

# MOD QW100



Light Efficiency:

36 Lumen/Watt

Light Quality:

CRI: 70.4

Color Temperature:

6917 K

Output: 1093 lm

Peak: 3716 cd

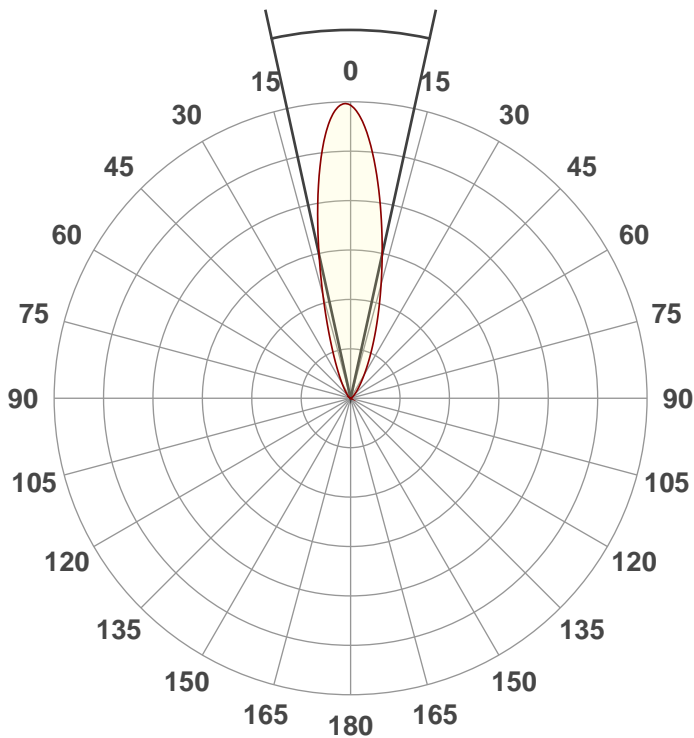
Power: 30.2 W

PF: 0.61



Beam Angle

24.8°



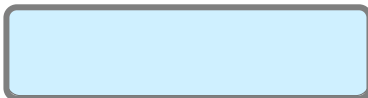
Test:

40Deg White

Date:

11/19/2018

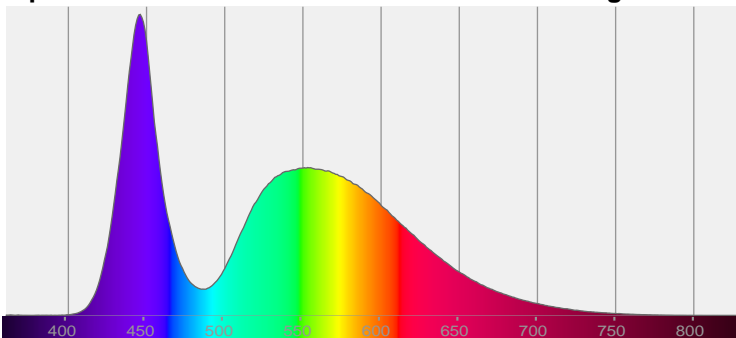
Note:



