

Photometric / Colorimetric / Electric Report

Fixture Model:
MPT2-S-WD-4-6-WH-40-DIM1-M-350

Trim Model:



Date:
8/7/2024

Light efficiency:
63 Lumen/Watt

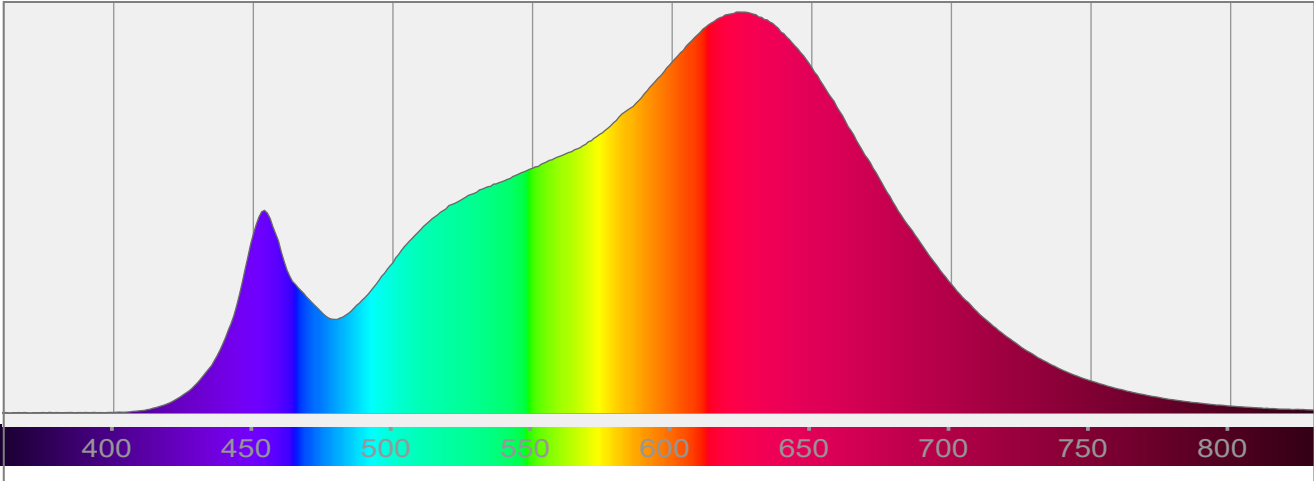
Light quality:
CRI: 96.6

Color temperature:
3008 K

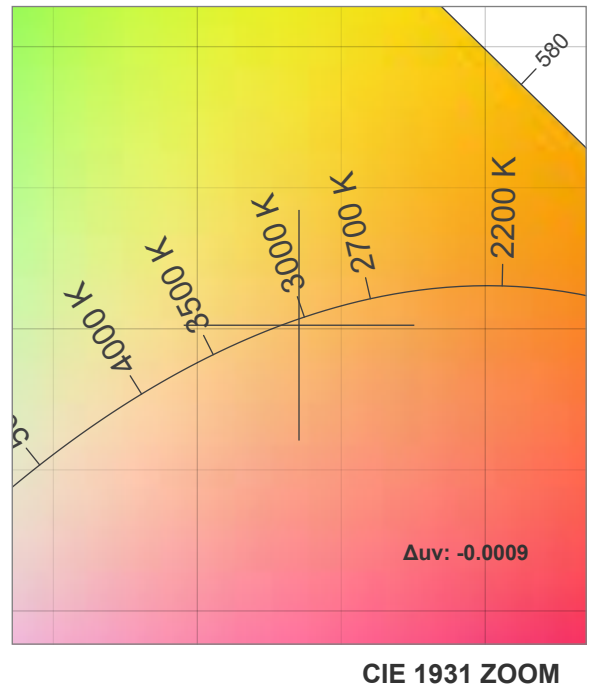
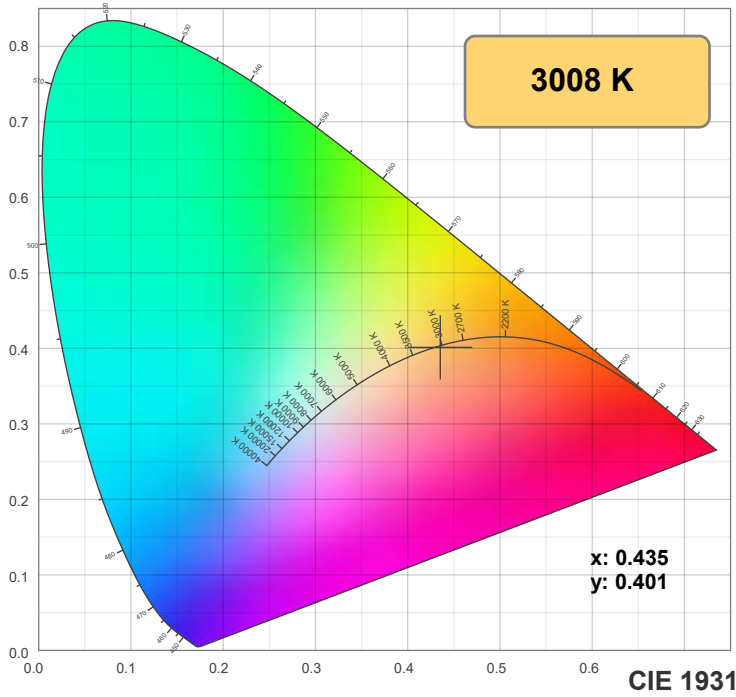
CIE 1931:
x: 0.435
y: 0.401

