

Photometric / Colorimetric / Electric Report

Fixture Model:

MPT2-S-WD-2-6-WH-25-DIM1-M-350

Trim Model:



Date:

3/31/2022

Light efficiency:

55 Lumen/Watt

Light quality:

CRI: 96.9

Color temperature:

2898 K

CIE 1931:

**x: 0.442
y: 0.401**

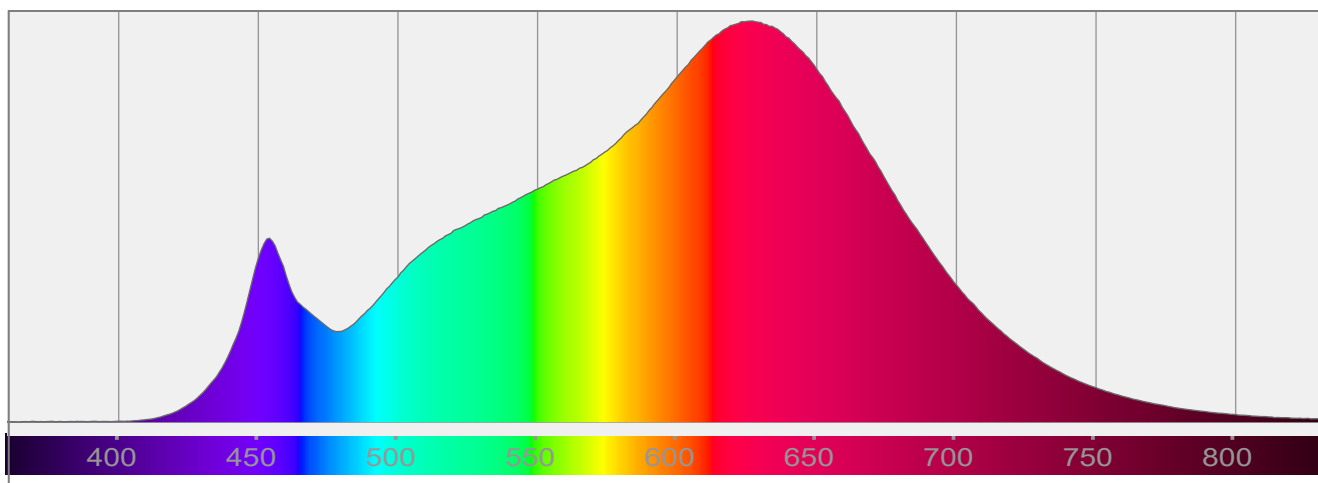
Output: 799 lm

Peak: 2455 cd

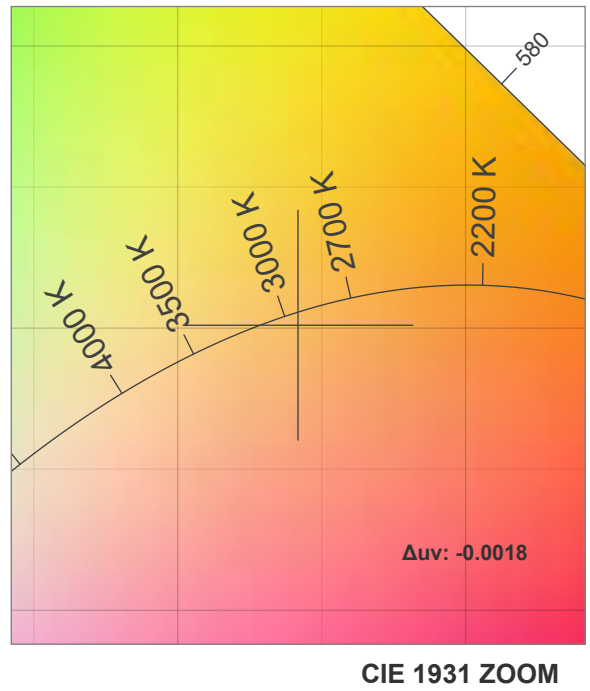
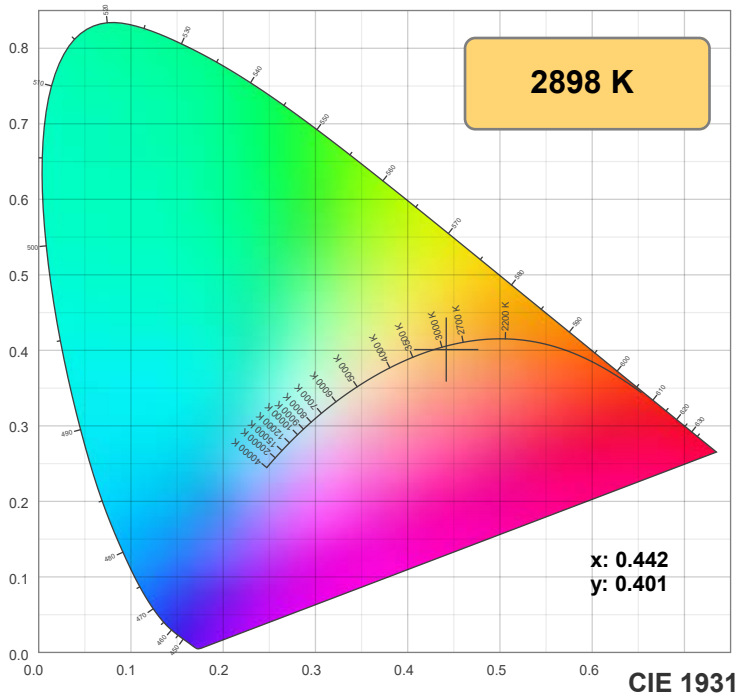
Power: 14.5 W

