

# MOD TW100



Light Efficiency:

12 Lumen/Watt

Light Quality:

CRI: -16.7

Color Temperature:

1362 K

Output: 363 lm

Peak: 672 cd

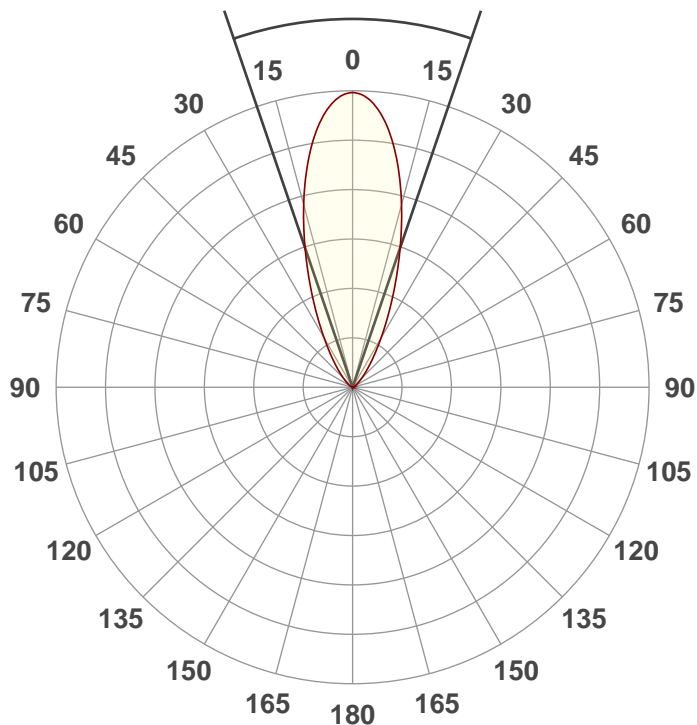
Power: 30.7 W

PF: 0.6



Beam Angle

37.7°



Test:

60Deg Amber

Date:

11/27/2018

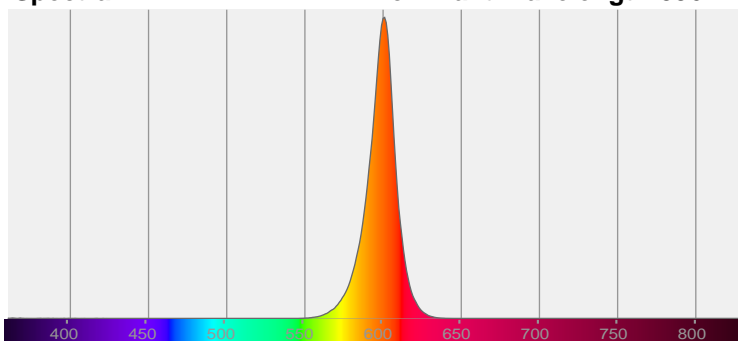
Note:



