

Photometric / Colorimetric / Electric Report

Fixture Model:

MPT2-S-WD-2-6-WH-15-DIM1-M-350

Trim Model:

Date:

3/31/2022



Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 96.9

Color temperature:

2888 K

CIE 1931:

**x: 0.443
y: 0.402**

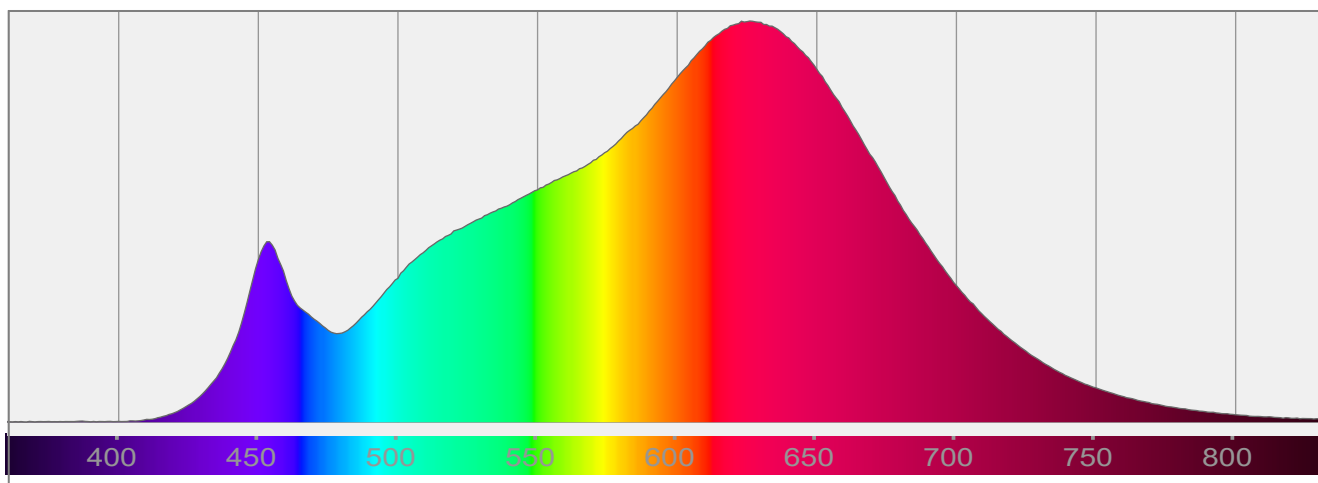
Output: 904 lm

Peak: 3933 cd

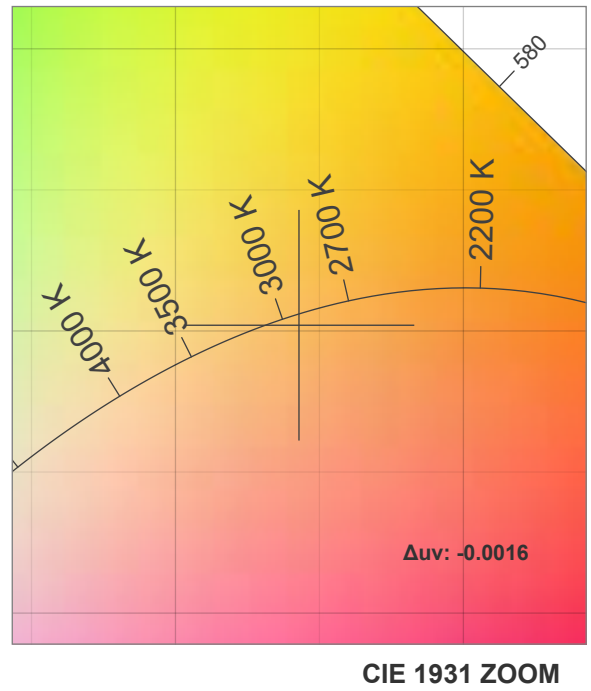
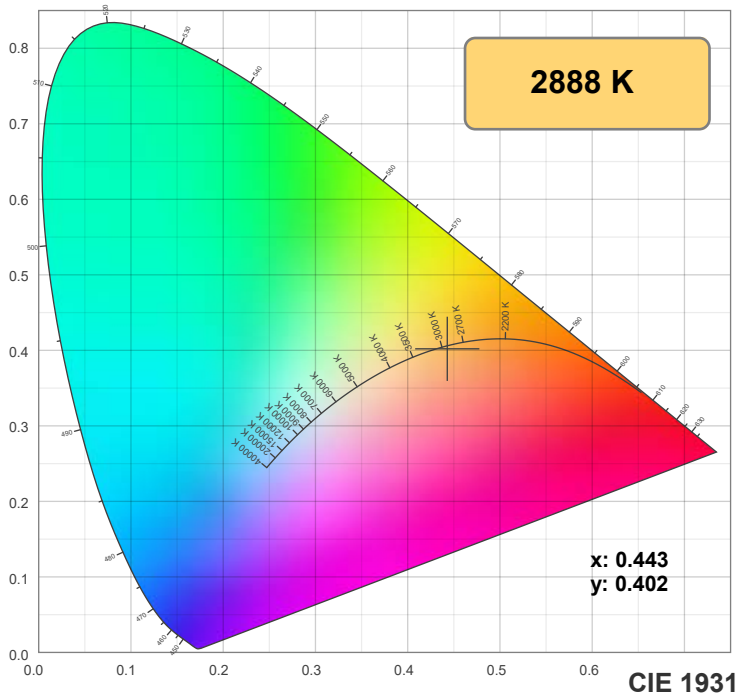
Power: 14.6 W

