

Photometric / Colorimetric / Electric Report

Fixture Model:

MPT2-S-WD-4-6-WH-15-DIM1-M-350

Trim Model:



Date:

8/7/2024

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 96.6

Color temperature:

3002 K

CIE 1931:

**x: 0.435
y: 0.400**

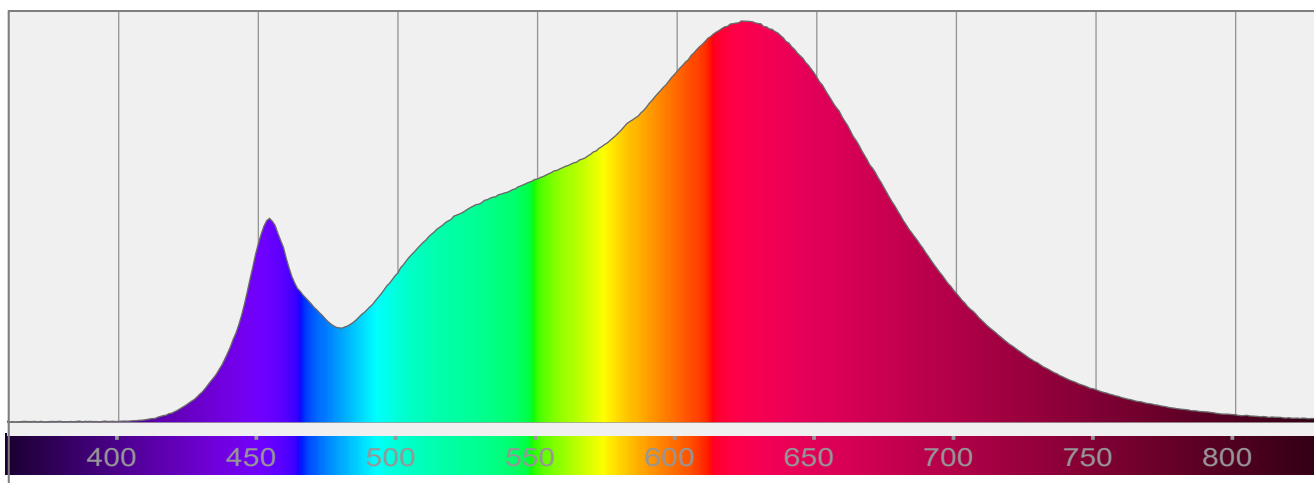
Output: 916 lm

Peak: 4392 cd

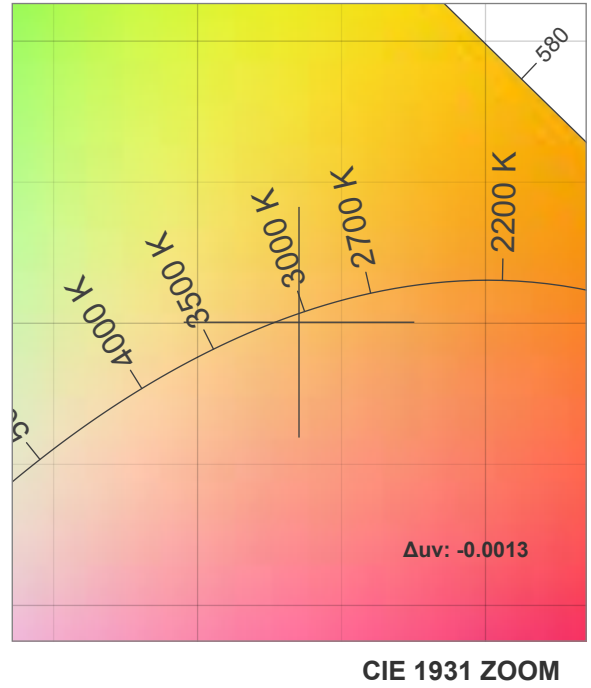
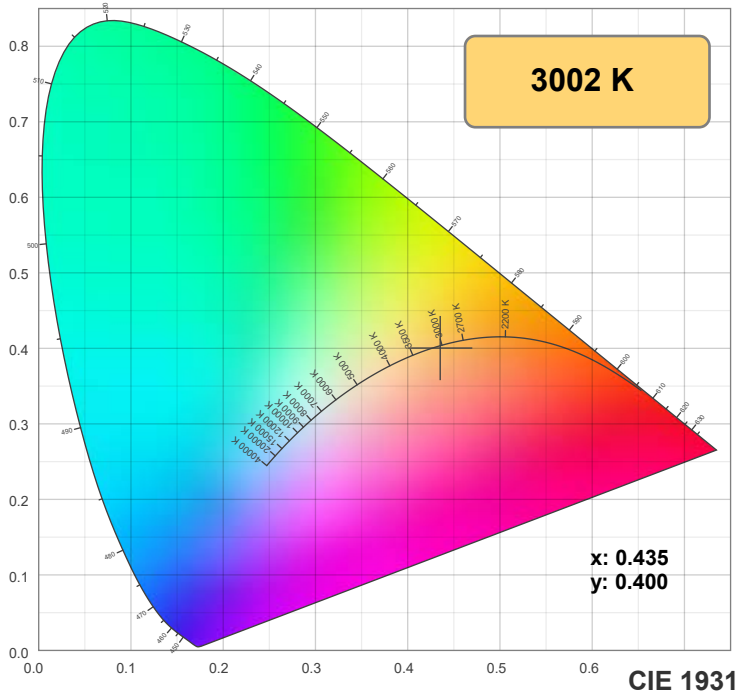
Power: 14.6 W

