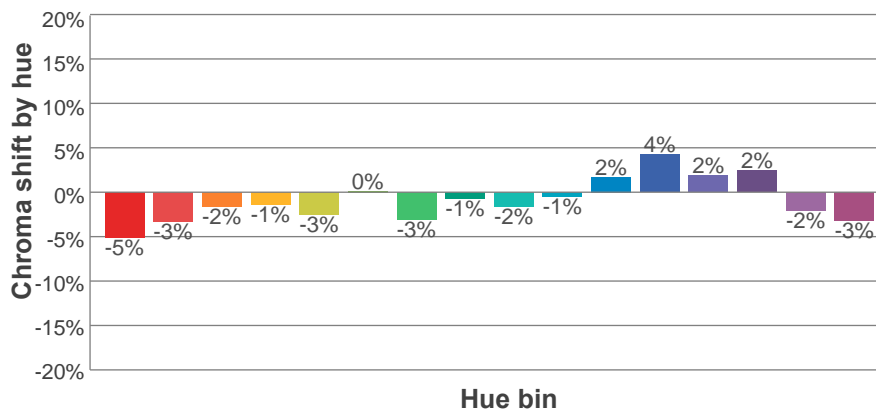
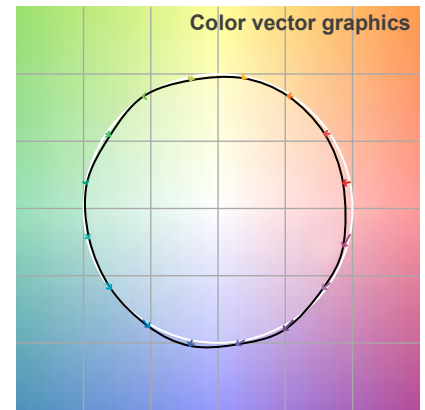
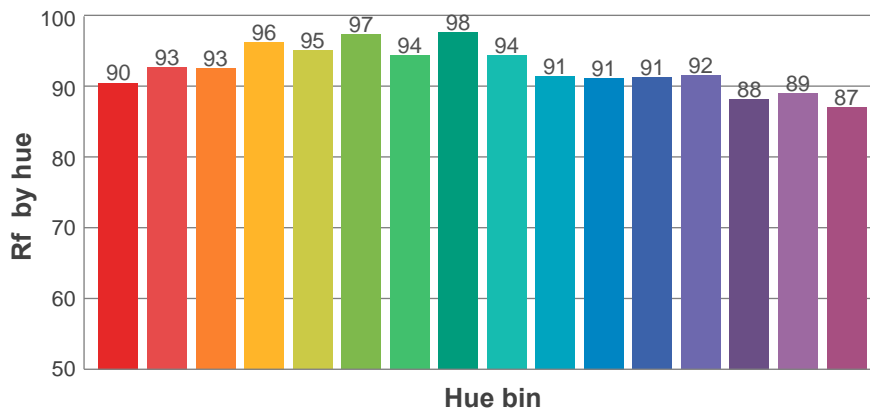
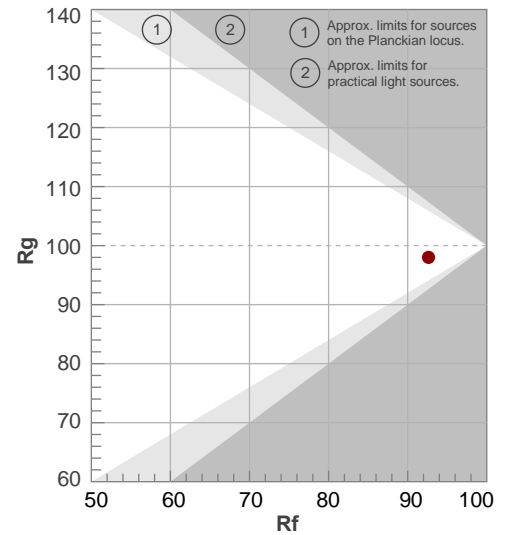
Rf 92.6