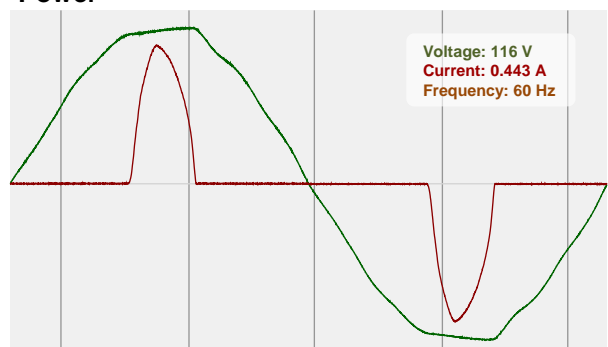
CIE 1931  
x: 0.610  
y: 0.389

Spectra

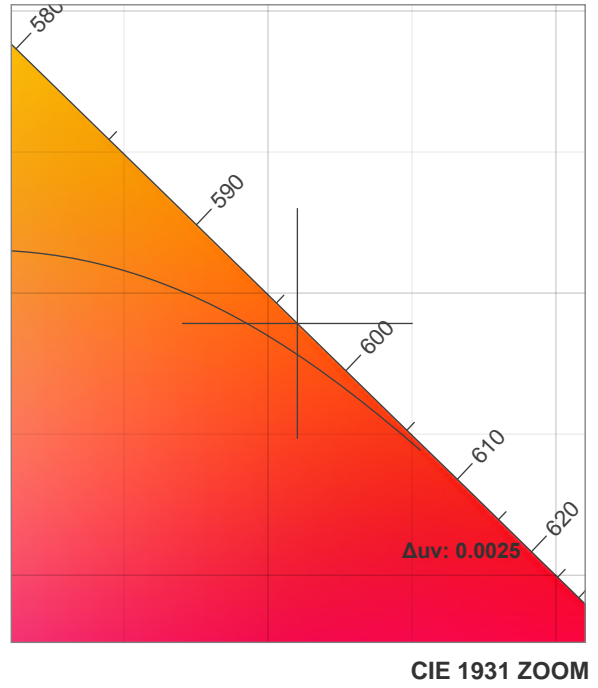
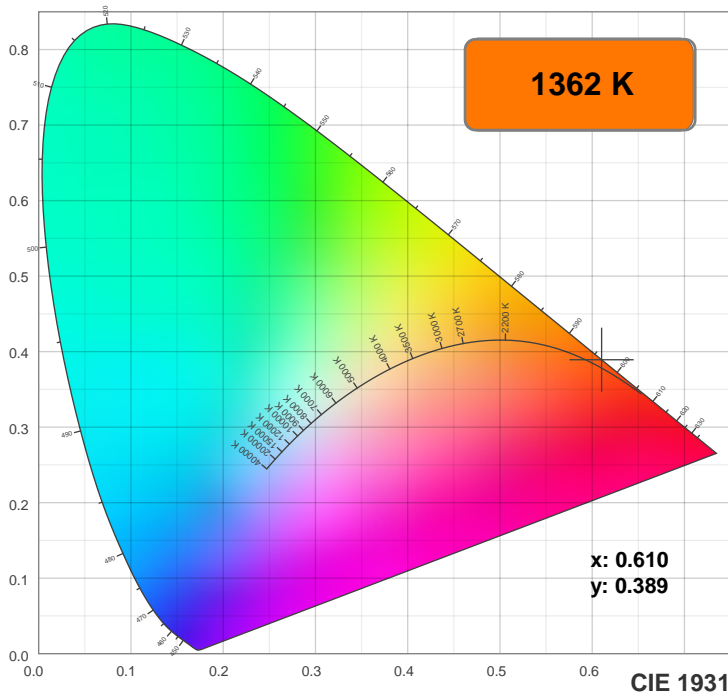
Dominant Wavelength: 596nm



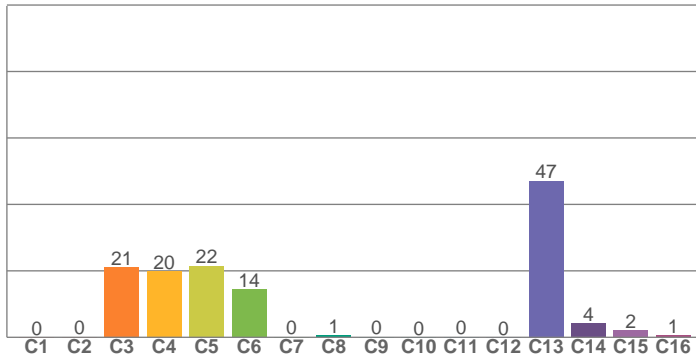
Power



## Color Details



TM30: 0.5



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
-25.8	58.9	13.5	-63.2	-35.6	56.2	-9.0	-128.7	-354.5	41.8	-83.8	15.9	-5.8	45.1	-60.9

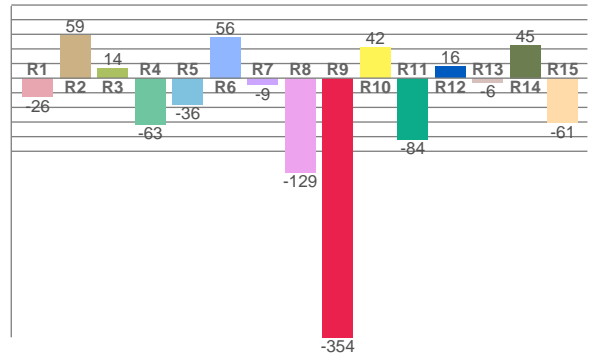
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.1	21.1	19.9	21.5	14.4	0.1	0.5	0.1	0.0	0.2	0.0	47.1	4.1	2.0	0.6

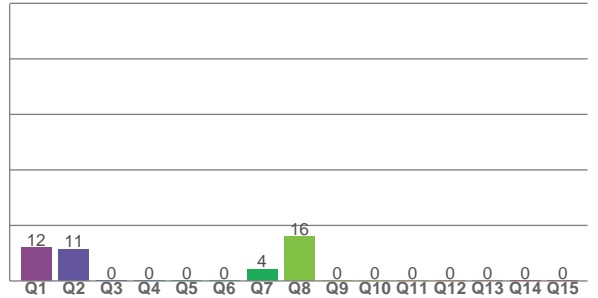
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.9	11.4	0.0	0.0	0.0	0.2	4.2	16.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0

CRI: -16.7 (R1-R8)