PF: 0.99

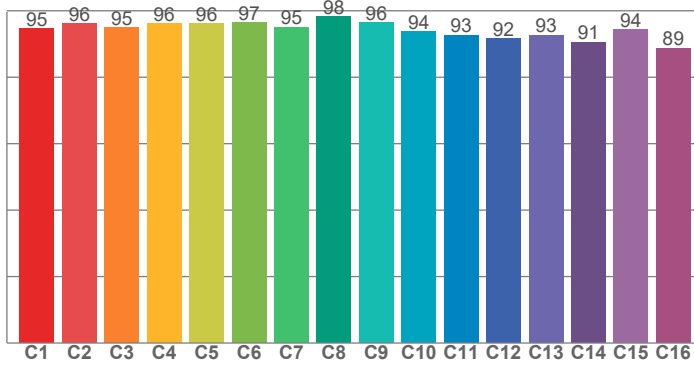
Spectra:



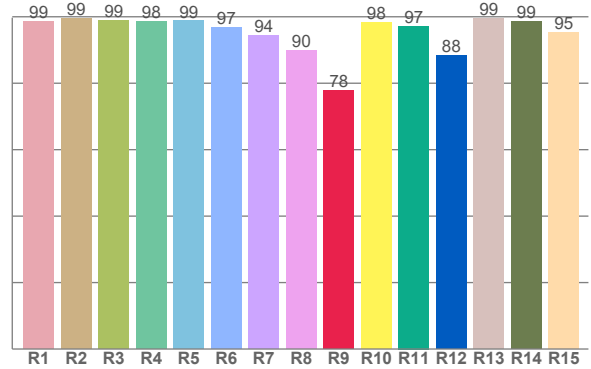
Color Details



TM-30: 94.4



CRI: 96.9 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.6	99.4	98.9	98.5	98.7	96.7	94.5	89.8	77.7	98.3	97.2	88.3	99.4	98.6	95.4

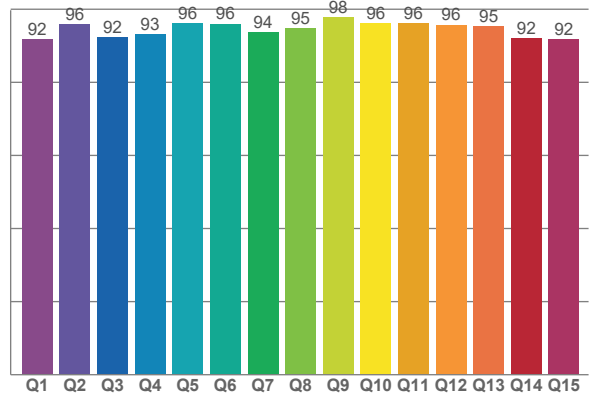
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.6	96.1	94.9	96.1	96.1	96.5	95.1	98.2	96.5	93.8	92.7	91.7	92.7	90.6	94.4	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.9	95.9	92.3	93.1	96.2	96.0	93.6	94.8	97.7	96.1	96.2	95.8	95.3	92.1	91.9

