

Photometric / Colorimetric / Electric Report

Fixture Model:

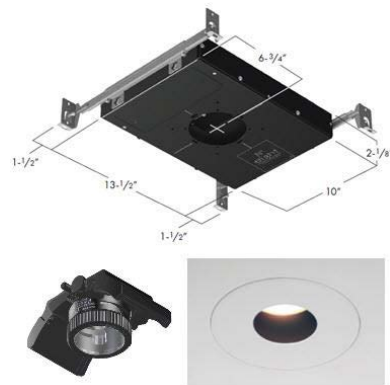
805-J5-WD-40-PR1-8.5-350-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

1/22/2024



Light efficiency:

54 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

3119 K

CIE 1931:

**x: 0.428
y: 0.400**

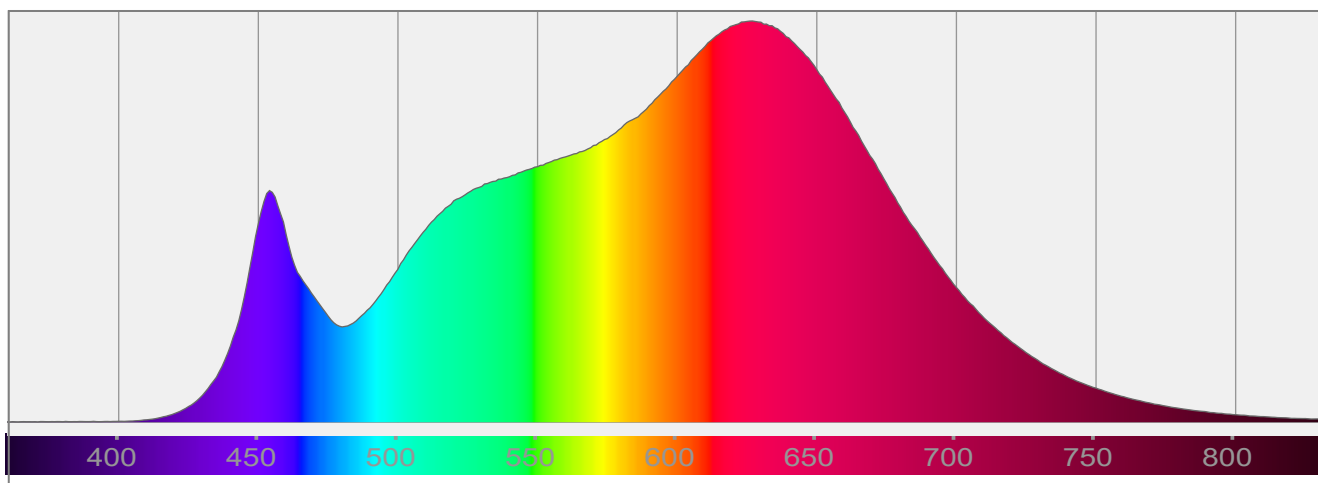
Output: 797 lm

Peak: 1807 cd

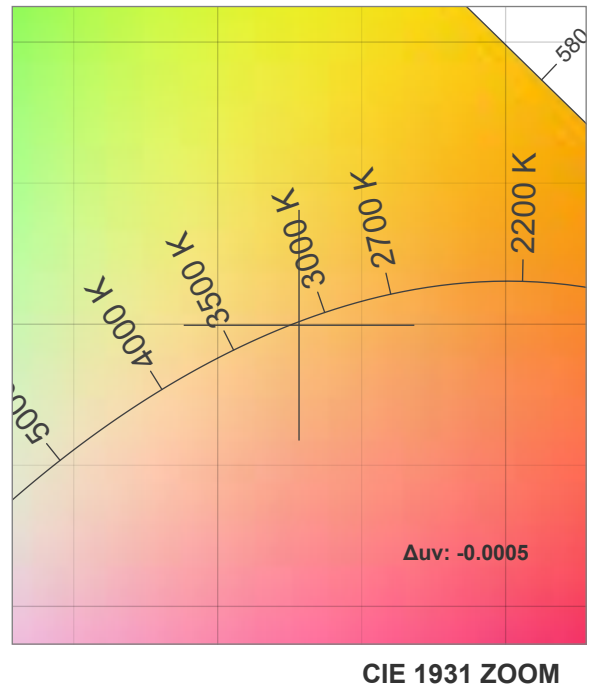
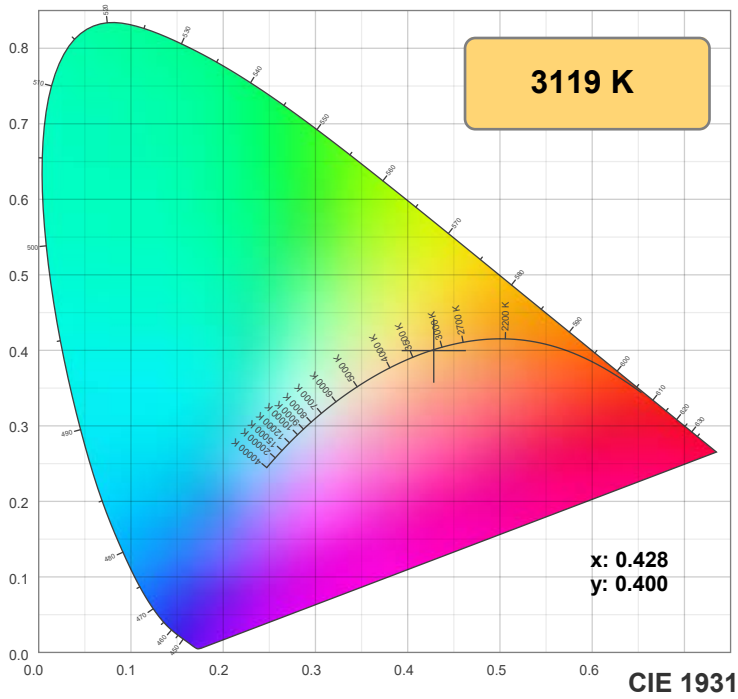
