

## Photometric / Colorimetric / Electric Report

Fixture Model:

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

Trim Model:

Date:

**3/25/2022**



Light efficiency:

**56 Lumen/Watt**

Light quality:

**CRI: 96.8**

Color temperature:

**3118 K**

CIE 1931:

**x: 0.428  
y: 0.399**

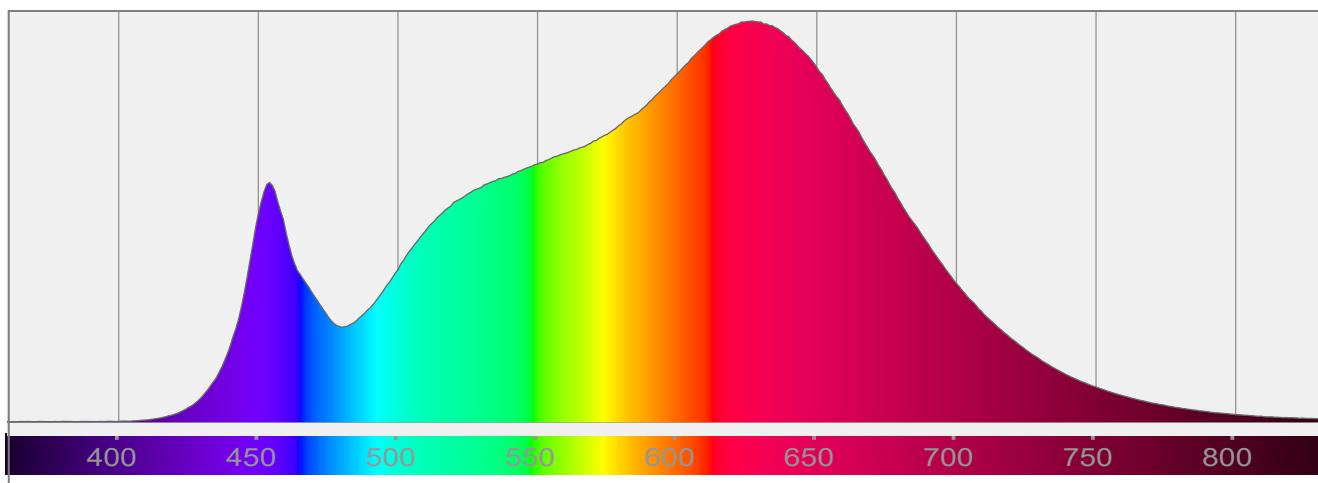
**Output: 817 lm**

**Peak: 2496 cd**

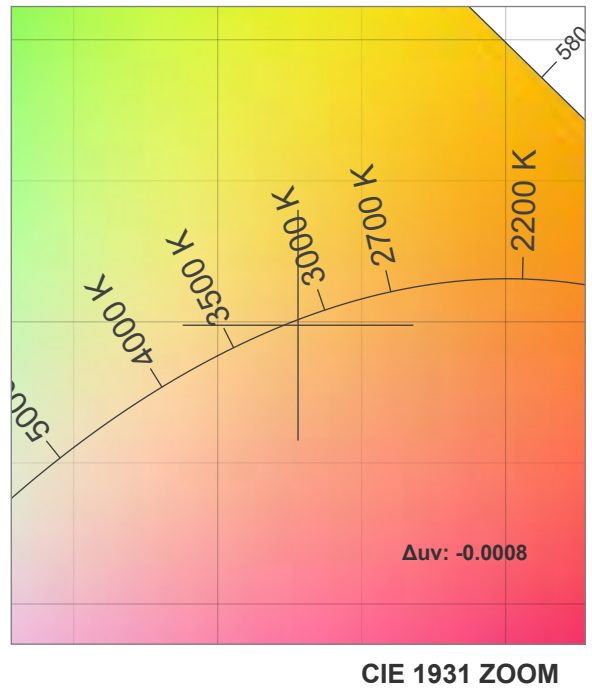
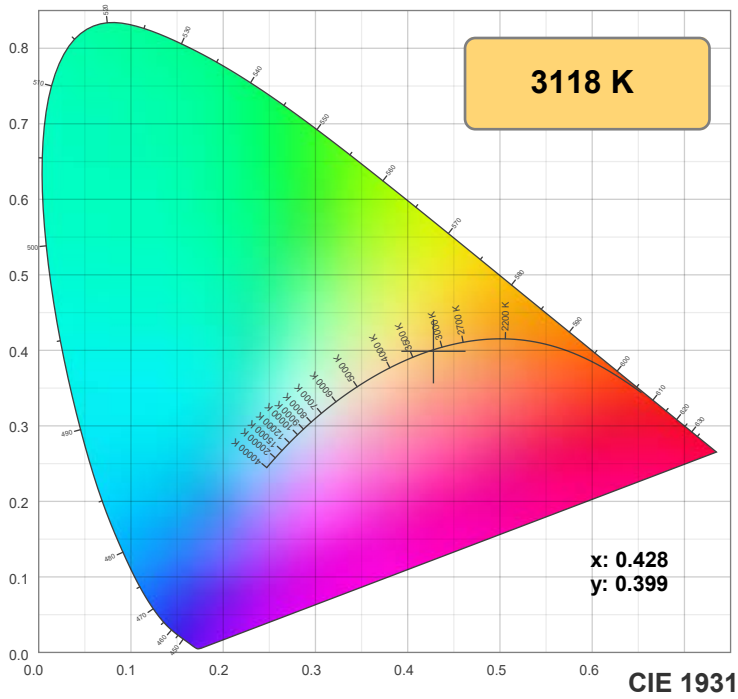
**Power: 14.6 W**