CQS: 94.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2888 K	96.9	77.7	94.4	100.6	94.1	0.443	0.402	0.255	0.348	-0.0016

TM-30 Details

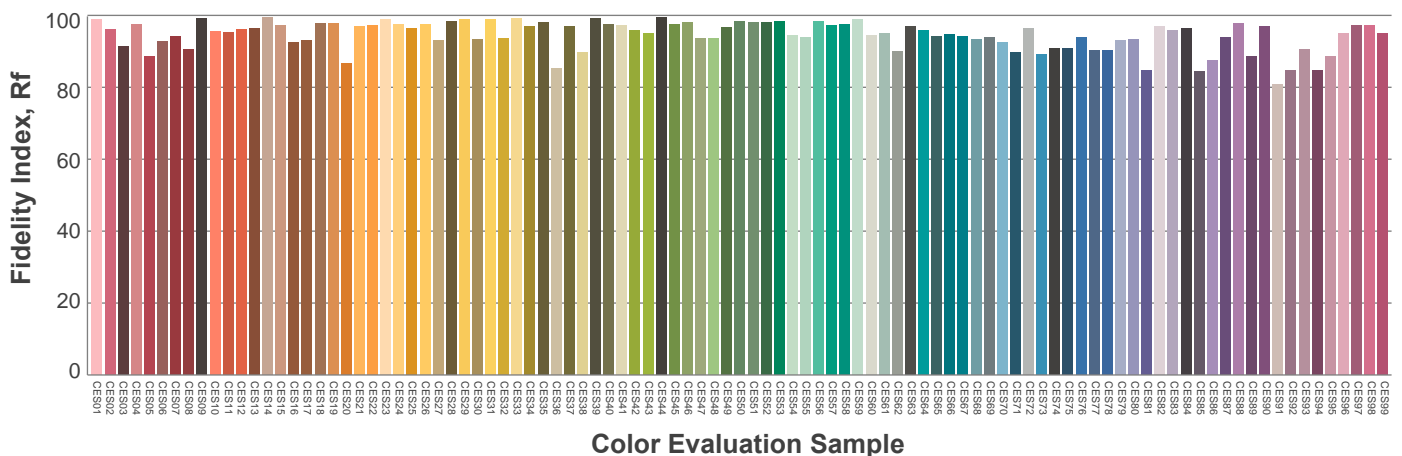