Power: 14.7 W

PF: 0.99

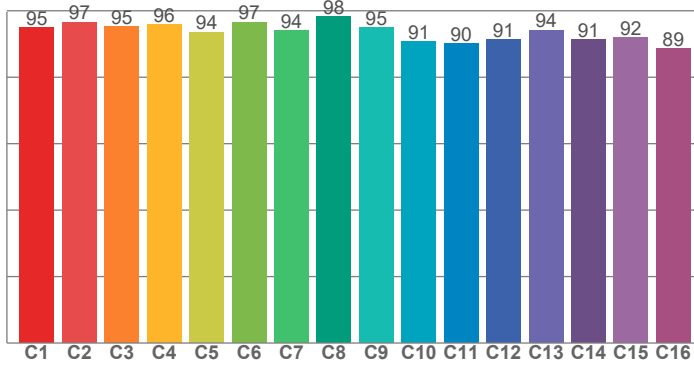
Spectra:



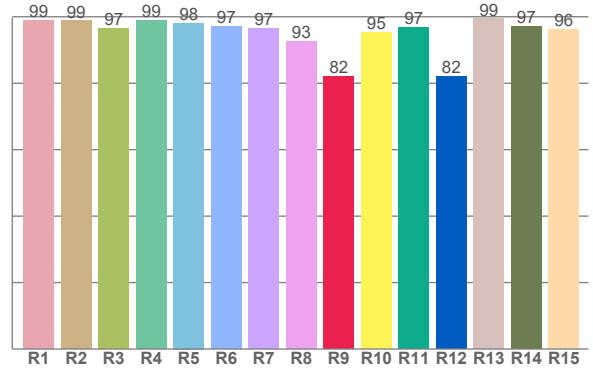
Color Details



TM-30: 93.8



CRI: 97.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.9	98.8	96.6	98.8	98.1	97.1	96.6	92.7	82.1	95.4	96.8	82.2	99.3	97.1	96.3

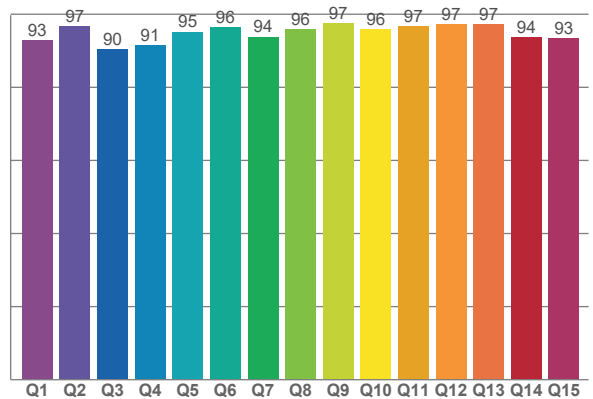
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	96.6	95.2	95.8	93.6	96.6	94.0	98.3	94.9	90.7	90.0	91.4	94.2	91.2	92.0	88.7

