

MOD TW100



Light Efficiency:

16 Lumen/Watt

Light Quality:

CRI: 93.0

Color Temperature:

3247 K

Output: 1831 lm

Peak: 8997 cd

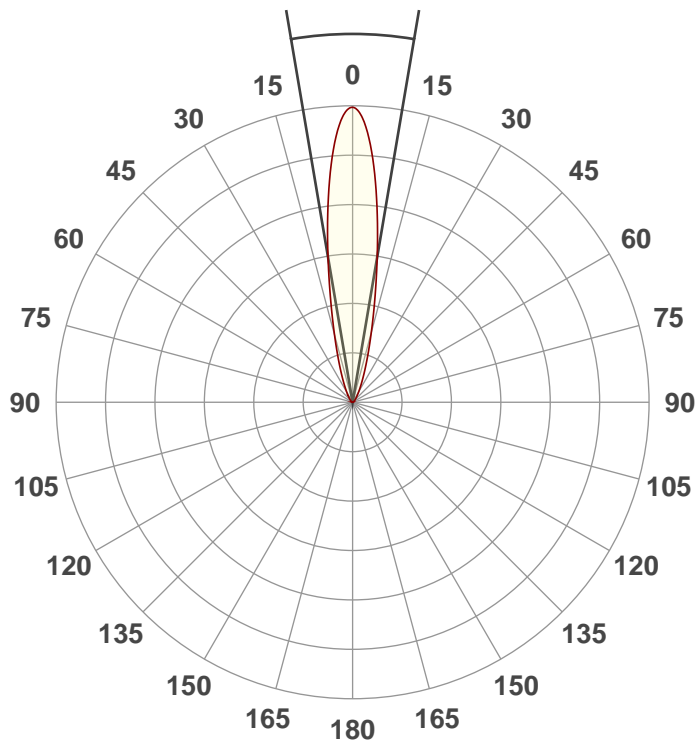
Power: 114 W

PF: 0.64



Beam Angle

19.2°



Test:

20Deg Full On

Date:

11/26/2018

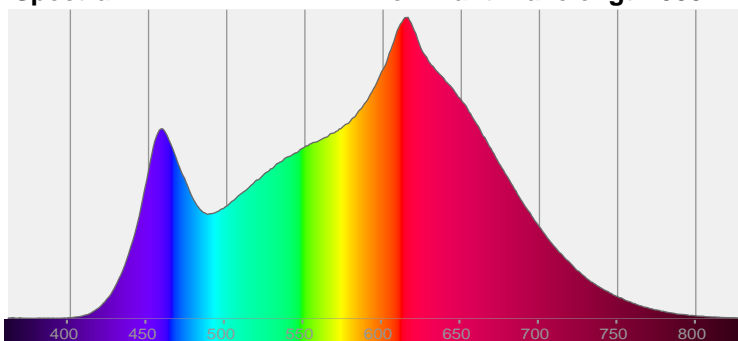
Note:



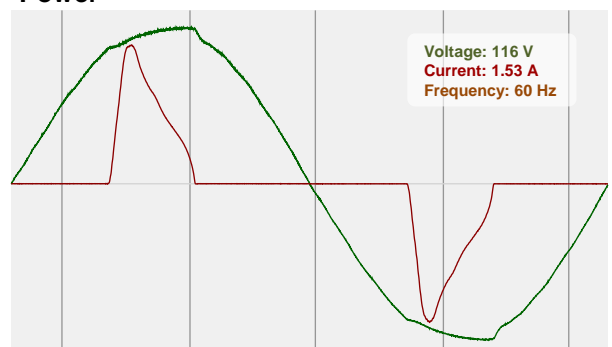
CIE 1931
x: 0.409
y: 0.370

Spectra

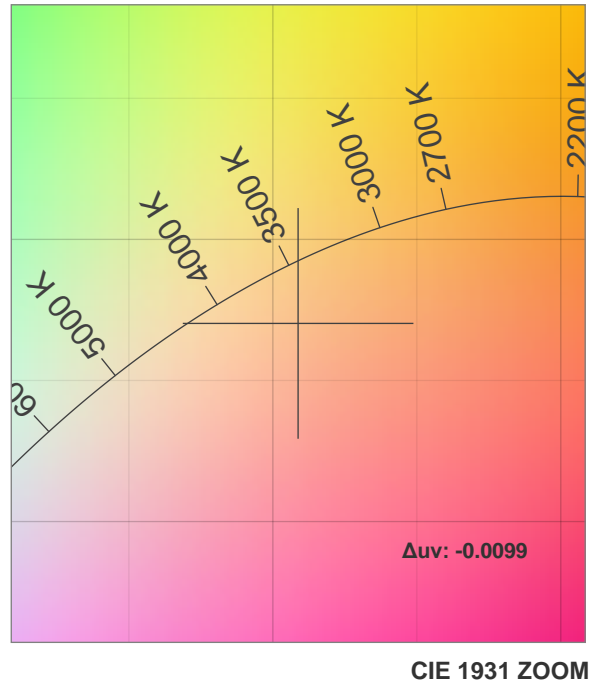
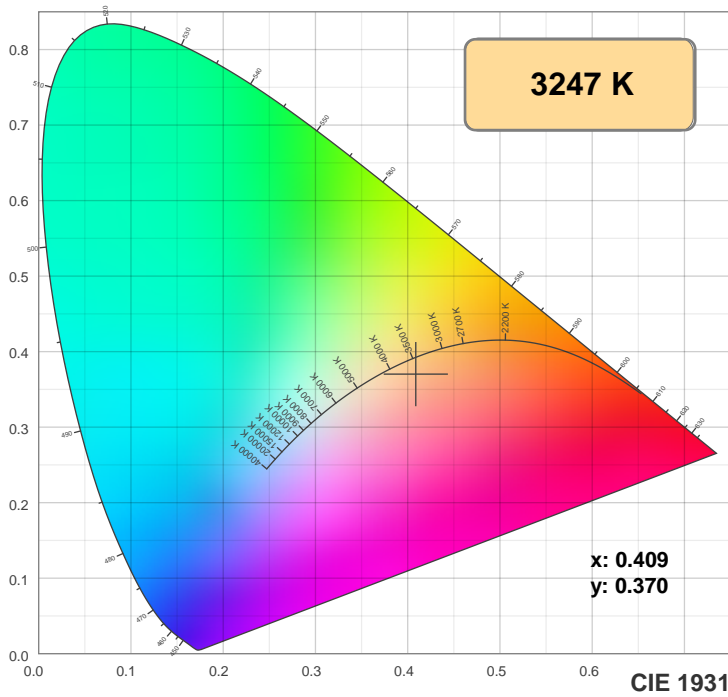
Dominant Wavelength: 588nm



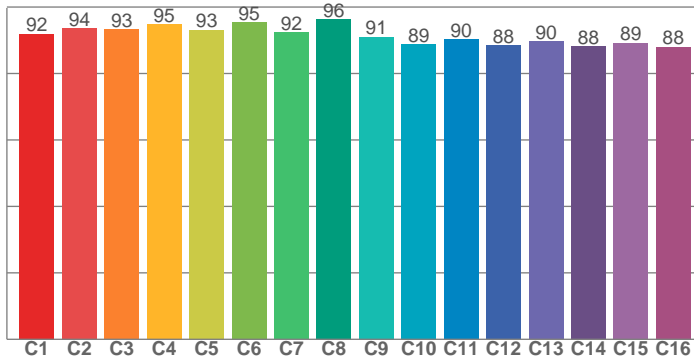
Power



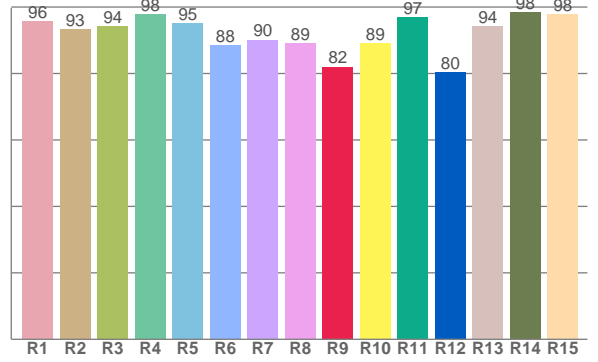
Color Details



TM30: 91.7



CRI: 93.0 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.6	93.4	94.3	97.9	95.2	88.5	90.2	89.1	82.0	89.2	96.9	80.3	94.1	98.4	97.7

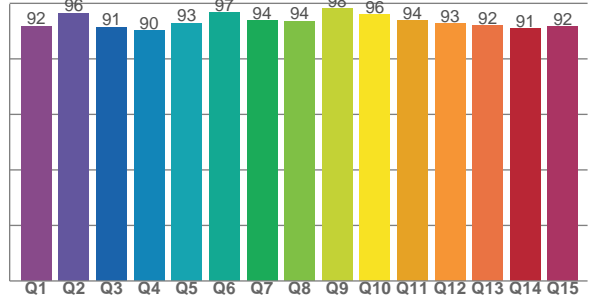
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.9	93.6	93.3	94.8	93.1	95.4	92.4	96.3	91.0	88.8	90.2	88.4	89.6	88.2	89.2	88.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.4	91.4	90.2	92.9	96.7	93.8	93.5	98.2	95.8	93.8	92.6	92.0	91.0	91.6