PF: 1.0

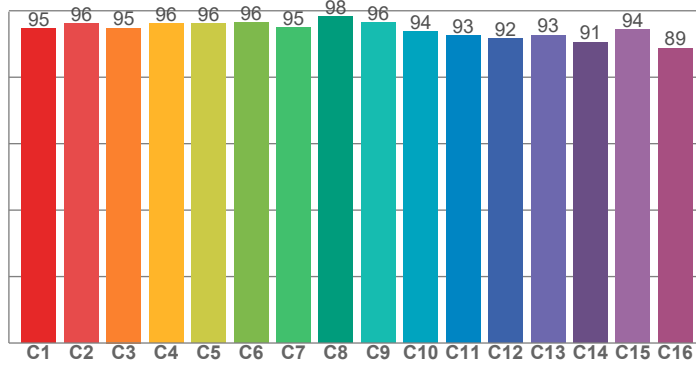
Spectra:



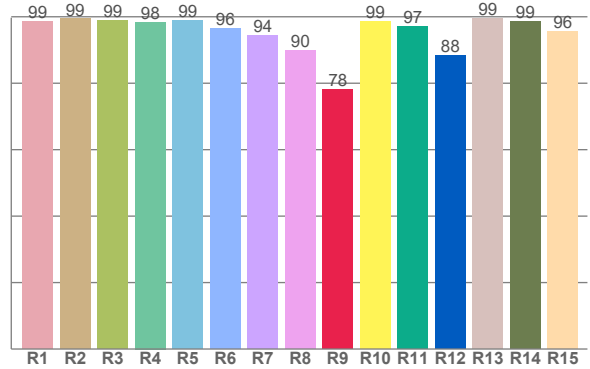
Color Details



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
98.7	99.4	98.9	98.4	98.8	96.5	94.4	89.8	78.0	98.5	97.2	88.3	99.5	98.6	95.6

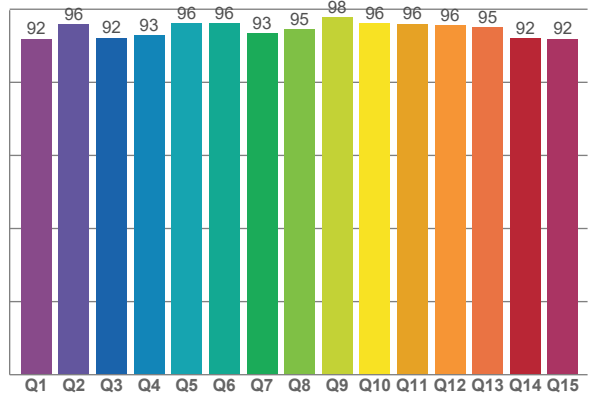
TM30 C Values:

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.6	96.0	94.8	96.1	96.1	96.5	95.0	98.2	96.4	93.7	92.6	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	92.2	93.0	96.1	96.1	93.5	94.6	97.7	96.1	96.0	95.6	95.2	92.1	91.9

CQS: 94.1



Color Parameters:

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2898 K	96.9	78.0	94.4	100.6	94.1	0.442	0.401	0.255	0.347	-0.0018

TM-30 Details

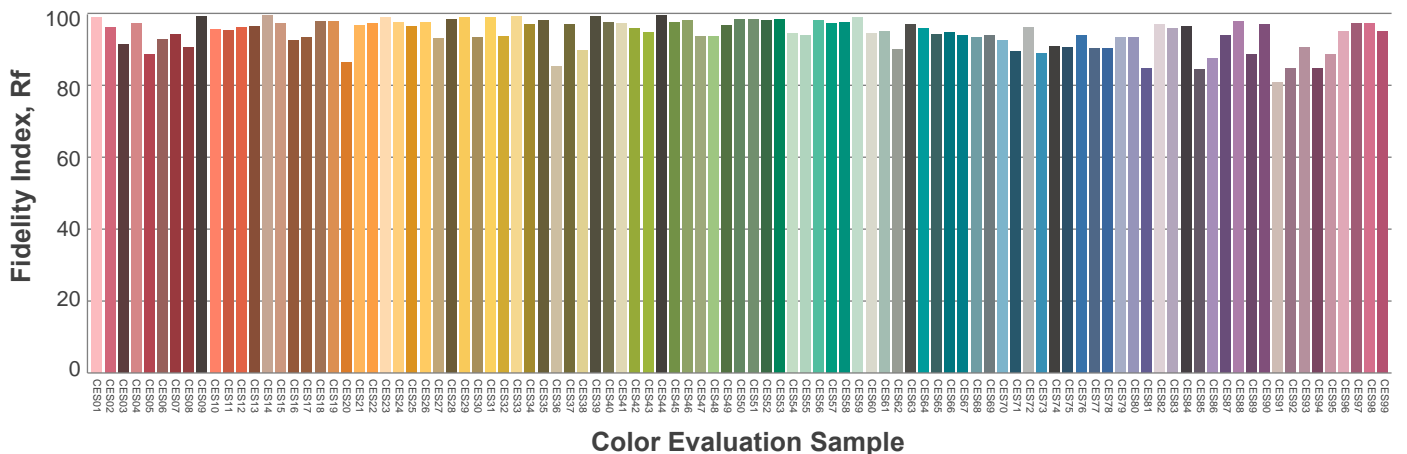
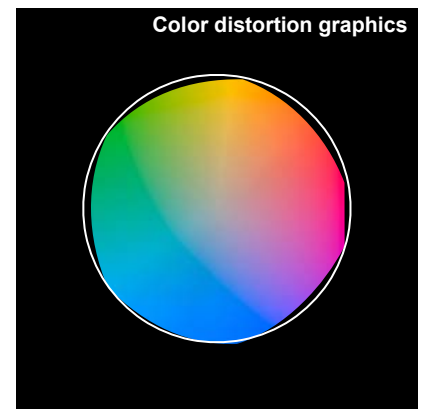
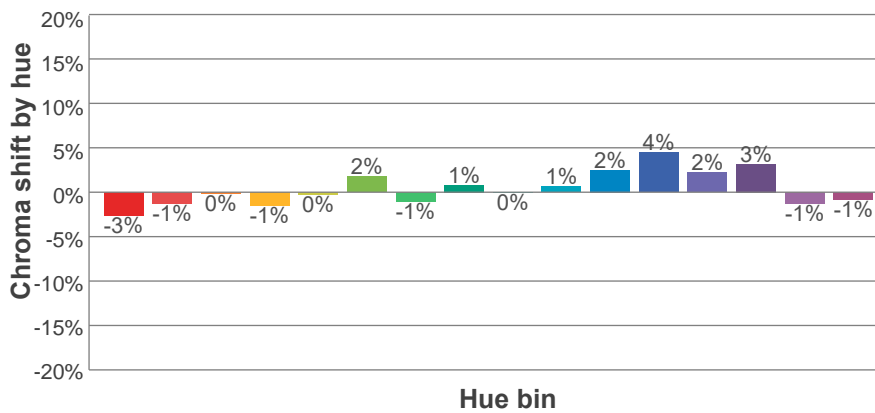
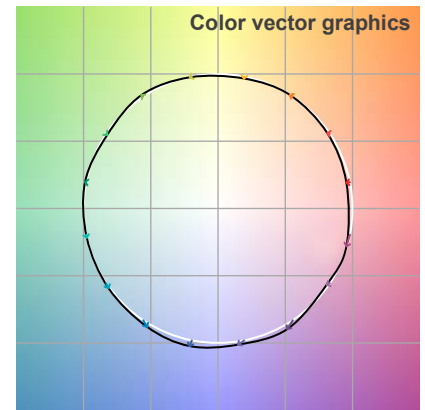
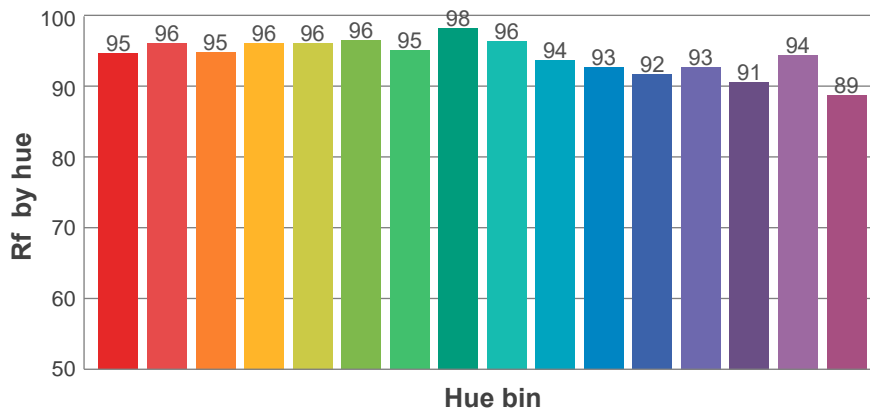
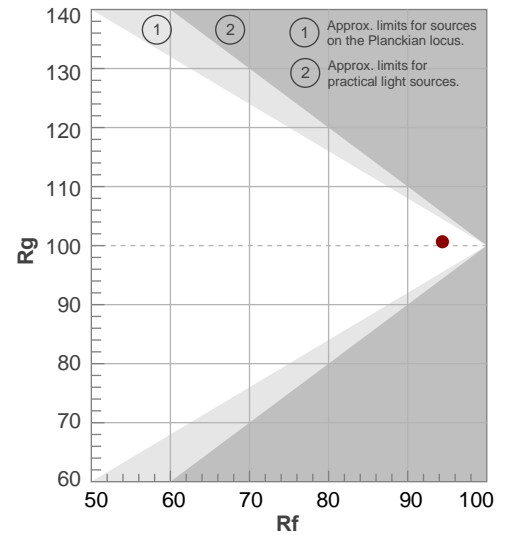
Rf 94.4

