

# MOD TW100



Light Efficiency:

18 Lumen/Watt

Light Quality:

CRI: 93.0

Color Temperature:

3265 K

Output: 2010 lm

Peak: 6510 cd

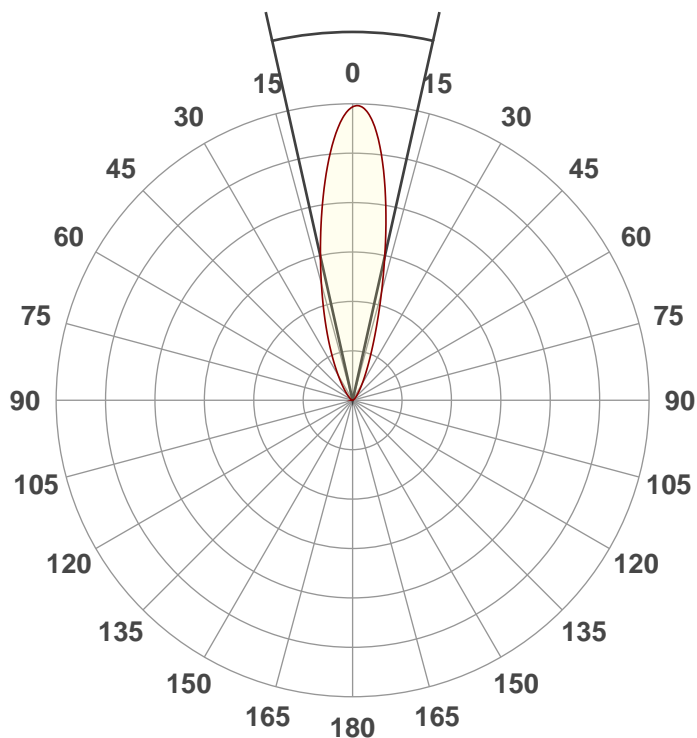
Power: 114 W

PF: 0.65



Beam Angle

25.2°



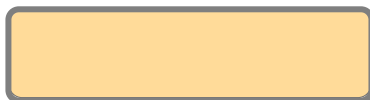
Test:

40Deg Full On

Date:

11/26/2018

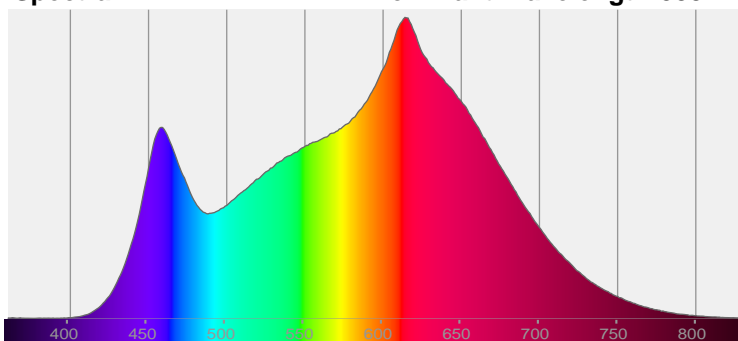
Note:



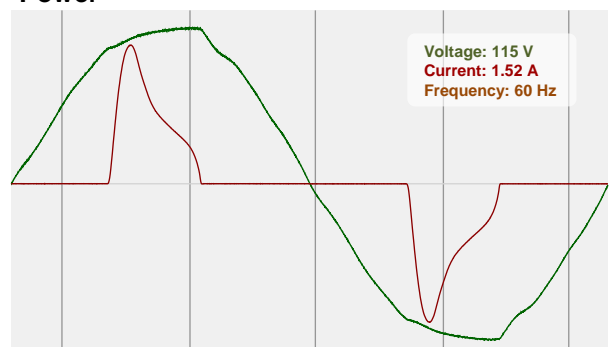
CIE 1931  
x: 0.408  
y: 0.370

Spectra

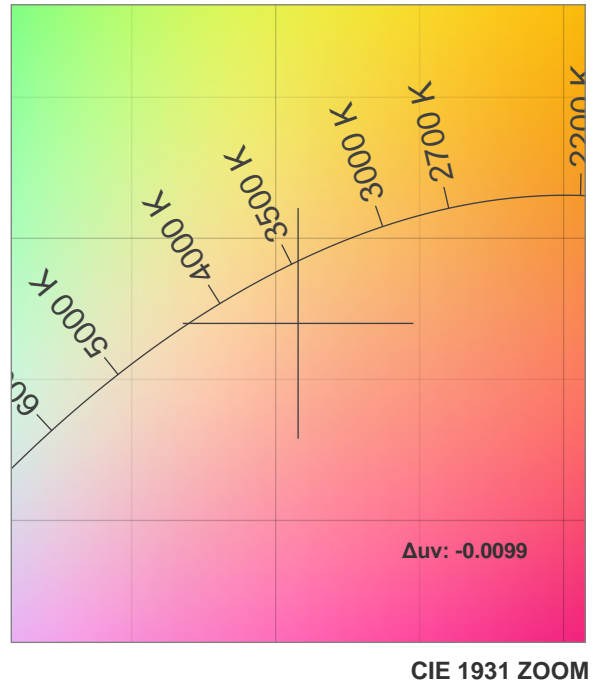
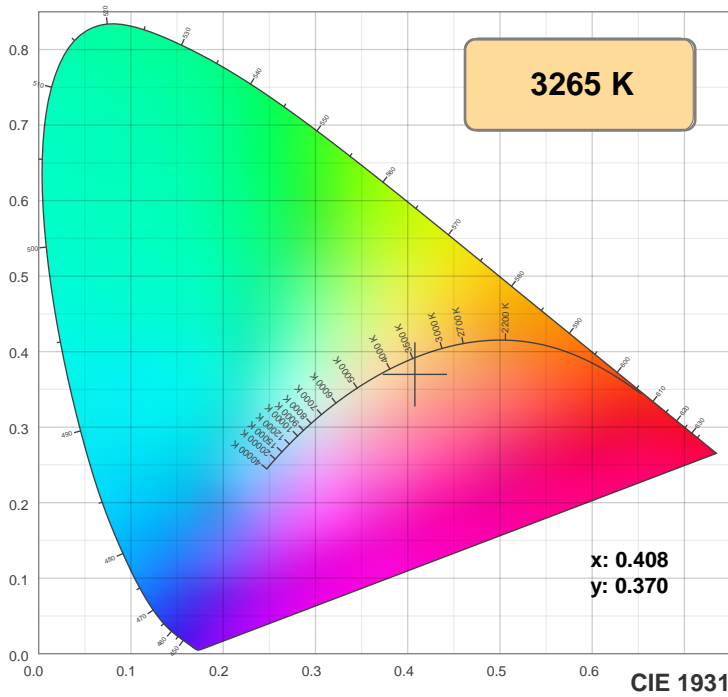
Dominant Wavelength: 588nm



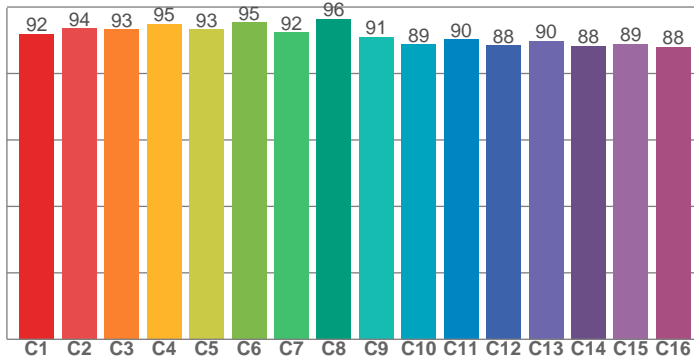
Power



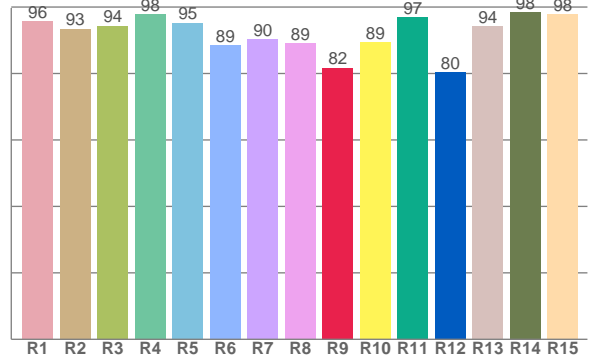
## Color Details



TM30: 91.8



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	88.6	90.2	89.1	81.7	89.3	96.8	80.5	94.1	98.4	97.8

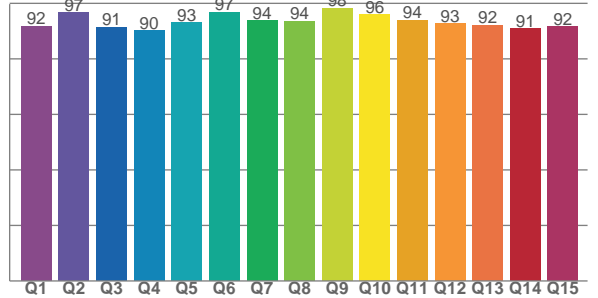
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.9	93.6	93.3	94.9	93.2	95.4	92.4	96.4	91.1	88.8	90.2	88.4	89.7	88.2	89.0	88.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.5	91.4	90.2	93.0	96.8	93.9	93.7	98.3	95.9	93.9	92.7	92.1	91.0	91.6