**PF: 0.99**

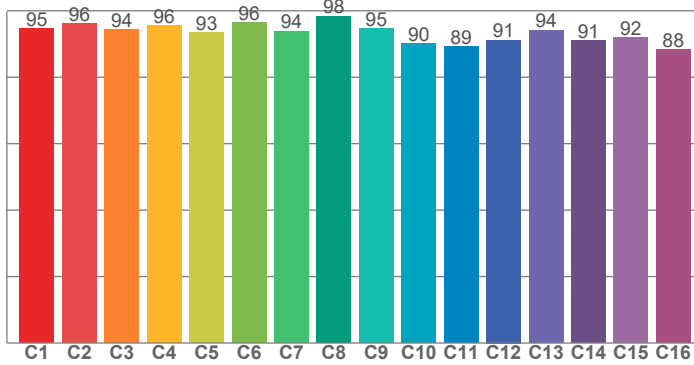
Spectra:



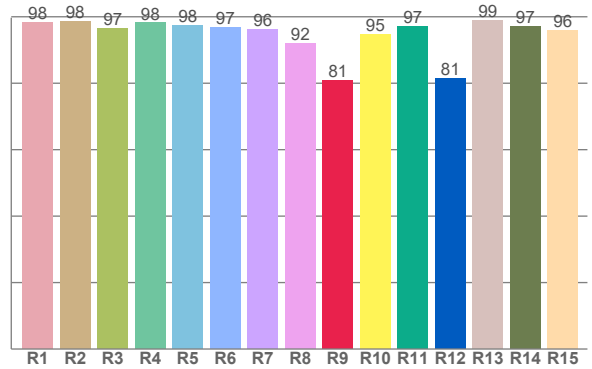
## Color Details



**TM-30: 93.5**



**CRI: 96.8 (R1-R8)**



**CRI R Values:**

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98.3	98.5	96.6	98.2	97.5	96.8	96.3	92.0	80.8	94.7	97.2	81.4	98.8	97.1	95.8

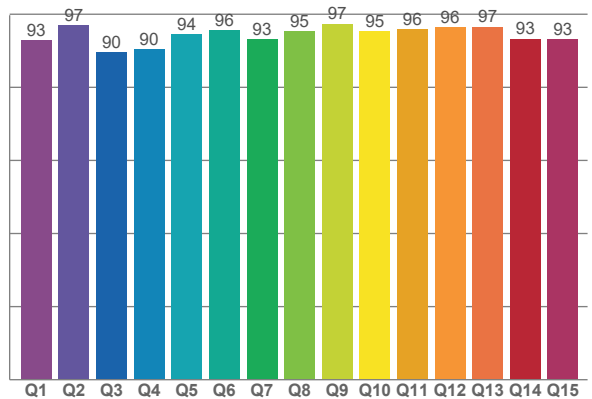
**TM30 C Values:**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.7	96.1	94.4	95.6	93.4	96.4	93.9	98.4	94.7	90.1	89.3	91.2	94.2	91.0	91.9	88.4