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	96.8	90.5	91.4	95.2	96.3	93.8	95.9	97.4	95.9	96.8	97.3	97.3	93.7	93.4

CQS: 94.4



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3119 K	97.2	82.1	93.8	100.7	94.4	0.428	0.400	0.247	0.346	-0.0005

TM-30 Details

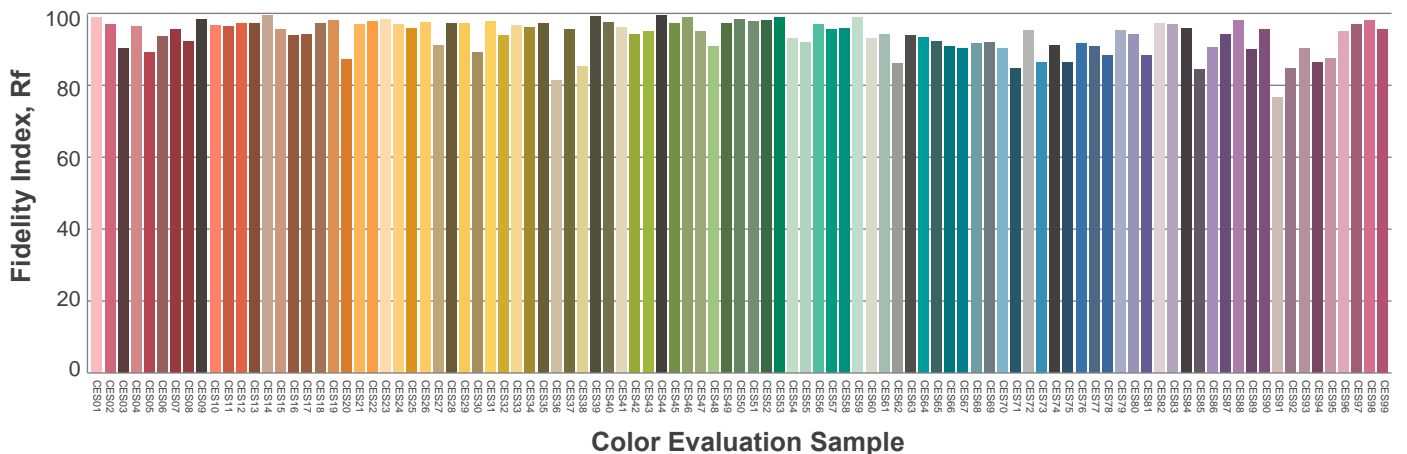
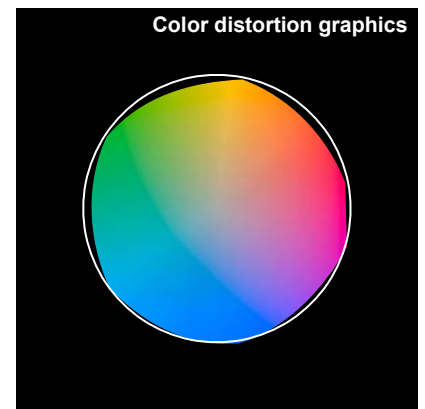
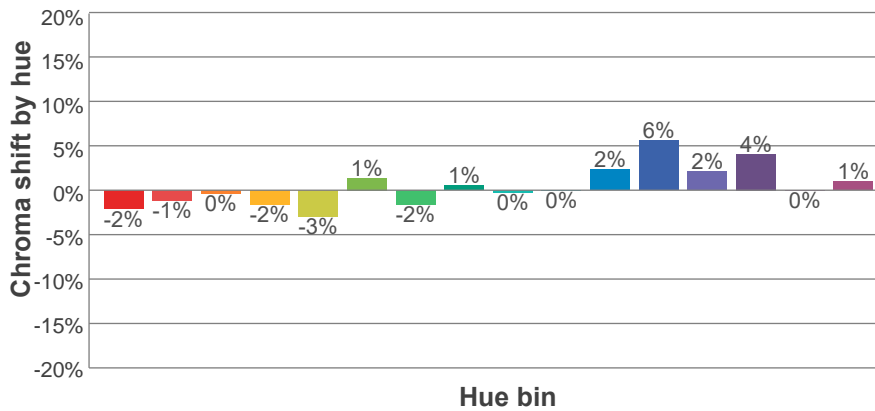
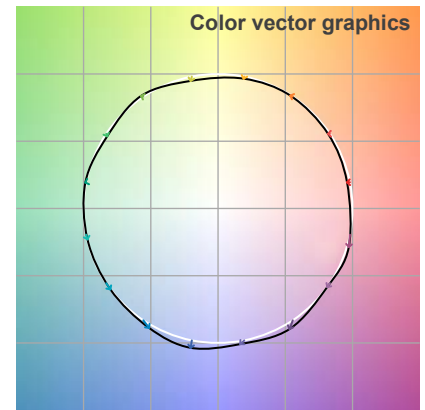
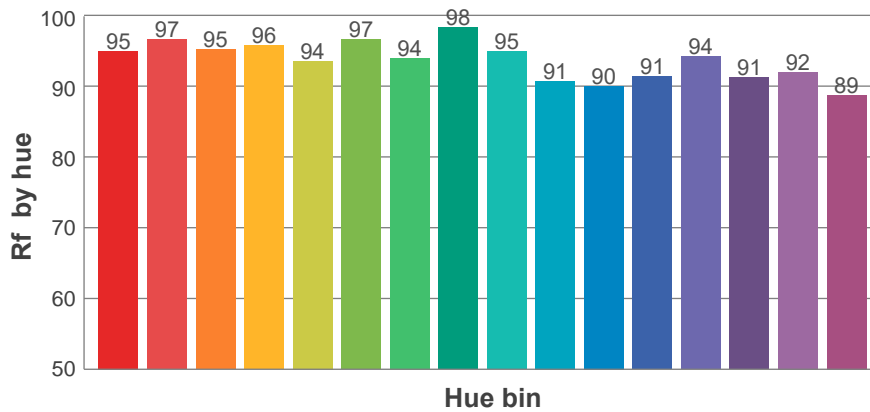
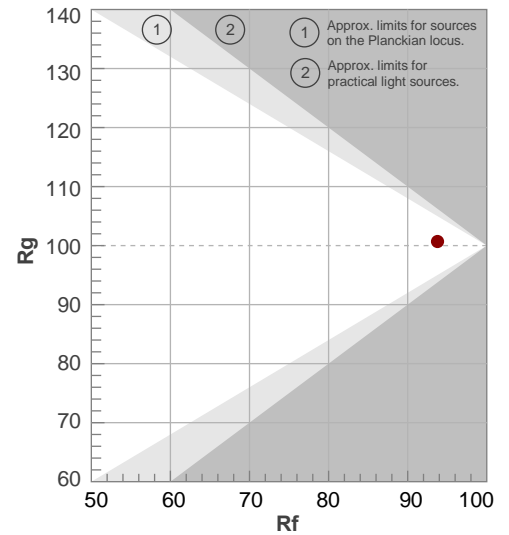
Rf 93.8