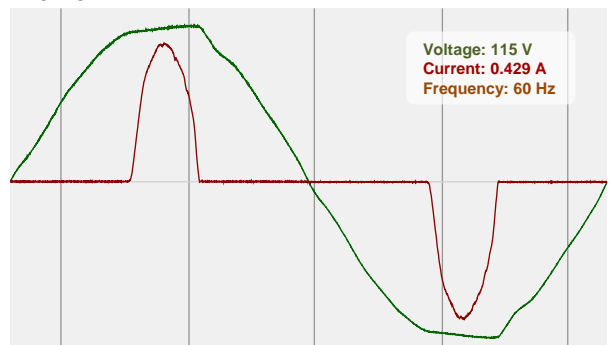
CIE 1931  
x: 0.308  
y: 0.315

Spectra

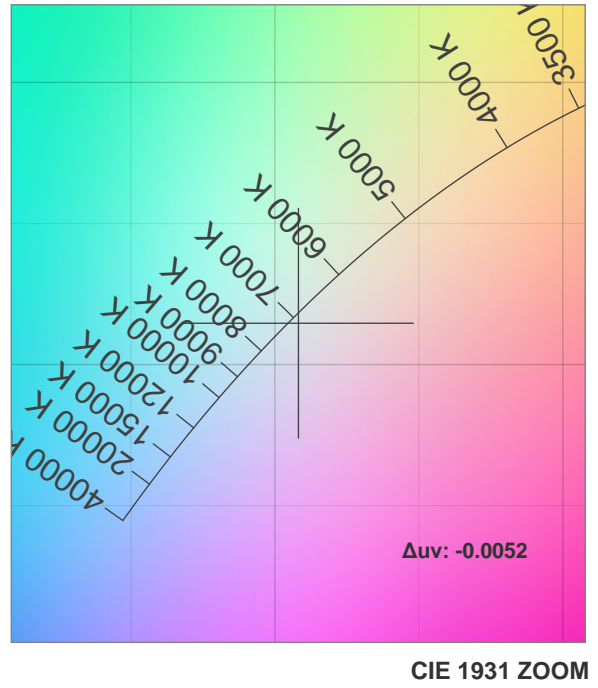
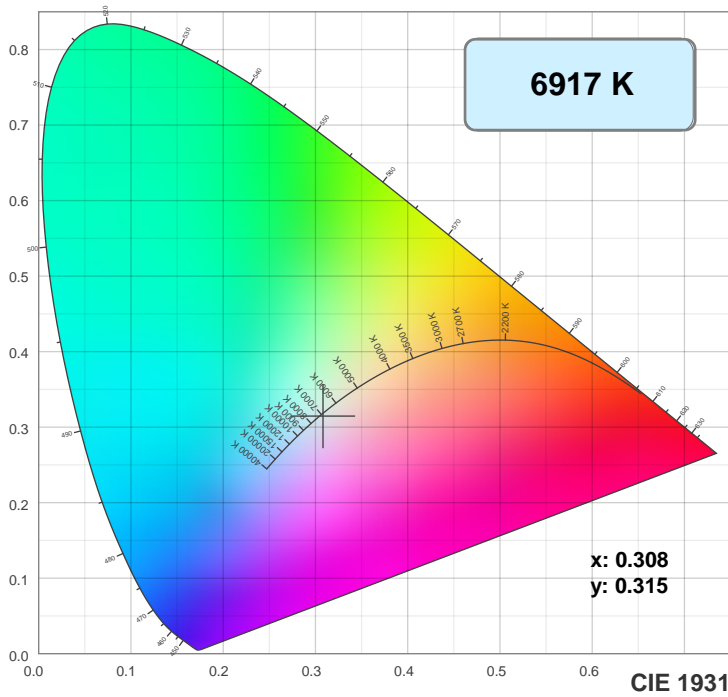
Dominant Wavelength: 360nm



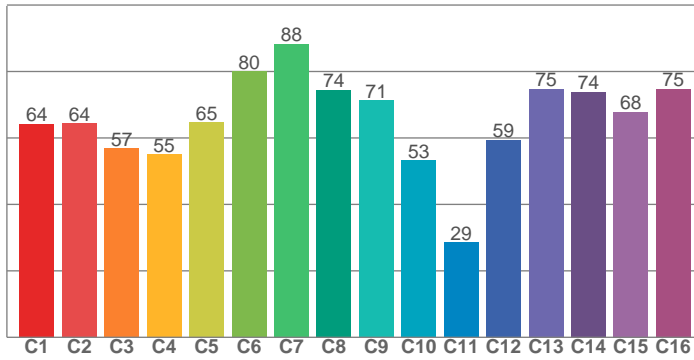
Power



## Color Details



TM30: 65.3



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
70.9	72.7	70.6	73.4	71.7	62.8	77.7	63.5	-22.1	32.1	71.8	40.9	69.9	83.1	66.7

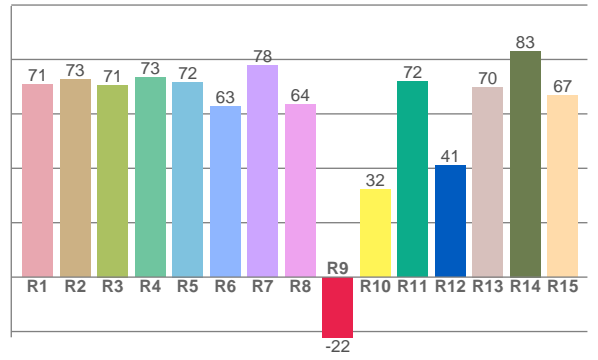
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.2	64.3	56.9	55.1	64.7	80.0	88.3	74.5	71.3	53.2	28.5	59.5	74.7	73.8	67.9	74.8

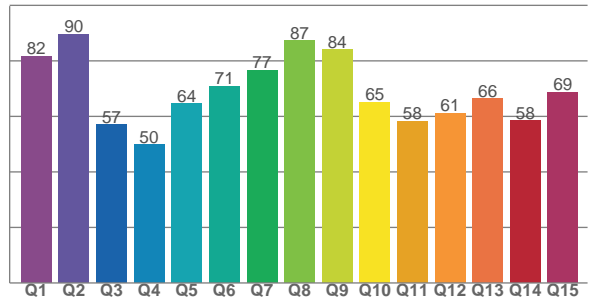
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.7	89.6	57.1	49.9	64.5	70.9	76.6	87.2	84.0	65.1	58.3	61.2	66.5	58.4	68.7

CRI: 70.4 (R1-R8)



