

Photometric / Colorimetric / Electric Report

Fixture Model:

805-J5-WD-2-25-PR1-8.5-350-FR-P-1-WH

Trim Model:

FR-P-1-WH

Date:

1/24/2024



Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

2927 K

CIE 1931:

x: 0.439
y: 0.400

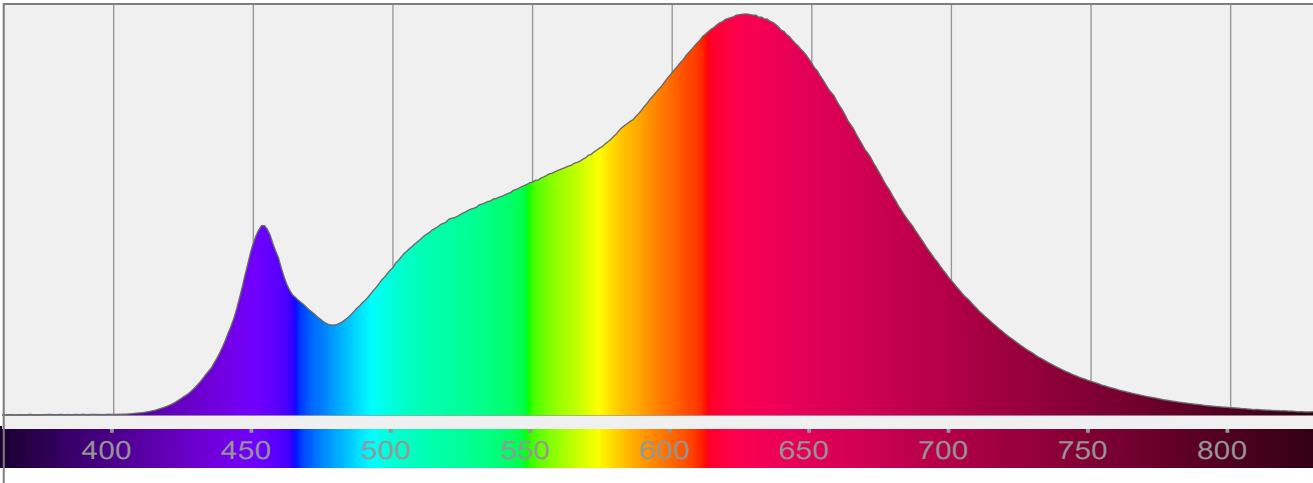
Output: 788 lm

Peak: 2260 cd

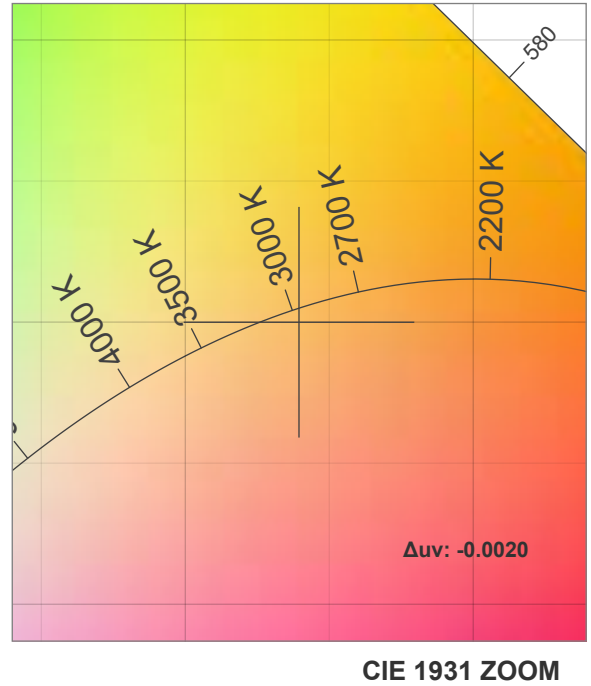
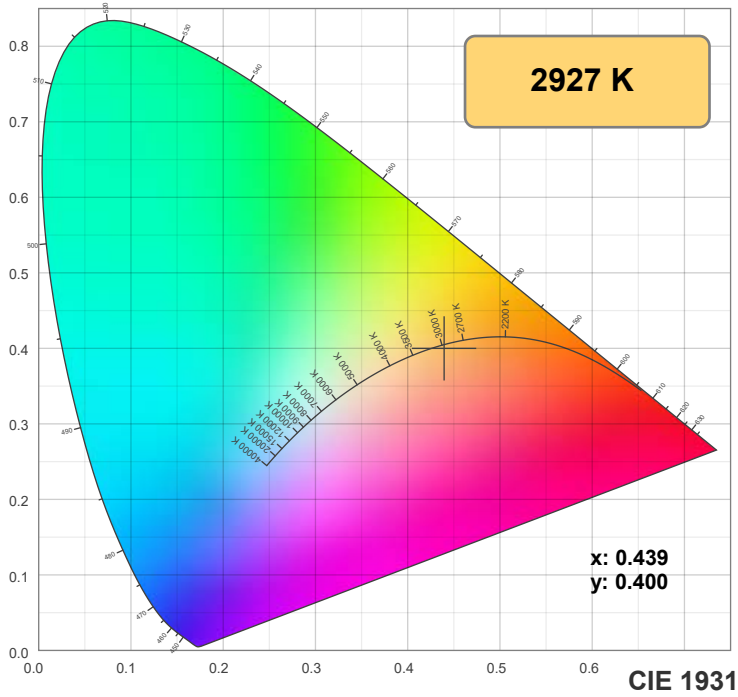
Power: 14.8 W