PF: 0.99

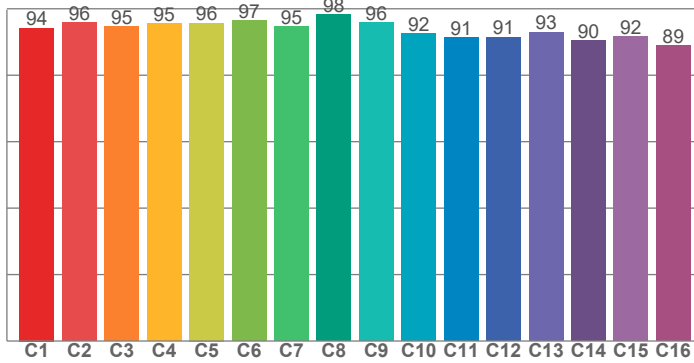
Spectra:



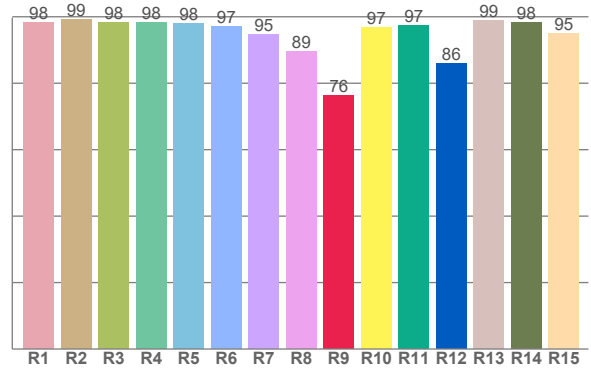
Color Details



TM-30: 93.9



CRI: 96.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.3	99.1	98.3	98.2	98.1	97.0	94.7	89.4	76.2	96.8	97.4	85.9	99.0	98.2	94.9

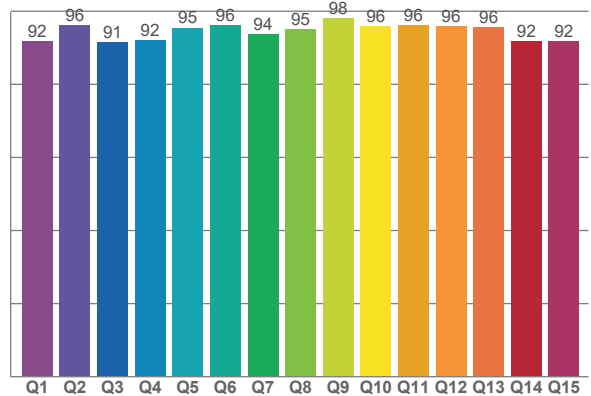
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	95.8	94.6	95.5	95.7	96.5	94.7	98.3	95.8	92.5	91.4	91.5	93.0	90.4	91.7	88.8