Fidelity index Rf

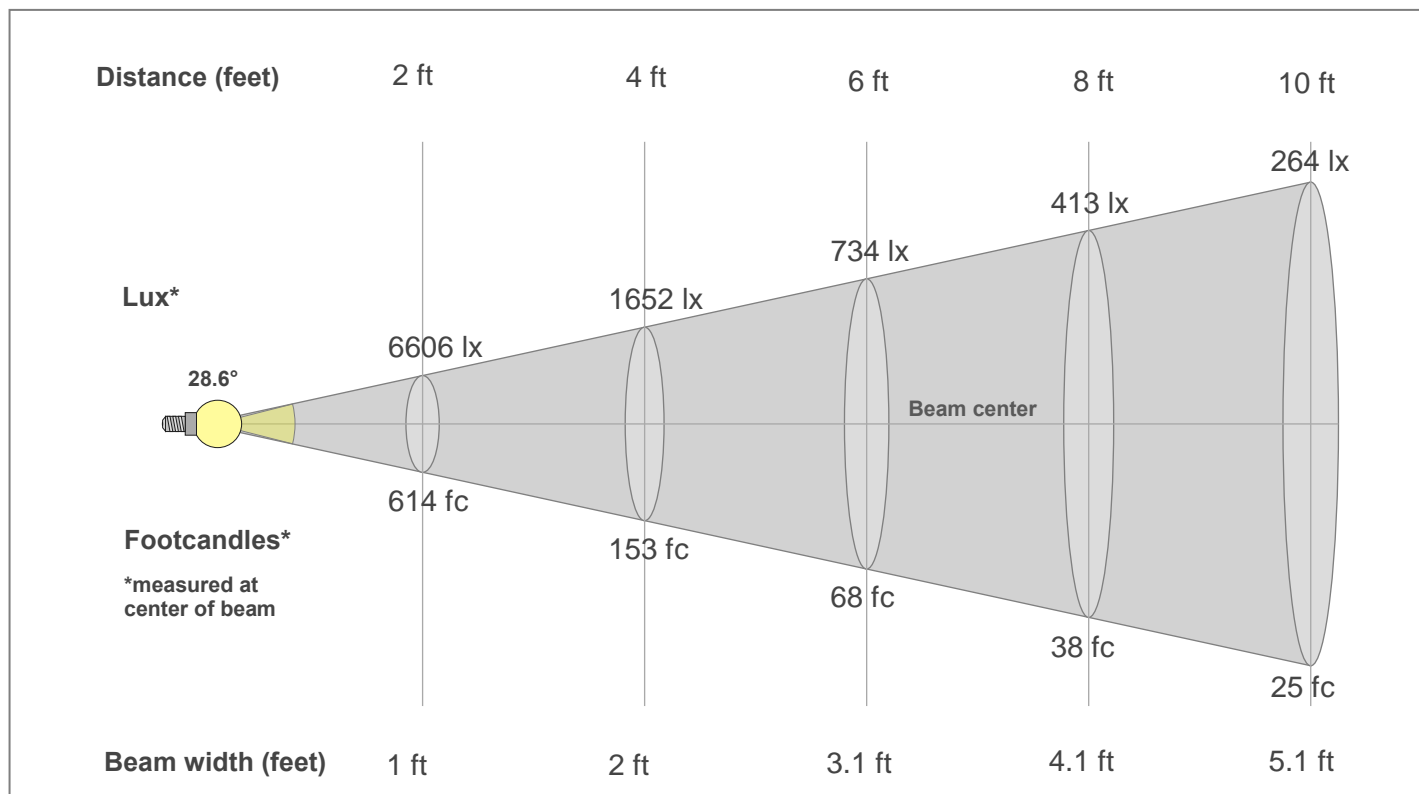
Rg 100.6

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-1%	1%
3	95	0%	2%
4	96	-1%	0%
5	96	0%	2%
6	96	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
2455lx	614lx	273lx	153lx	98lx	68lx	50lx	38lx	30lx	25lx	20lx	17lx	15lx	13lx	11lx	10lx	8lx	8lx	7lx	6lx
228.1fc	57fc	25.3fc	14.3fc	9.1fc	6.3fc	4.7fc	3.6fc	2.8fc	2.3fc	1.9fc	1.6fc	1.3fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.6fc

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°
2455	2419	2312	2148	1950	1728	1499	1263	1037	833	661	515	406	319	255	205	168	138	114	93
100%	99%	94%	88%	79%	70%	61%	51%	42%	34%	27%	21%	17%	13%	10%	8%	7%	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°
2455	2418	2310	2150	1951	1730	1498	1262	1039	834	660	511	400	312	248	199	162	134	110	91
100%	98%	94%	88%	79%	70%	61%	51%	42%	34%	27%	21%	16%	13%	10%	8%	7%	5%	4%	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°
2455	2419	2312	2148	1950	1728	1499	1263	1037	833	661	515	406	319	255	205	168	138	114	93
100%	99%	94%	88%	79%	70%	61%	51%	42%	34%	27%	21%	17%	13%	10%	8%	7%	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°
2455	2418	2310	2150	1951	1730	1498	1262	1039	834	660	511	400	312	248	199	162	134	110	91
100%	98%	94%	88%	79%	70%	61%	51%	42%	34%	27%	21%	16%	13%	10%	8%	7%	5%	4%	4%

Beam angle 50%	Field angle 10%	Cut-off angle 2.5%	Intensity ratio in 120°	Intensity ratio in 90°
28.6°	56.4°	83.4°	99.4%	97.5%