PF: 0.99

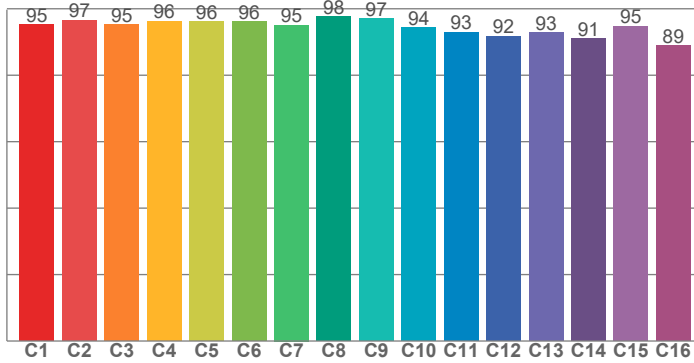
Spectra:



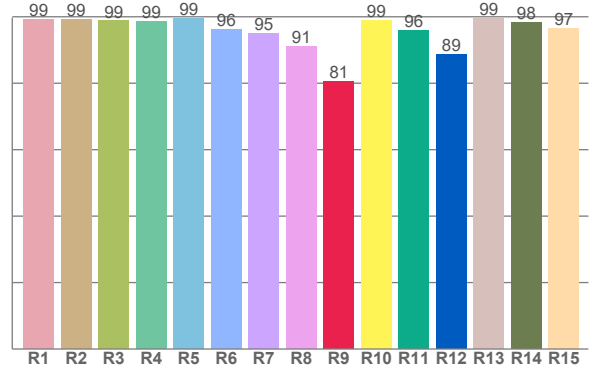
Color Details



TM-30: 94.7



CRI: 97.2 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99.2	99.2	98.7	98.6	99.5	96.2	95.0	91.2	80.6	99.0	95.9	88.6	99.4	98.4	96.6

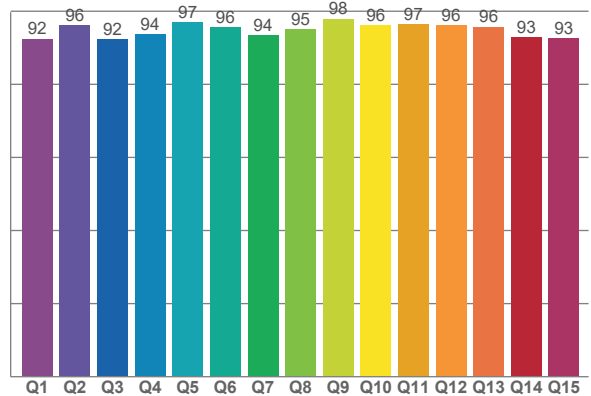
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.3	96.6	95.3	96.3	96.1	96.1	95.1	97.7	97.0	94.4	93.0	91.8	92.9	90.9	94.8	89.0