**CQS Q values:**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.9	96.9	89.6	90.5	94.4	95.7	93.2	95.3	97.4	95.4	96.0	96.4	96.6	93.3	93.1

**CQS: 93.9**



**Color Parameters:**

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	$\Delta uv$
3118 K	96.8	80.8	93.5	100.7	93.9	0.428	0.399	0.247	0.345	-0.0008

# TM-30 Details

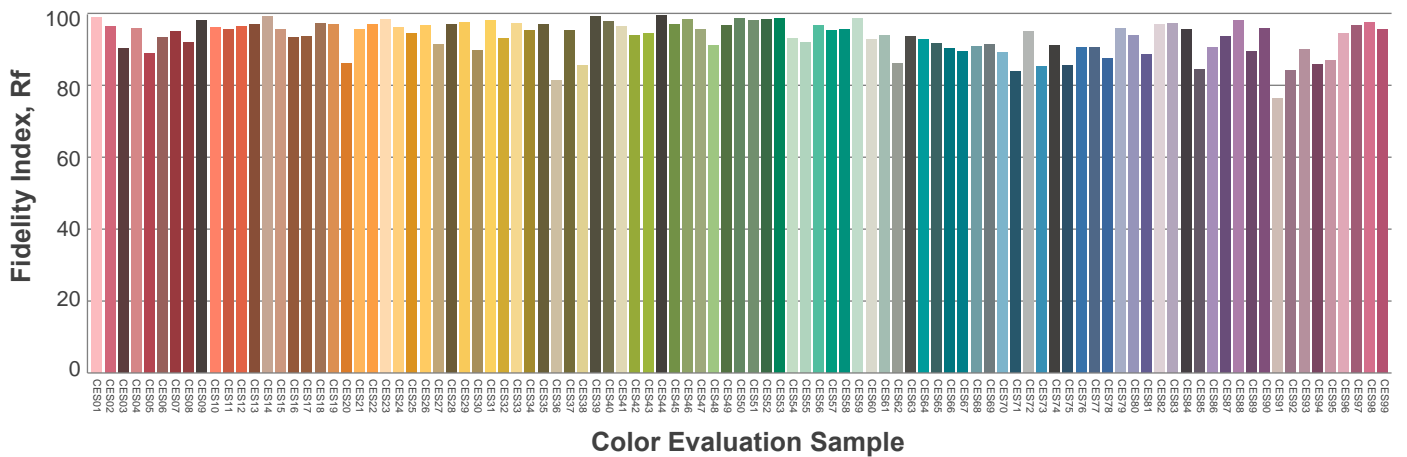
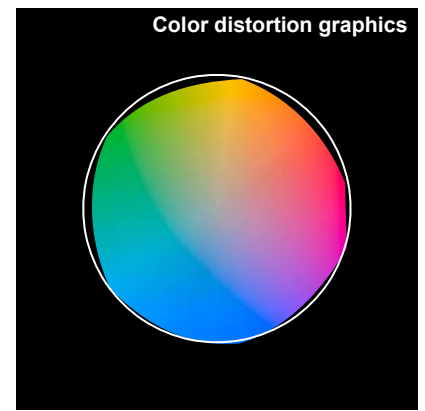
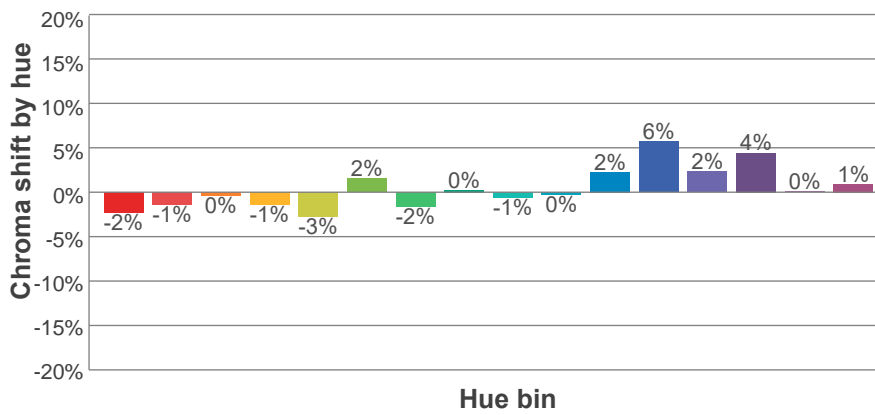
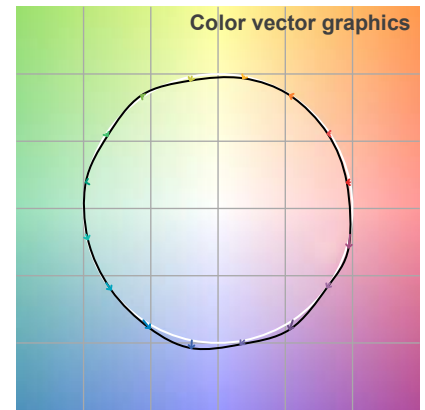
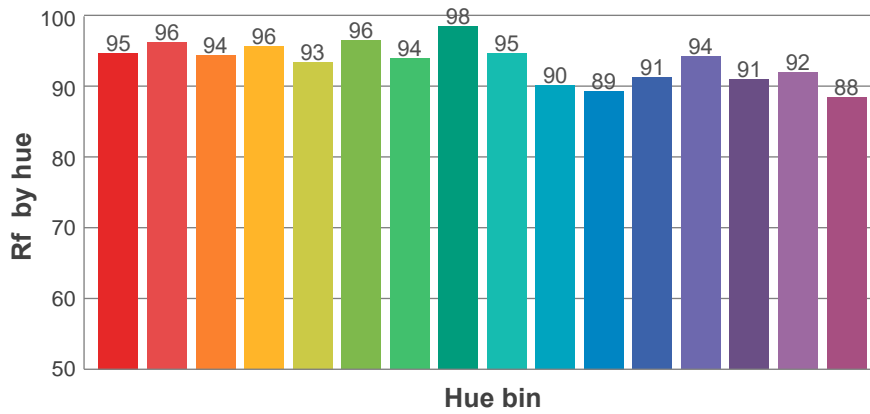
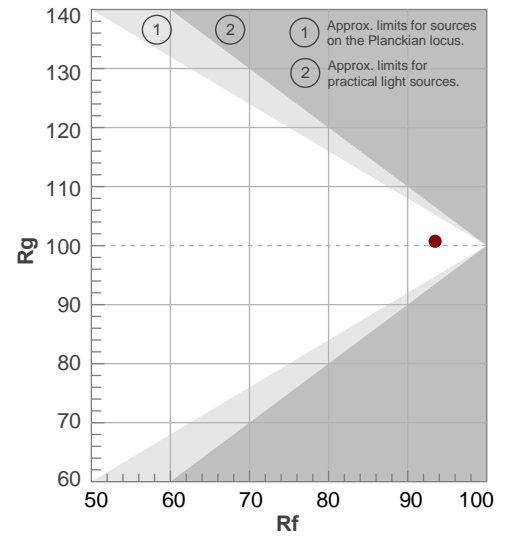
**Rf 93.5**