Output:	916 lm
Peak:	2078 cd
Power:	14.6 W
PF:	0.99

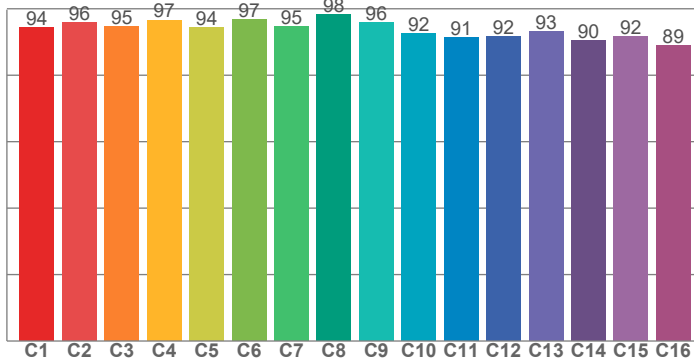
Spectra:



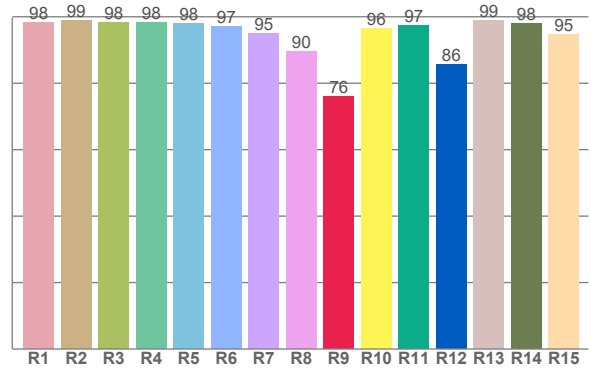
Color Details



TM-30: 94.0



CRI: 96.6 (R1-R8)



CRI R Values:

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.2	99.0	98.2	98.3	97.9	97.2	94.9	89.5	76.1	96.4	97.5	85.7	98.8	98.1	94.7

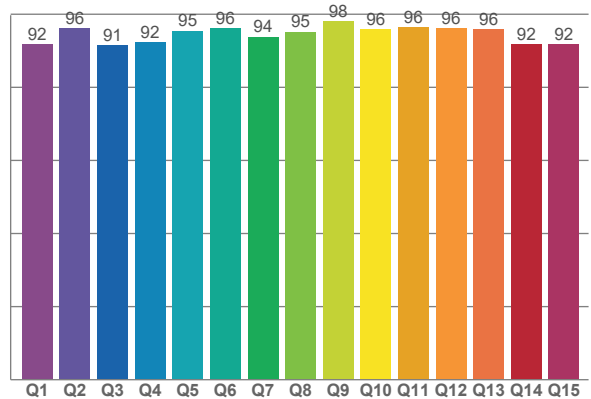
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.2	95.9	94.7	96.6	94.4	96.7	94.7	98.3	95.8	92.5	91.4	91.5	93.1	90.5	91.7	88.9