Fidelity index Rf

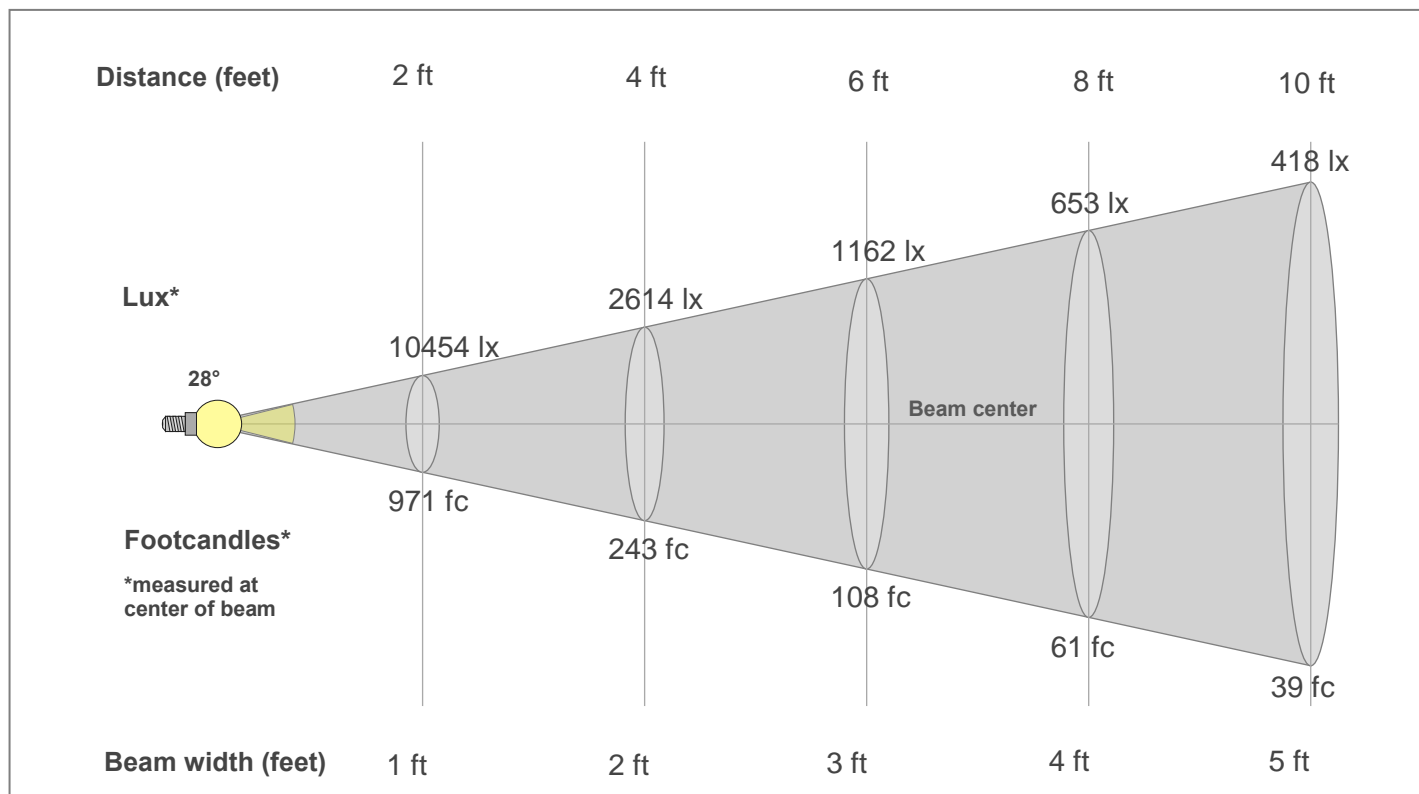
Rg 98.0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	93	-3%	2%
3	93	-2%	3%
4	96	-1%	1%
5	95	-3%	1%
6	97	0%	0%
7	94	-3%	-1%
8	98	-1%	1%
9	94	-2%	3%
10	91	-1%	5%
11	91	2%	6%
12	91	4%	-1%
13	92	2%	-6%
14	88	2%	-9%
15	89	-2%	-6%
16	87	-3%	-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
3885lx	971lx	432lx	243lx	155lx	108lx	79lx	61lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
360.9fc	90.2fc	40.1fc	22.6fc	14.4fc	10fc	7.4fc	5.6fc	4.5fc	3.6fc	3fc	2.5fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc	0.9fc

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°
3885	3809	3639	3372	3039	2677	2306	1951	1619	1311	1046	816	623	476	367	284	221	173	134	95
100%	98%	94%	87%	78%	69%	59%	50%	42%	34%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%

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°
3885	3850	3660	3394	3051	2682	2302	1942	1603	1298	1033	804	617	472	368	286	224	172	124	89
100%	99%	94%	87%	79%	69%	59%	50%	41%	33%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%

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°
3885	3800	3619	3362	3046	2679	2315	1952	1619	1308	1040	809	621	478	370	286	225	179	141	108
100%	98%	93%	87%	78%	69%	60%	50%	42%	34%	27%	21%	16%	12%	10%	7%	6%	5%	4%	3%

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°
3885	3850	3660	3394	3051	2682	2302	1942	1603	1298	1033	804	617	472	368	286	224	172	124	89
100%	99%	94%	87%	79%	69%	59%	50%	41%	33%	27%	21%	16%	12%	9%	7%	6%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
28°	55.2°	75.7°	99.5%	98.7%