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	91.4	92.2	95.5	96.1	93.6	95.0	98.2	95.9	96.1	95.9	95.6	91.8	91.7

CQS: 93.9



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3002 K	96.6	76.2	93.9	100.5	93.9	0.435	0.400	0.251	0.346	-0.0013

TM-30 Details

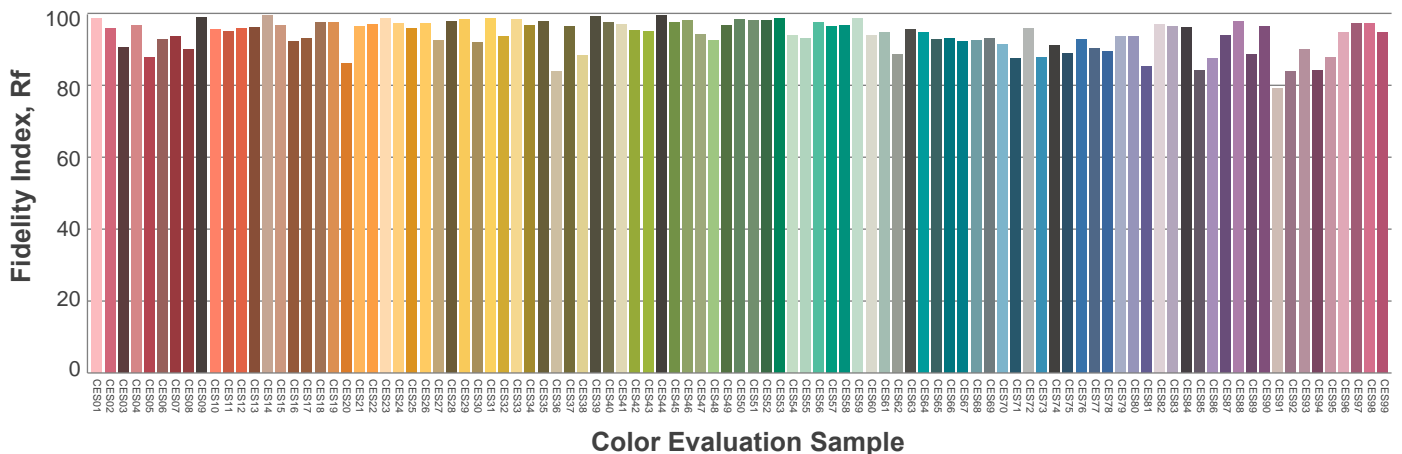
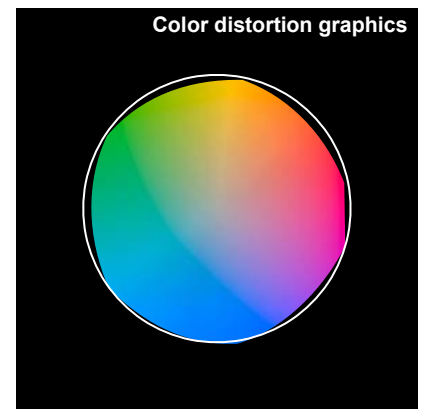
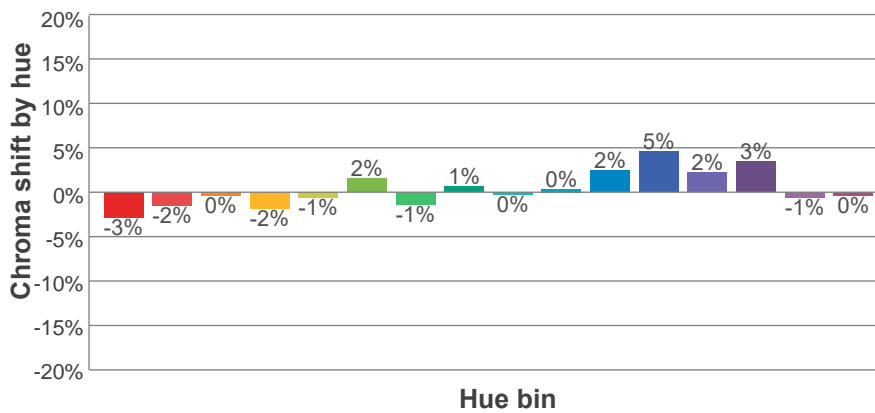
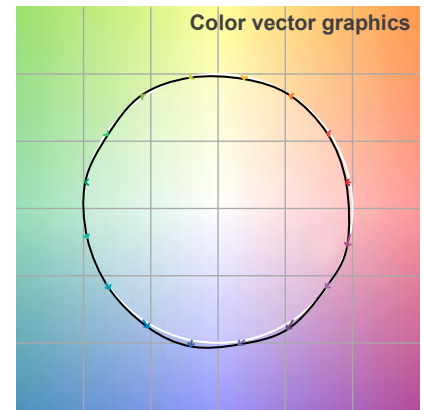
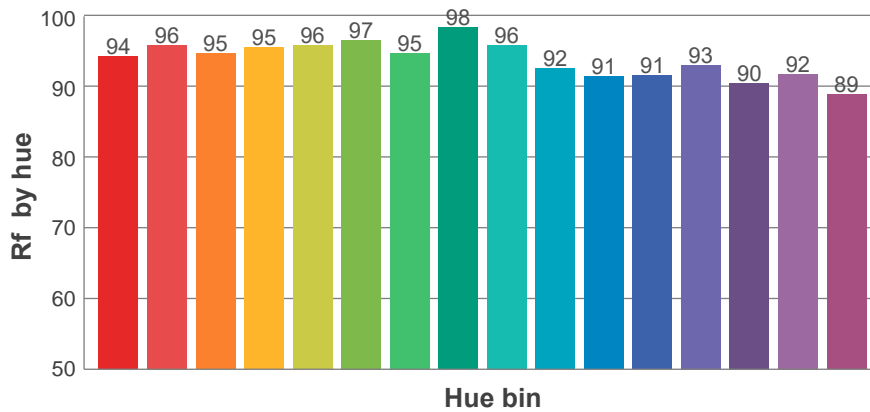
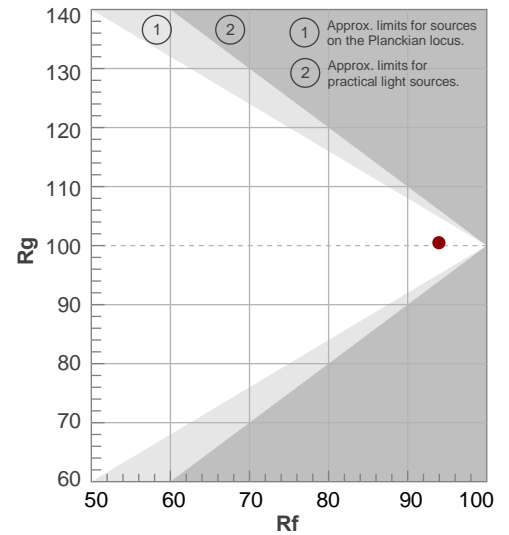
Rf 93.9