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.5	96.1	92.4	93.7	97.0	95.6	93.5	95.1	97.9	96.3	96.5	96.2	95.7	92.8	92.6

CQS: 94.5



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2927 K	97.2	80.6	94.7	101.1	94.5	0.439	0.400	0.254	0.347	-0.0020

TM-30 Details

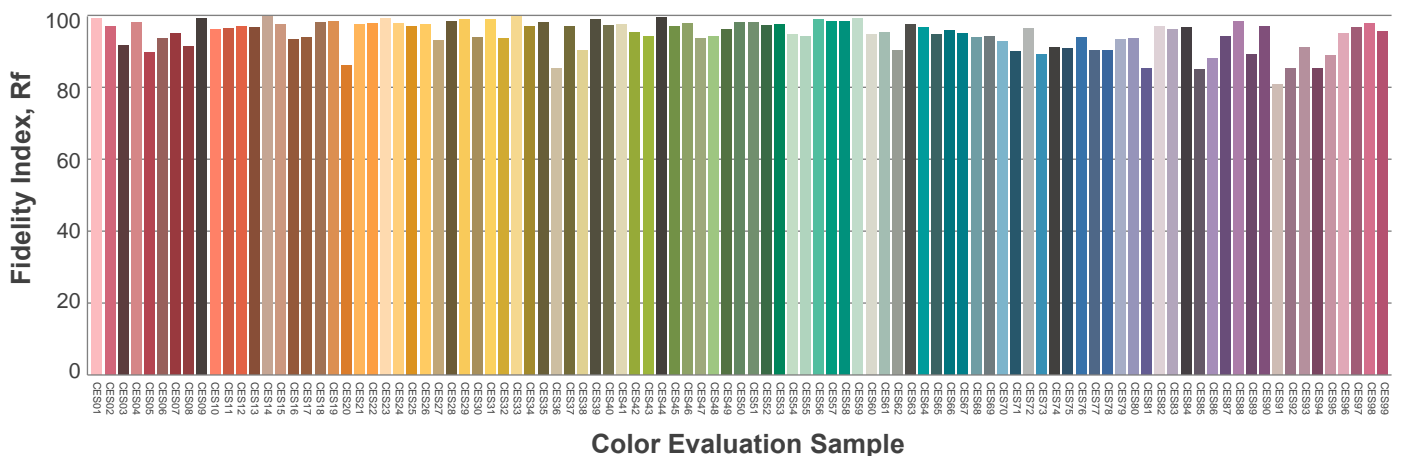
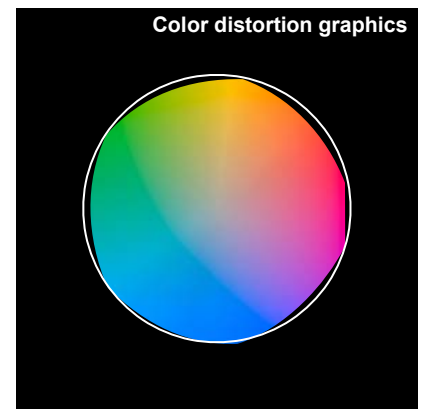
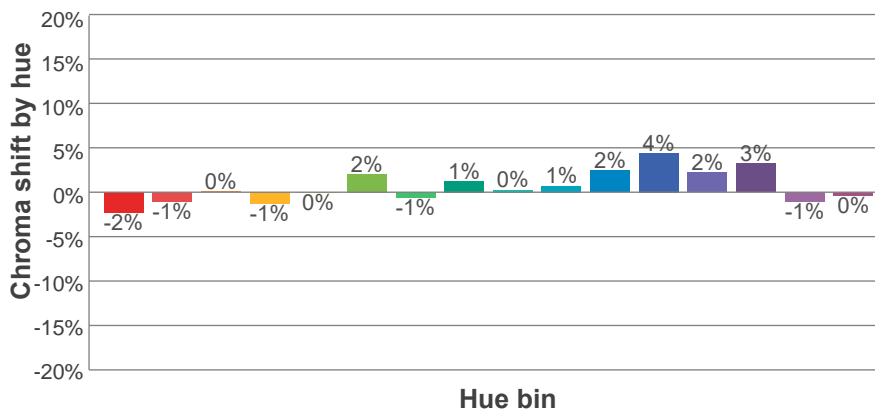
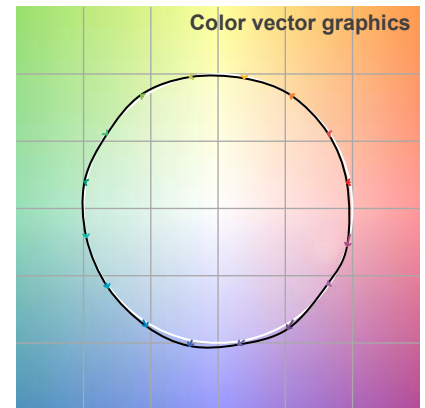
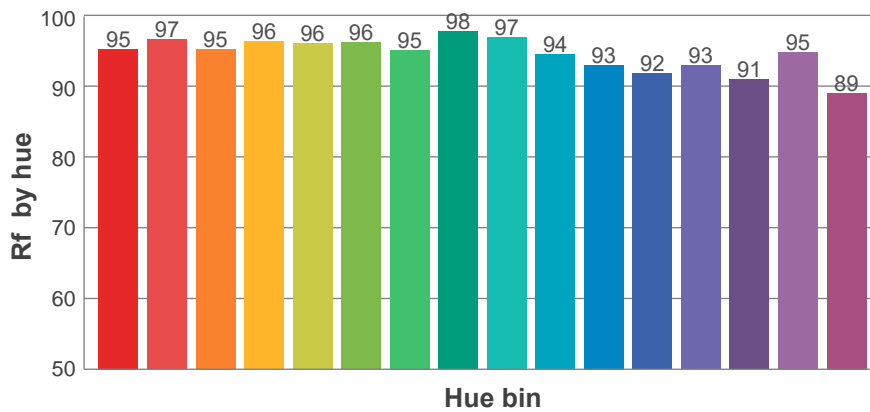
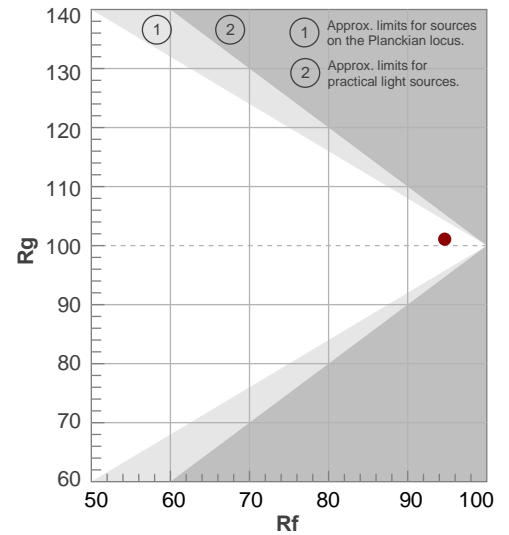
Rf 94.7