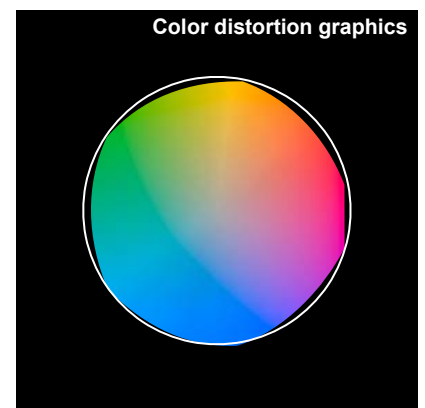
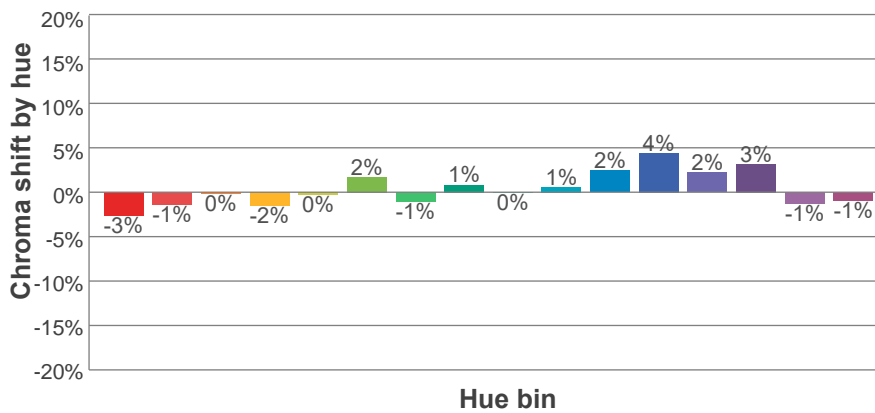
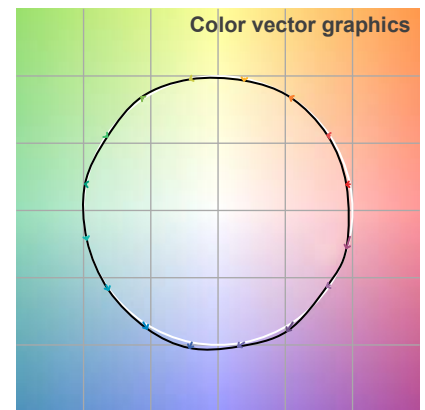
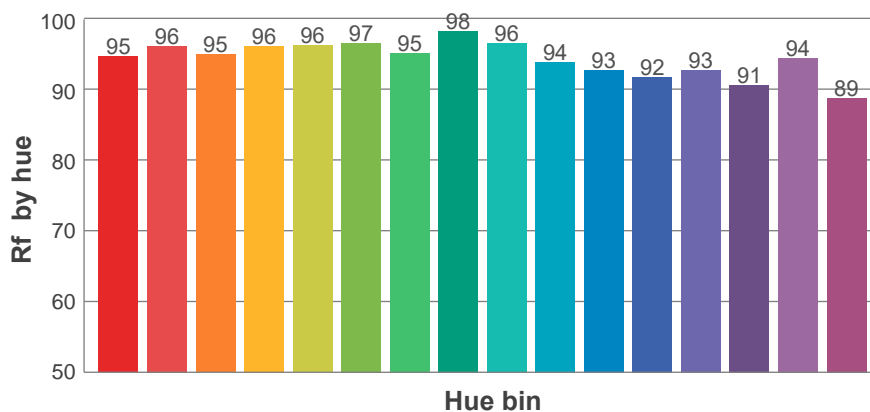
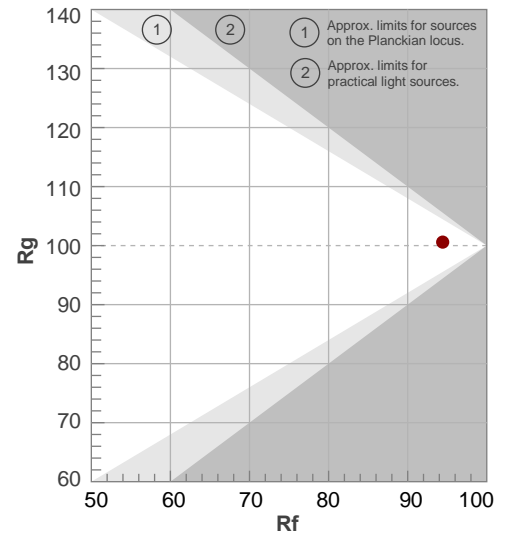
Rf 94.4