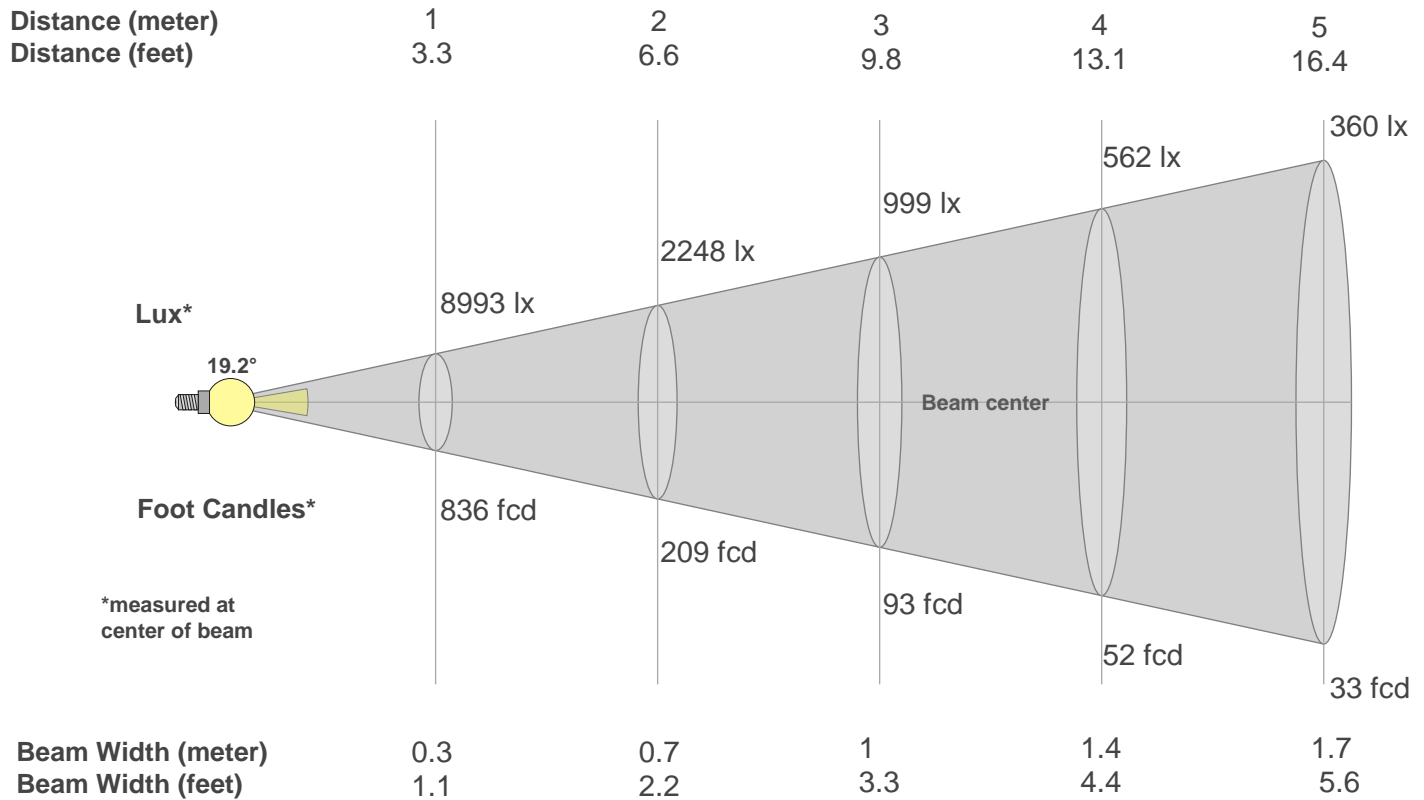
CQS: 93.0



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3247 K	93.0	82.0	91.7	100.9	93.0	0.409	0.370	0.247	0.335	-0.0099

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	8993	2248	999	562	360	250	184	141	111	90	74	62	53	46	40	35	31	28	25	22
fcd	835.5	208.9	92.8	52.2	33.4	23.2	17.1	13.1	10.3	8.4	6.9	5.8	4.9	4.3	3.7	3.3	2.9	2.6	2.3	2.1

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°
8993	8723	7911	6769	5494	4275	3247	2455	1871	1437	1114	871	688	550	443	361	296	249	214	179
100%	97%	88%	75%	61%	48%	36%	27%	21%	16%	12%	10%	8%	6%	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°
8993	8723	7911	6769	5494	4275	3247	2455	1871	1437	1114	871	688	550	443	361	296	249	214	179
100%	97%	88%	75%	61%	48%	36%	27%	21%	16%	12%	10%	8%	6%	5%	4%	3%	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°
8993	8680	7846	6709	5460	4284	3299	2522	1935	1495	1162	912	721	576	464	378	310	257	217	187
100%	97%	87%	75%	61%	48%	37%	28%	22%	17%	13%	10%	8%	6%	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°
8993	8680	7846	6709	5460	4284	3299	2522	1935	1495	1162	912	721	576	464	378	310	257	217	187
100%	97%	87%	75%	61%	48%	37%	28%	22%	17%	13%	10%	8%	6%	5%	4%	3%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.2°	43.8°	71°	98.4%	93.6%