Fidelity index Rf

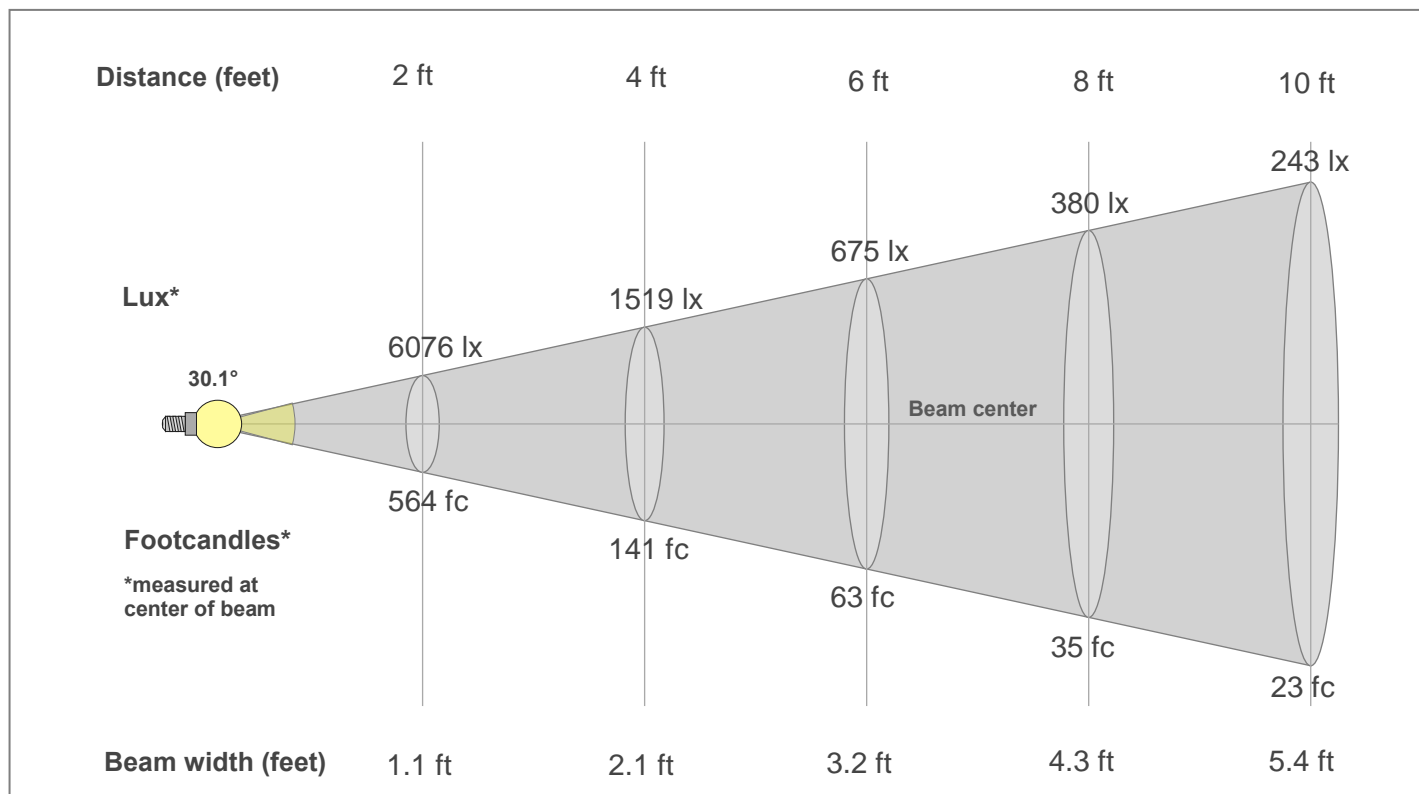
Rg 101.1

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-1%	0%
5	96	0%	2%
6	96	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	97	0%	2%
10	94	1%	3%
11	93	2%	5%
12	92	4%	-1%
13	93	2%	-5%
14	91	3%	-7%
15	95	-1%	-2%
16	89	0%	-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
2258lx	564lx	251lx	141lx	90lx	63lx	46lx	35lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
209.8fc	52.4fc	23.3fc	13.1fc	8.4fc	5.8fc	4.3fc	3.3fc	2.6fc	2.1fc	1.7fc	1.5fc	1.2fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc	0.5fc

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°
2258	2231	2146	2014	1853	1663	1458	1247	1039	845	676	532	422	331	264	213	173	141	116	96
100%	99%	95%	89%	82%	74%	65%	55%	46%	37%	30%	24%	19%	15%	12%	9%	8%	6%	5%	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°
2258	2226	2143	2011	1846	1656	1449	1231	1021	825	656	513	403	317	253	204	167	137	113	94
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	29%	23%	18%	14%	11%	9%	7%	6%	5%	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°
2258	2231	2146	2014	1853	1663	1458	1247	1039	845	676	532	422	331	264	213	173	141	116	96
100%	99%	95%	89%	82%	74%	65%	55%	46%	37%	30%	24%	19%	15%	12%	9%	8%	6%	5%	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°
2258	2226	2143	2011	1846	1656	1449	1231	1021	825	656	513	403	317	253	204	167	137	113	94
100%	99%	95%	89%	82%	73%	64%	55%	45%	37%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
30.1°	58.5°	85.3°	99.5%	97.6%