Fidelity index Rf

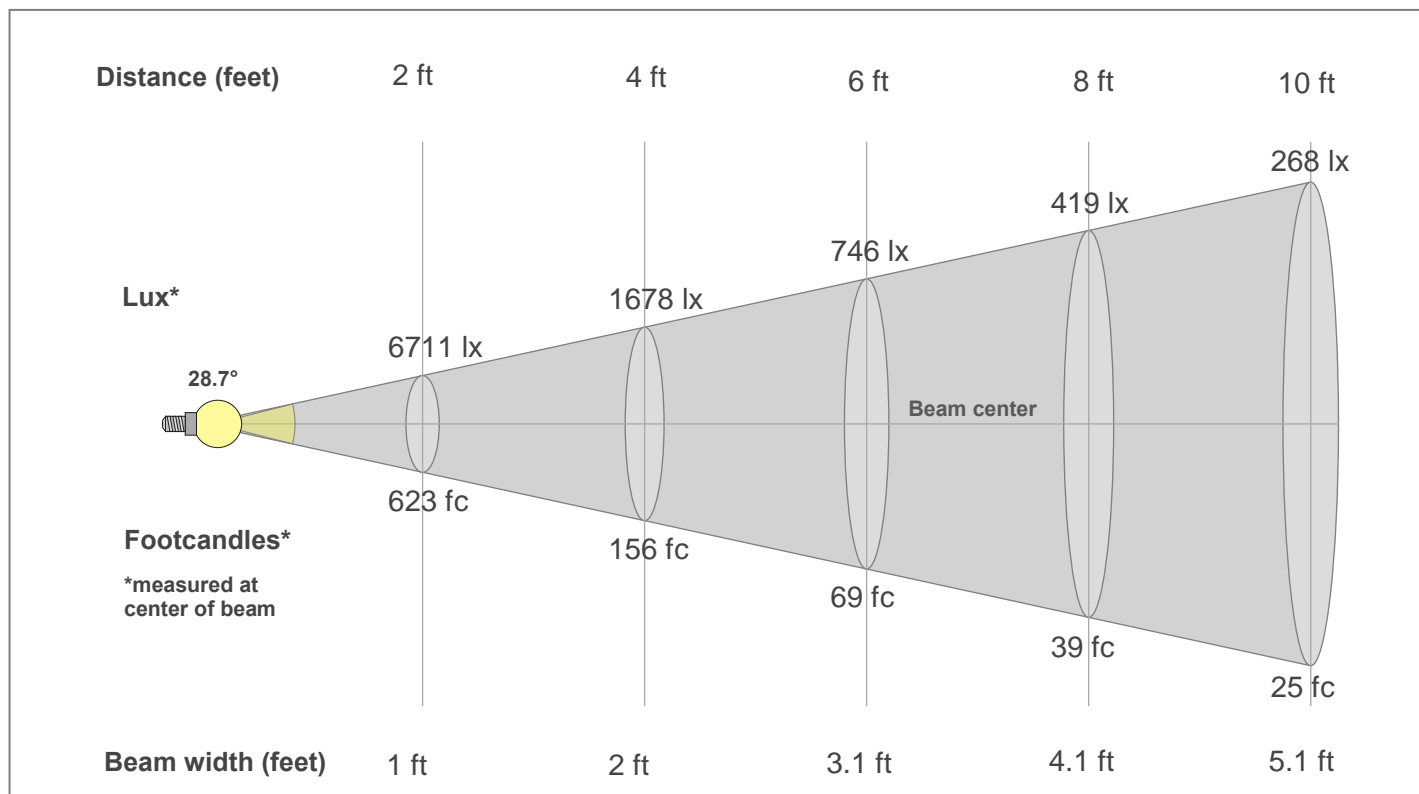
**Rg 100.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	94	0%	2%
4	96	-1%	1%
5	93	-3%	2%
6	96	2%	1%
7	94	-2%	1%
8	98	0%	0%
9	95	-1%	4%
10	90	0%	6%
11	89	2%	7%
12	91	6%	1%
13	94	2%	-3%
14	91	4%	-6%
15	92	0%	-4%
16	88	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
2494lx	623lx	277lx	156lx	100lx	69lx	51lx	39lx	31lx	25lx	21lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
231.7fc	57.9fc	25.7fc	14.5fc	9.3fc	6.4fc	4.7fc	3.6fc	2.9fc	2.3fc	1.9fc	1.6fc	1.4fc	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°
2494	2458	2349	2186	1987	1764	1532	1293	1066	859	683	532	420	330	263	212	173	142	117	96
100%	99%	94%	88%	80%	71%	61%	52%	43%	34%	27%	21%	17%	13%	11%	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°
2494	2458	2350	2186	1985	1759	1524	1281	1053	844	665	515	400	314	249	201	164	135	112	92
100%	99%	94%	88%	80%	71%	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°
2494	2458	2349	2186	1987	1764	1532	1293	1066	859	683	532	420	330	263	212	173	142	117	96
100%	99%	94%	88%	80%	71%	61%	52%	43%	34%	27%	21%	17%	13%	11%	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°
2494	2458	2350	2186	1985	1759	1524	1281	1053	844	665	515	400	314	249	201	164	135	112	92
100%	99%	94%	88%	80%	71%	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°
28.7°	56.5°	83.6°	99.2%	97.3%