Fidelity index Rf

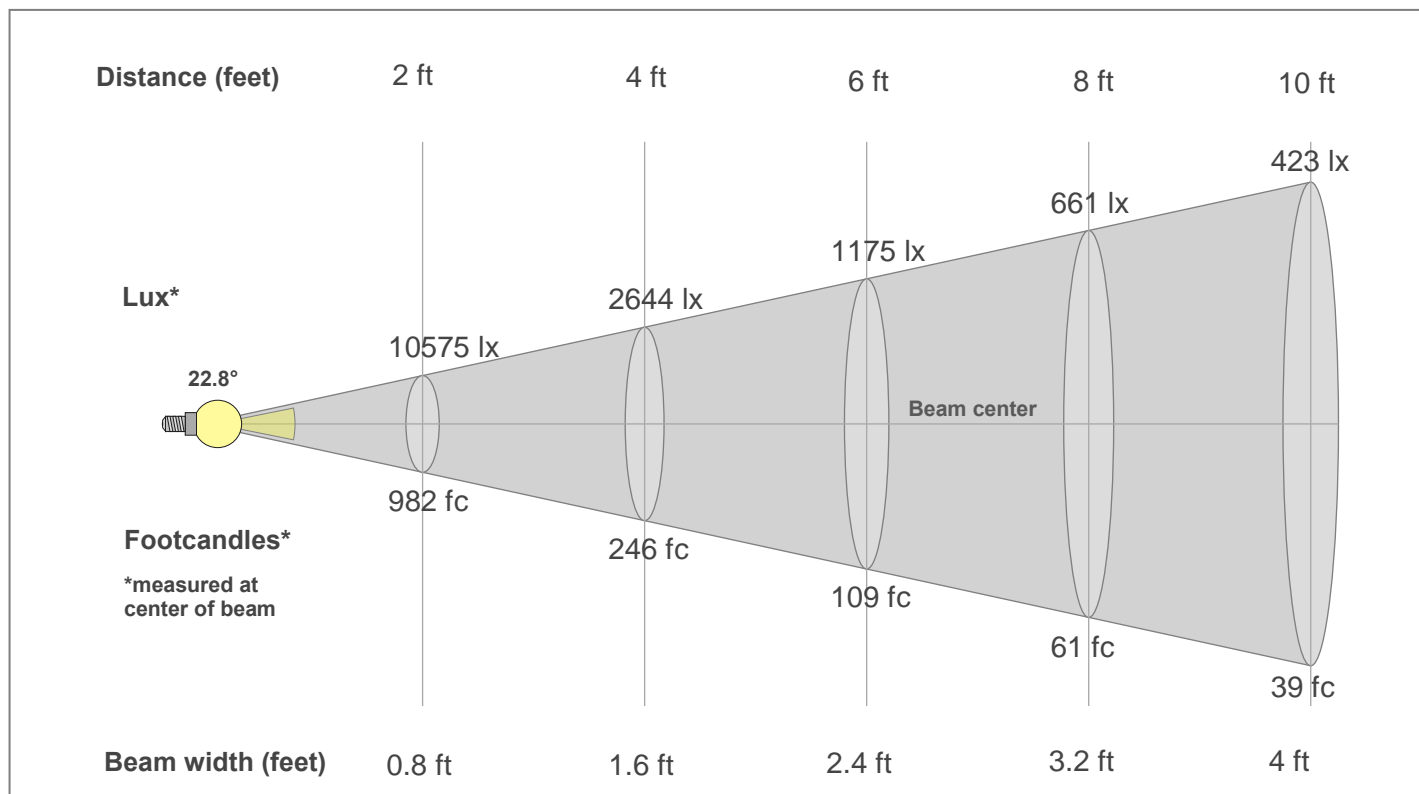
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	2%
4	96	-2%	0%
5	96	0%	2%
6	97	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	2%
10	94	1%	4%
11	93	2%	5%
12	92	4%	-1%
13	93	2%	-5%
14	91	3%	-7%
15	94	-1%	-2%
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
3930lx	982lx	437lx	246lx	157lx	109lx	80lx	61lx	49lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx	10lx
365.1fc	91.3fc	40.6fc	22.8fc	14.6fc	10.1fc	7.5fc	5.7fc	4.5fc	3.7fc	3fc	2.5fc	2.2fc	1.9fc	1.6fc	1.4fc	1.3fc	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°
3930	3862	3650	3288	2814	2293	1808	1400	1084	843	657	511	399	314	250	199	158	125	97	76
100%	98%	93%	84%	72%	58%	46%	36%	28%	21%	17%	13%	10%	8%	6%	5%	4%	3%	2%	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°
3930	3854	3649	3310	2853	2338	1832	1395	1059	807	623	483	377	297	236	189	151	119	93	74
100%	98%	93%	84%	73%	59%	47%	36%	27%	21%	16%	12%	10%	8%	6%	5%	4%	3%	2%	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°
3930	3862	3650	3288	2814	2293	1808	1400	1084	843	657	511	399	314	250	199	158	125	97	76
100%	98%	93%	84%	72%	58%	46%	36%	28%	21%	17%	13%	10%	8%	6%	5%	4%	3%	2%	2%

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°
3930	3854	3649	3310	2853	2338	1832	1395	1059	807	623	483	377	297	236	189	151	119	93	74
100%	98%	93%	84%	73%	59%	47%	36%	27%	21%	16%	12%	10%	8%	6%	5%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
22.8°	47.8°	71.4°	99.3%	98.3%