Fidelity index Rf

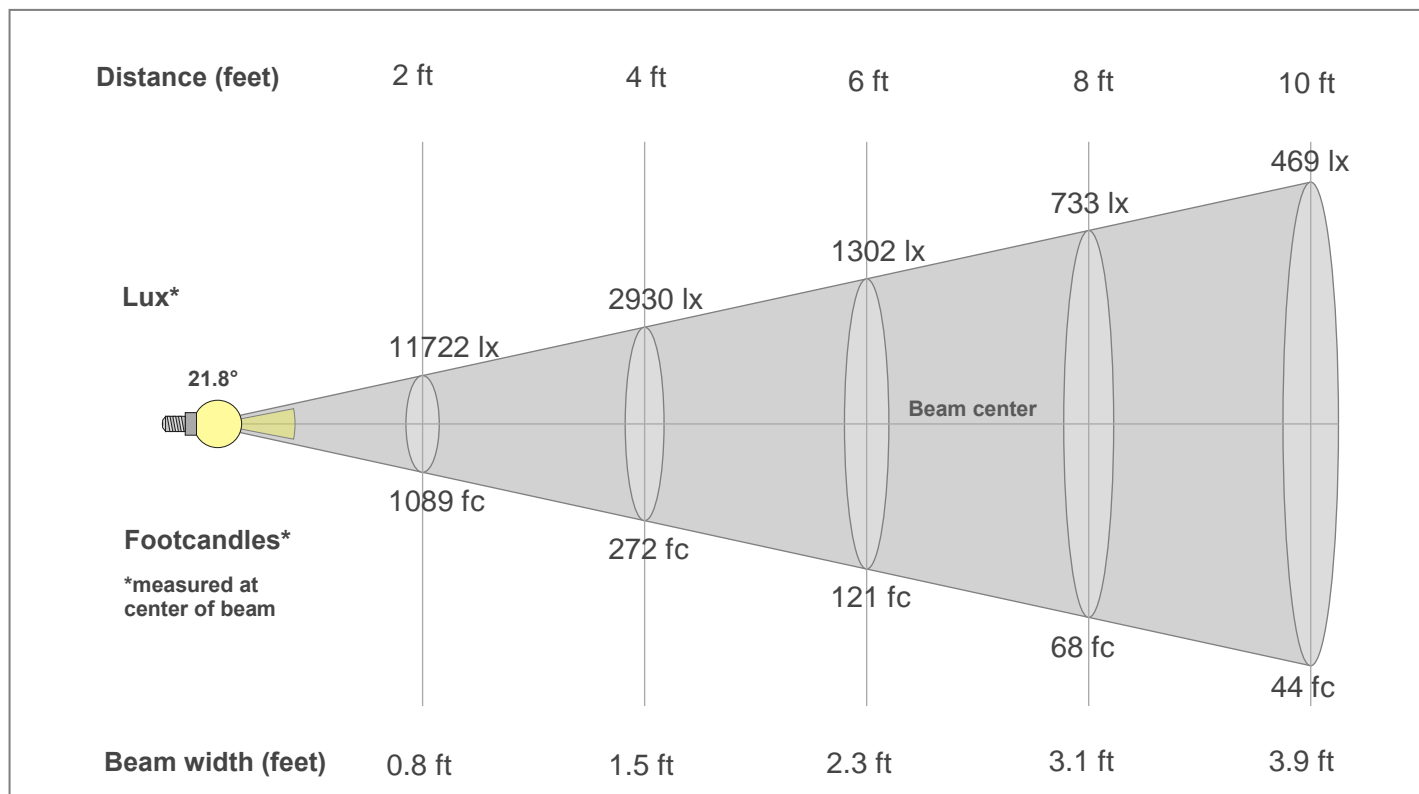
Rg 100.5

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	95	-2%	0%
5	96	-1%	2%
6	97	2%	1%
7	95	-1%	0%
8	98	1%	0%
9	96	0%	3%
10	92	0%	5%
11	91	2%	6%
12	91	5%	0%
13	93	2%	-5%
14	90	3%	-7%
15	92	-1%	-4%
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
4356lx	1089lx	484lx	272lx	174lx	121lx	89lx	68lx	54lx	44lx	36lx	30lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
404.7fc	101.2fc	45fc	25.3fc	16.2fc	11.2fc	8.3fc	6.3fc	5fc	4fc	3.3fc	2.8fc	2.4fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	1.1fc	1fc

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°
4356	4245	3975	3522	2970	2387	1860	1429	1096	841	641	487	373	290	230	181	142	110	86	65
100%	97%	91%	81%	68%	55%	43%	33%	25%	19%	15%	11%	9%	7%	5%	4%	3%	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°
4356	4306	4066	3641	3082	2487	1926	1450	1087	819	619	469	359	280	220	174	137	107	83	64
100%	99%	93%	84%	71%	57%	44%	33%	25%	19%	14%	11%	8%	6%	5%	4%	3%	2%	2%	1%

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°
4356	4245	3975	3522	2970	2387	1860	1429	1096	841	641	487	373	290	230	181	142	110	86	65
100%	97%	91%	81%	68%	55%	43%	33%	25%	19%	15%	11%	9%	7%	5%	4%	3%	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°
4356	4306	4066	3641	3082	2487	1926	1450	1087	819	619	469	359	280	220	174	137	107	83	64
100%	99%	93%	84%	71%	57%	44%	33%	25%	19%	14%	11%	8%	6%	5%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
21.8°	45.3°	68°	99.3%	98.5%