CQS Q values:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.7	96.2	91.5	92.3	95.5	96.1	93.8	95.2	98.1	96.0	96.3	96.2	95.9	91.8	91.7

CQS: 94.0



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3008 K	96.6	76.1	94.0	100.3	94.0	0.435	0.401	0.251	0.347	-0.0009

TM-30 Details

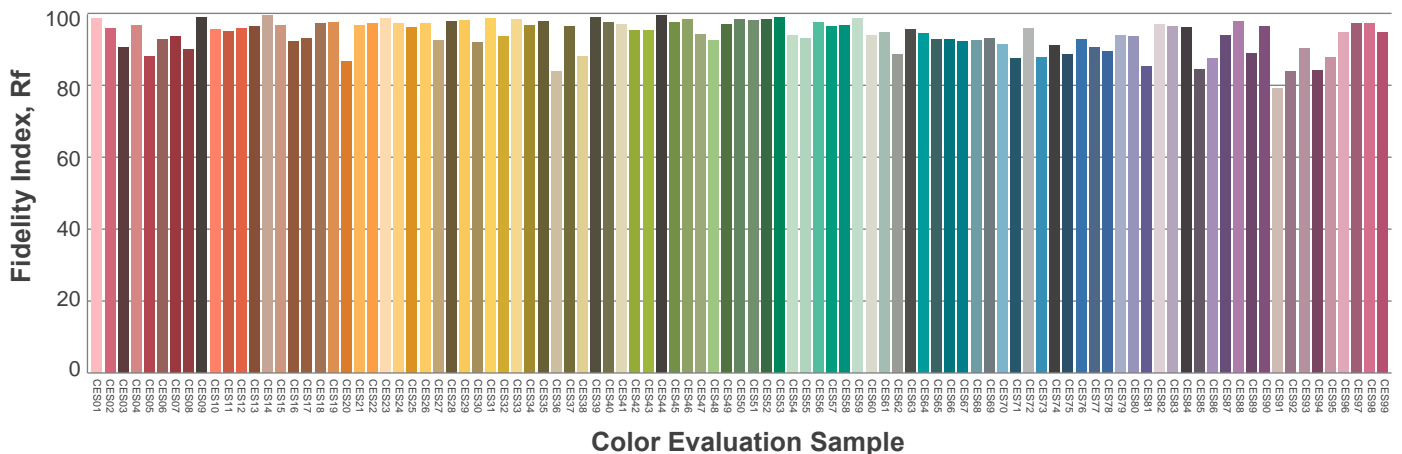
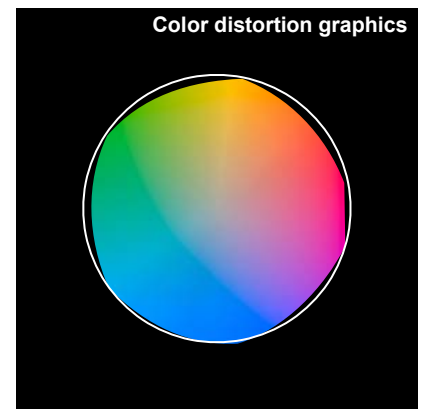
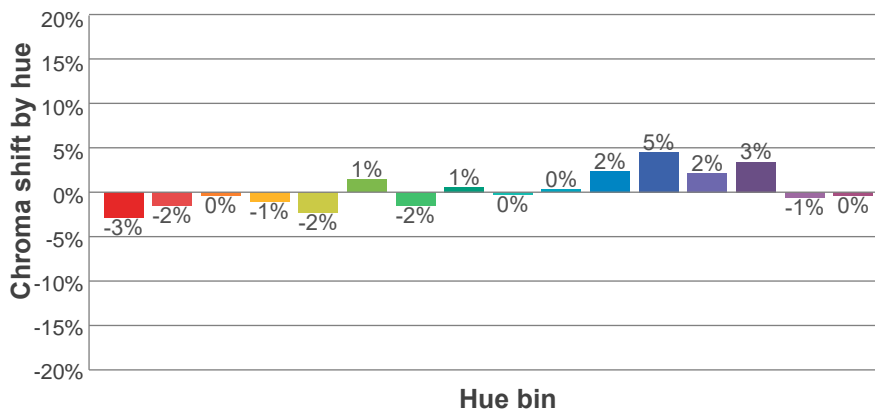
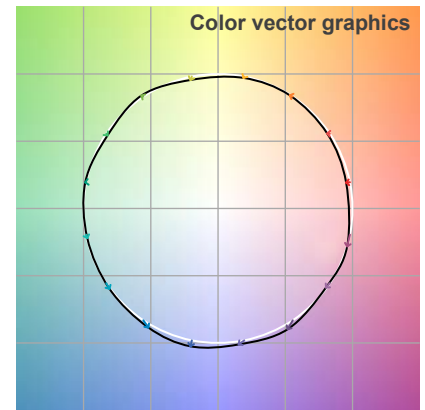
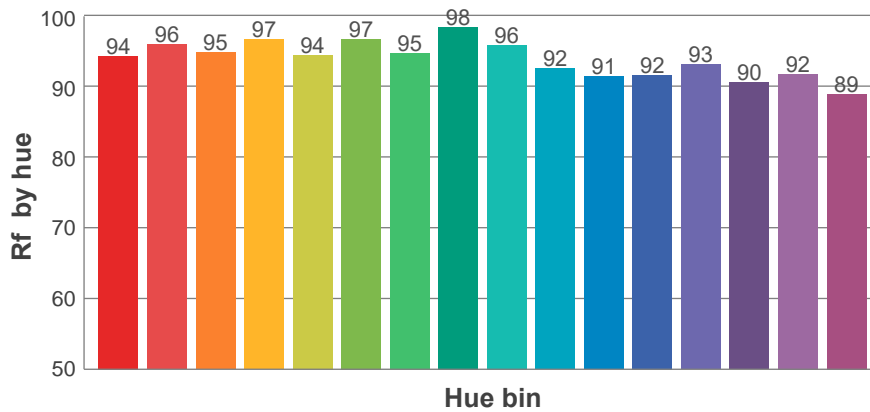
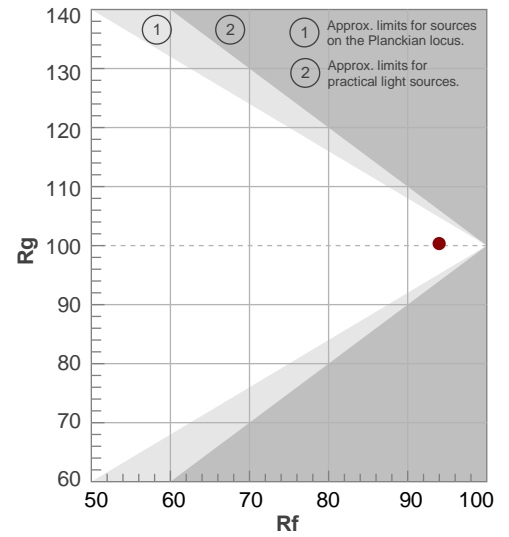
Rf 94.0