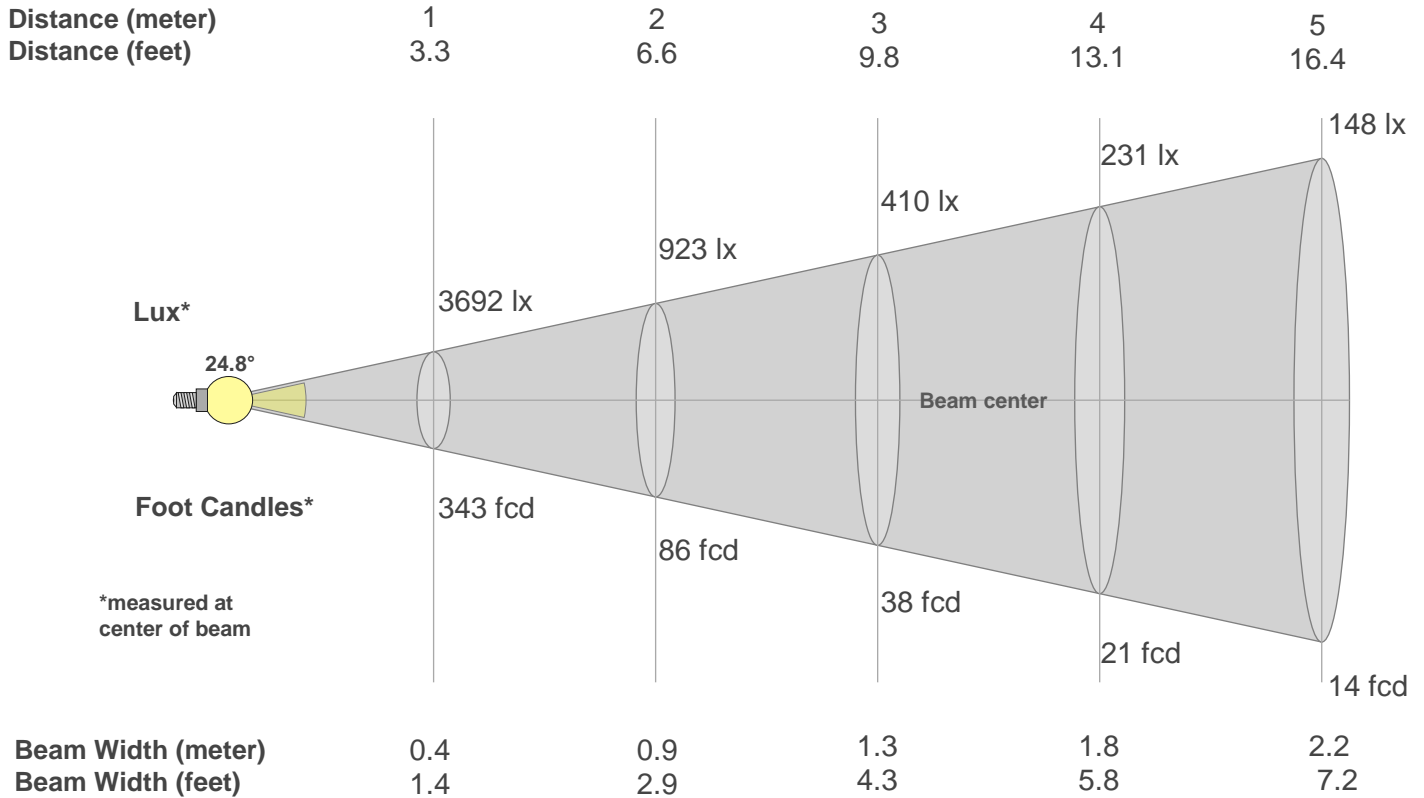
CQS: 67.2



## 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
6917 K	70.4	-22.1	65.3	95.0	67.2	0.308	0.315	0.200	0.307	-0.0052

## 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	3692	923	410	231	148	103	75	58	46	37	31	26	22	19	16	14	13	11	10	9
fcd	343	85.8	38.1	21.4	13.7	9.5	7	5.4	4.2	3.4	2.8	2.4	2	1.8	1.5	1.3	1.2	1.1	1	0.9

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°
3692	3694	3540	3242	2843	2392	1940	1530	1185	911	702	545	426	336	267	214	173	140	115	94
100%	100%	96%	88%	77%	65%	53%	41%	32%	25%	19%	15%	12%	9%	7%	6%	5%	4%	3%	3%

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°
3692	3694	3540	3242	2843	2392	1940	1530	1185	911	702	545	426	336	267	214	173	140	115	94
100%	100%	96%	88%	77%	65%	53%	41%	32%	25%	19%	15%	12%	9%	7%	6%	5%	4%	3%	3%

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°
3692	3544	3283	2952	2597	2245	1918	1622	1361	1134	939	773	634	518	421	343	279	226	185	151
100%	96%	89%	80%	70%	61%	52%	44%	37%	31%	25%	21%	17%	14%	11%	9%	8%	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°
3692	3544	3283	2952	2597	2245	1918	1622	1361	1134	939	773	634	518	421	343	279	226	185	151
100%	96%	89%	80%	70%	61%	52%	44%	37%	31%	25%	21%	17%	14%	11%	9%	8%	6%	5%	4%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.8°	54.3°	81.2°	98.9%	94.7%