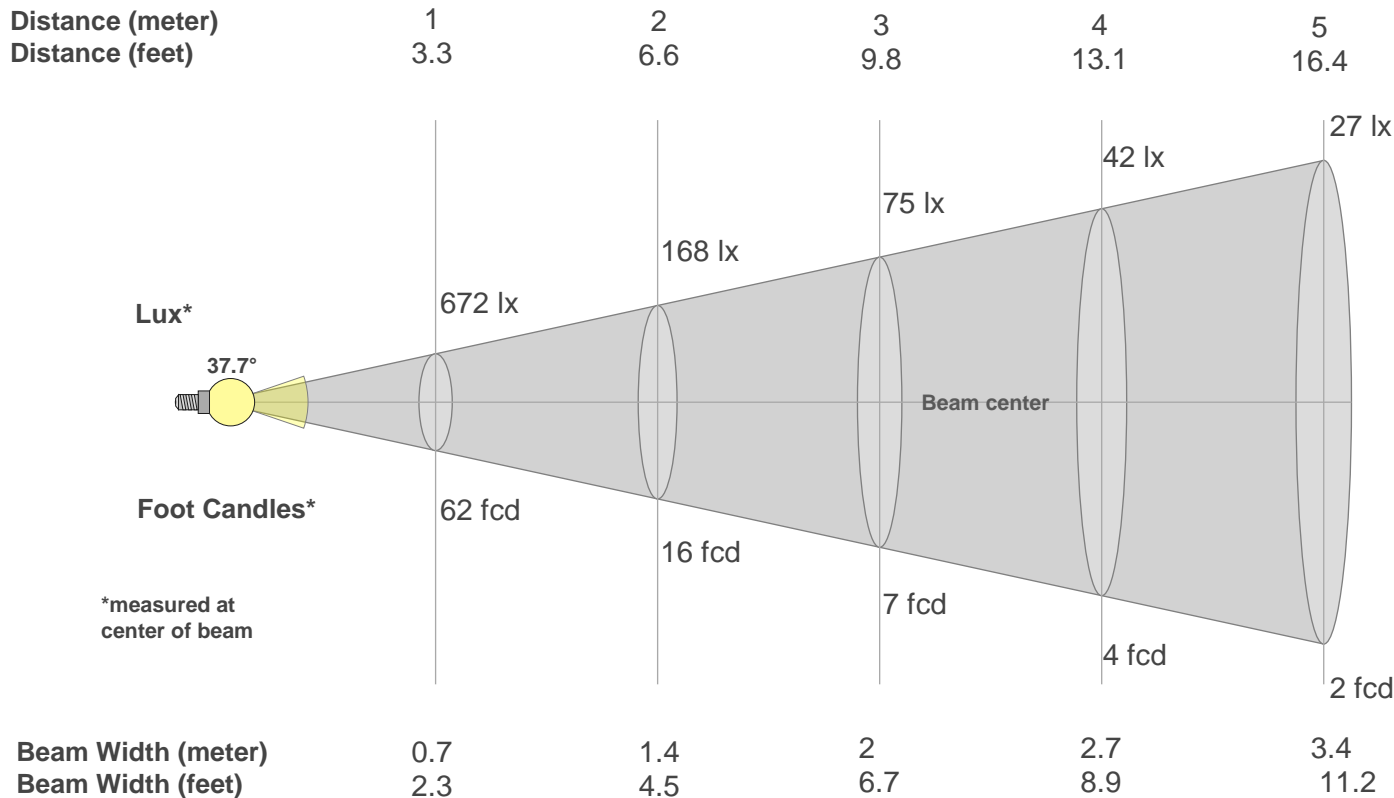
CQS: 0.0



## 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	$\Delta uv$
1362 K	-16.7	-354.5	0.5	0.4	0.0	0.610	0.389	0.378	0.362	0.0025

## 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	672	168	75	42	27	19	14	10	8	7	6	5	4	3	3	3	2	2	2	2
fcd	62.4	15.6	6.9	3.9	2.5	1.7	1.3	1	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2

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°
672	666	650	625	591	550	505	456	406	356	309	264	224	188	157	130	107	89	73	60
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	39%	33%	28%	23%	19%	16%	13%	11%	9%

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°
672	666	650	625	591	550	505	456	406	356	309	264	224	188	157	130	107	89	73	60
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	39%	33%	28%	23%	19%	16%	13%	11%	9%

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°
672	666	650	625	591	550	505	456	406	356	309	264	224	188	157	130	107	88	73	60
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	39%	33%	28%	23%	19%	16%	13%	11%	9%

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°
672	666	650	625	591	550	505	456	406	356	309	264	224	188	157	130	107	88	73	60
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	39%	33%	28%	23%	19%	16%	13%	11%	9%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
37.7°	73.7°	102.4°	98.4%	92.7%