Fidelity index Rf

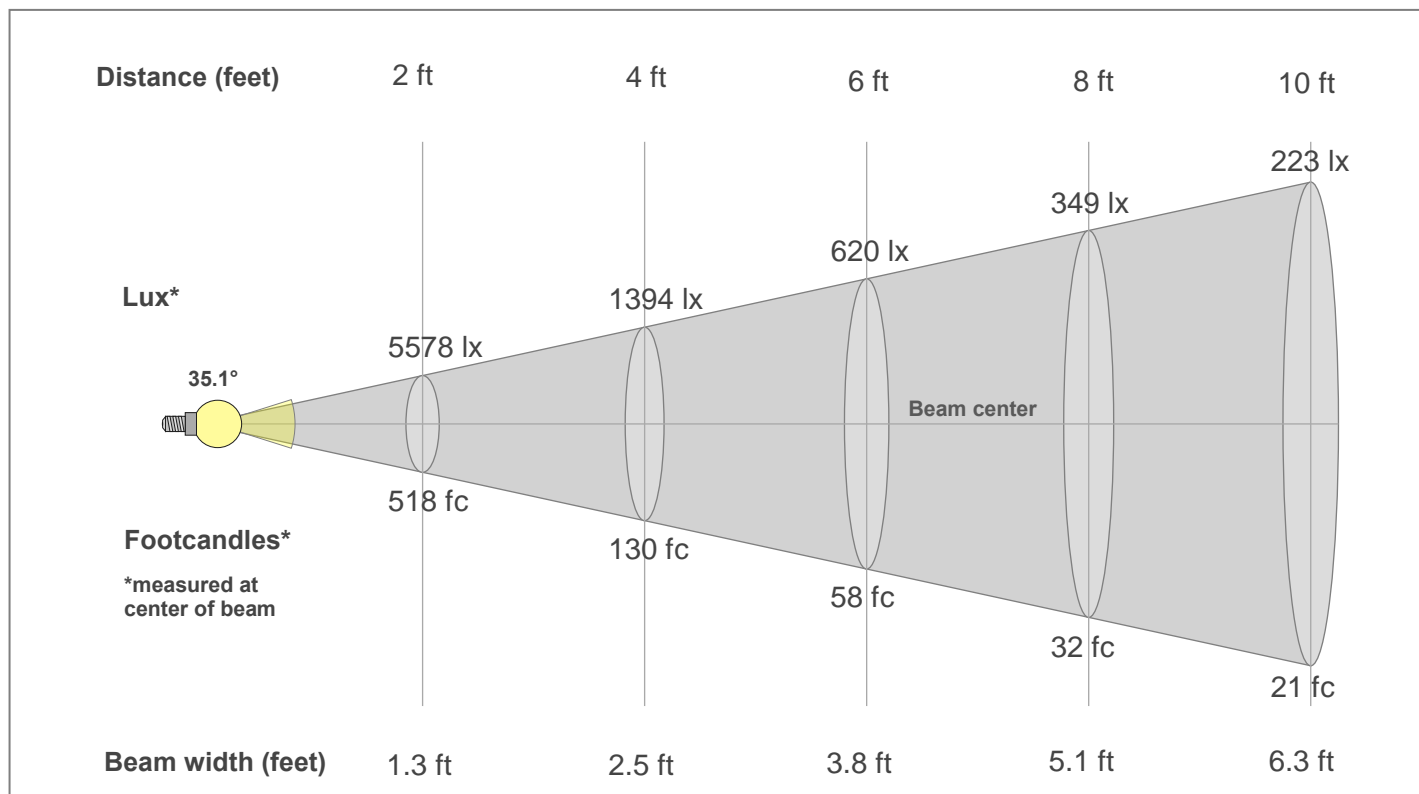
Rg 100.3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	0%
2	96	-2%	1%
3	95	0%	2%
4	97	-1%	0%
5	94	-2%	1%
6	97	1%	1%
7	95	-2%	0%
8	98	1%	0%
9	96	0%	3%
10	92	0%	5%
11	91	2%	6%
12	92	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
2073lx	518lx	230lx	130lx	83lx	58lx	42lx	32lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
192.6fc	48.1fc	21.4fc	12fc	7.7fc	5.3fc	3.9fc	3fc	2.4fc	1.9fc	1.6fc	1.3fc	1.1fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	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°
2073	2051	1995	1908	1794	1658	1507	1343	1169	998	839	697	571	466	380	305	244	193	152	119
100%	99%	96%	92%	87%	80%	73%	65%	56%	48%	40%	34%	28%	22%	18%	15%	12%	9%	7%	6%

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°
2073	2059	2004	1917	1803	1665	1512	1346	1172	1000	842	696	568	462	375	301	239	189	149	116
100%	99%	97%	92%	87%	80%	73%	65%	57%	48%	41%	34%	27%	22%	18%	15%	12%	9%	7%	6%

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°
2073	2051	1995	1908	1794	1658	1507	1343	1169	998	839	697	571	466	380	305	244	193	152	119
100%	99%	96%	92%	87%	80%	73%	65%	56%	48%	40%	34%	28%	22%	18%	15%	12%	9%	7%	6%

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°
2073	2059	2004	1917	1803	1665	1512	1346	1172	1000	842	696	568	462	375	301	239	189	149	116
100%	99%	97%	92%	87%	80%	73%	65%	57%	48%	41%	34%	27%	22%	18%	15%	12%	9%	7%	6%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
35.1°	66.6°	87.8°	99.5%	97.5%