Fidelity index Rf

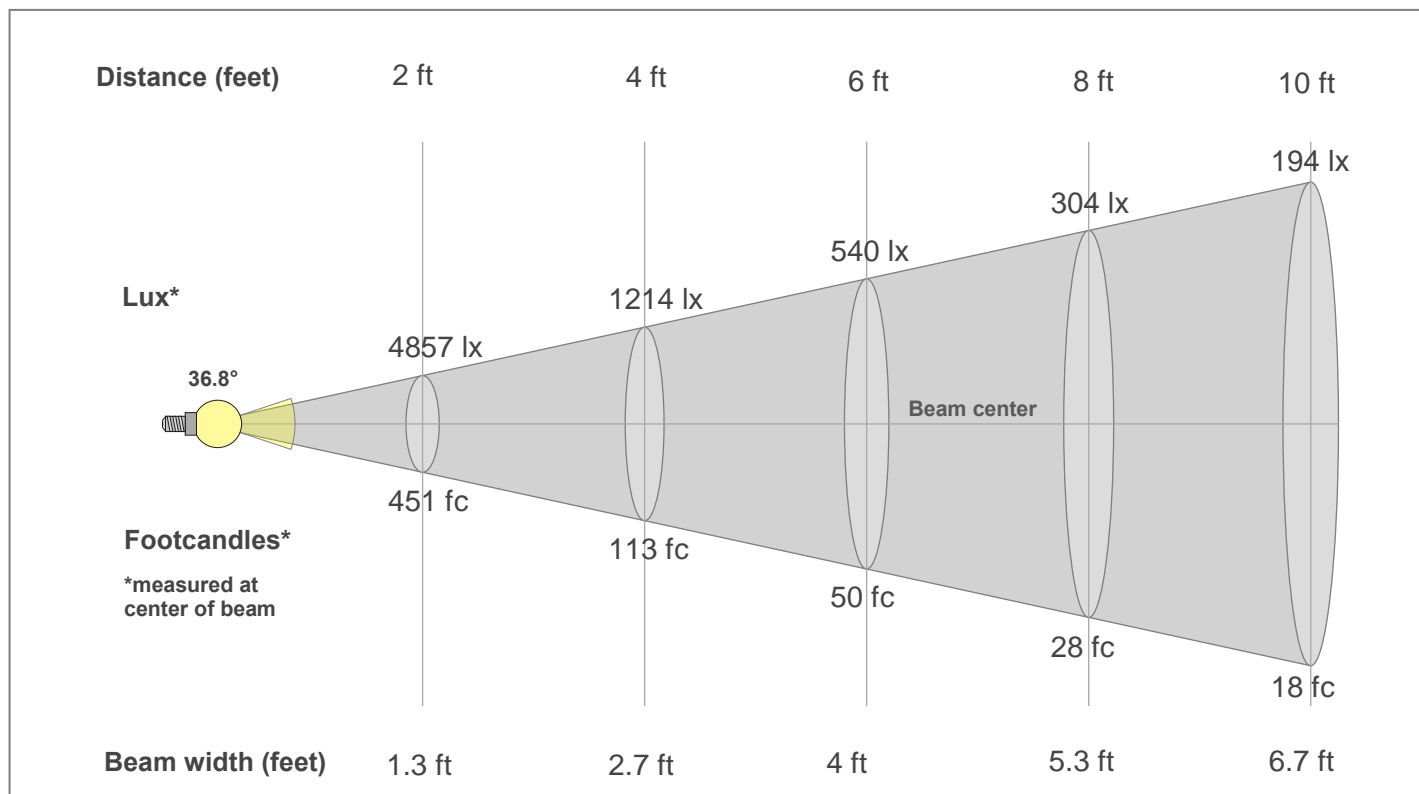
Rg 100.7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-2%	0%
5	94	-3%	1%
6	97	1%	1%
7	94	-2%	1%
8	98	1%	0%
9	95	0%	4%
10	91	0%	6%
11	90	2%	7%
12	91	6%	0%
13	94	2%	-3%
14	91	4%	-6%
15	92	0%	-3%
16	89	1%	-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
1805lx	451lx	201lx	113lx	72lx	50lx	37lx	28lx	22lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
167.7fc	41.9fc	18.6fc	10.5fc	6.7fc	4.7fc	3.4fc	2.6fc	2.1fc	1.7fc	1.4fc	1.2fc	1fc	0.9fc	0.7fc	0.7fc	0.6fc	0.5fc	0.5fc	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°
1805	1794	1752	1682	1592	1485	1364	1231	1086	937	789	644	515	405	316	245	187	142	109	83
100%	99%	97%	93%	88%	82%	76%	68%	60%	52%	44%	36%	29%	22%	18%	14%	10%	8%	6%	5%

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°
1805	1790	1746	1678	1587	1480	1359	1225	1079	930	780	636	506	398	310	240	184	140	107	83
100%	99%	97%	93%	88%	82%	75%	68%	60%	52%	43%	35%	28%	22%	17%	13%	10%	8%	6%	5%

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°
1805	1794	1752	1682	1592	1485	1364	1231	1086	937	789	644	515	405	316	245	187	142	109	83
100%	99%	97%	93%	88%	82%	76%	68%	60%	52%	44%	36%	29%	22%	18%	14%	10%	8%	6%	5%

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°
1805	1790	1746	1678	1587	1480	1359	1225	1079	930	780	636	506	398	310	240	184	140	107	83
100%	99%	97%	93%	88%	82%	75%	68%	60%	52%	43%	35%	28%	22%	17%	13%	10%	8%	6%	5%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
36.8°	64.4°	85°	99.7%	98.0%