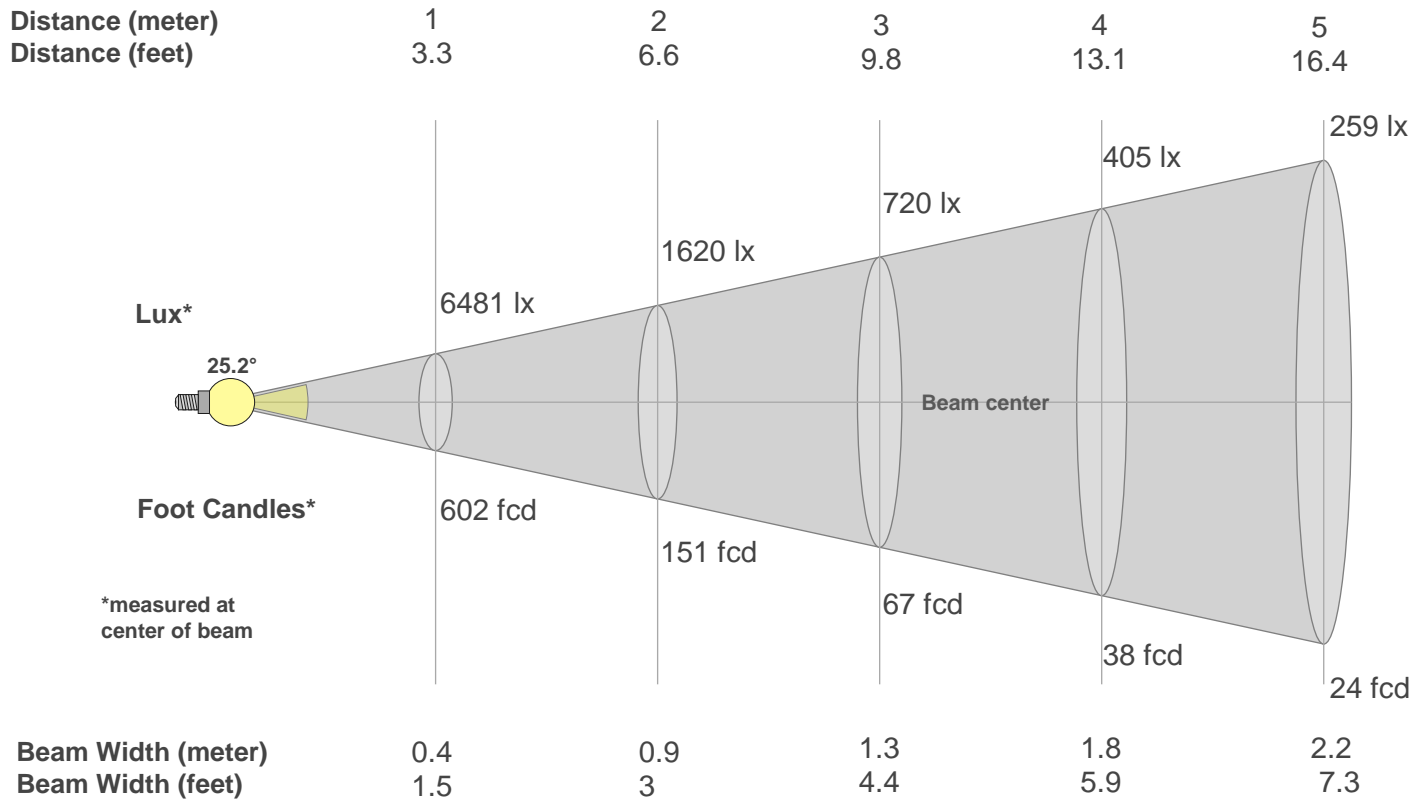
CQS: 93.0



## 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
3265 K	93.0	81.7	91.8	101.0	93.0	0.408	0.370	0.246	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	6481	1620	720	405	259	180	132	101	80	65	54	45	38	33	29	25	22	20	18	16
fcd	602.1	150.5	66.9	37.6	24.1	16.7	12.3	9.4	7.4	6	5	4.2	3.6	3.1	2.7	2.4	2.1	1.9	1.7	1.5

### 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°
6481	6243	5802	5237	4615	3998	3420	2902	2444	2048	1705	1413	1163	955	780	636	518	422	345	283
100%	96%	90%	81%	71%	62%	53%	45%	38%	32%	26%	22%	18%	15%	12%	10%	8%	7%	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°
6481	6243	5802	5237	4615	3998	3420	2902	2444	2048	1705	1413	1163	955	780	636	518	422	345	283
100%	96%	90%	81%	71%	62%	53%	45%	38%	32%	26%	22%	18%	15%	12%	10%	8%	7%	5%	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°
6481	6469	6194	5680	4999	4236	3477	2781	2189	1708	1333	1045	825	655	525	423	344	281	231	191
100%	100%	96%	88%	77%	65%	54%	43%	34%	26%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

### 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°
6481	6469	6194	5680	4999	4236	3477	2781	2189	1708	1333	1045	825	655	525	423	344	281	231	191
100%	100%	96%	88%	77%	65%	54%	43%	34%	26%	21%	16%	13%	10%	8%	7%	5%	4%	4%	3%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
25.2°	55.8°	83.5°	98.7%	94.0%