

# MOD QA60



Light Efficiency:

14 Lumen/Watt

Light Quality:

CRI: -16.3

Color Temperature:

1338 K

Output: 256 lm

Peak: 1205 cd

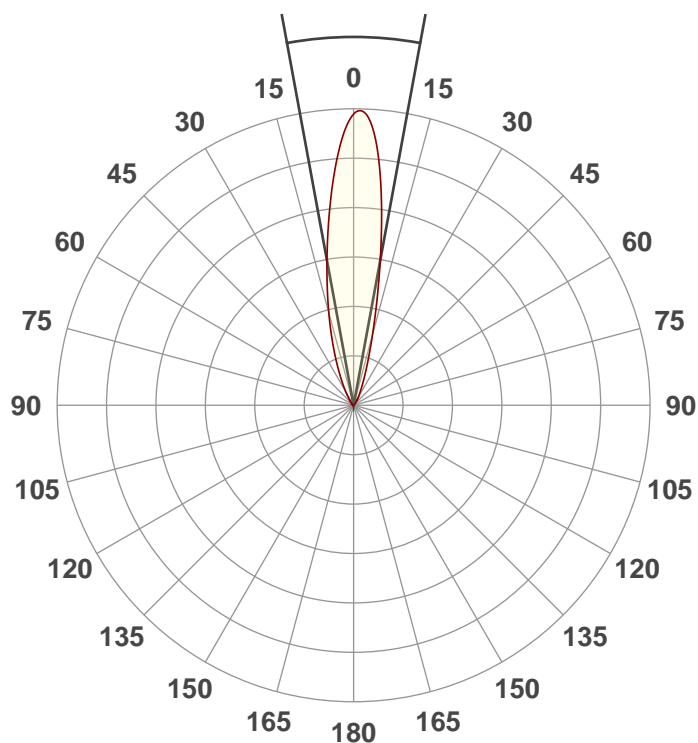
Power: 18.8 W

PF: 0.53



Beam Angle

20.8°



Test:

40Deg Amber

Date:

11/27/2018

Note:



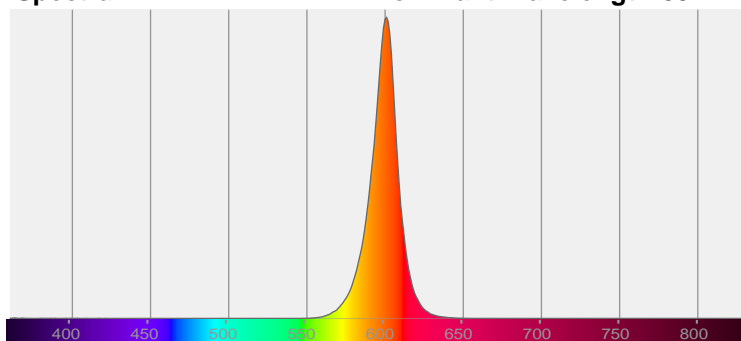
CIE 1931

x: 0.613

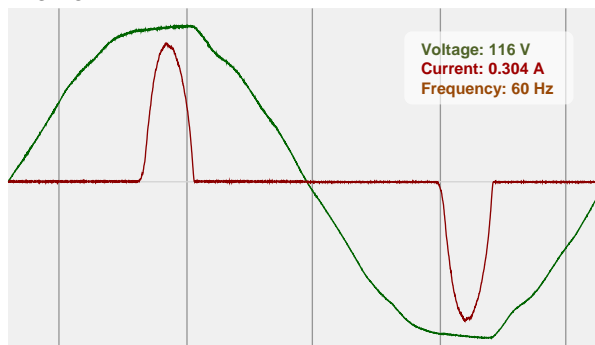
y: 0.387

Spectra

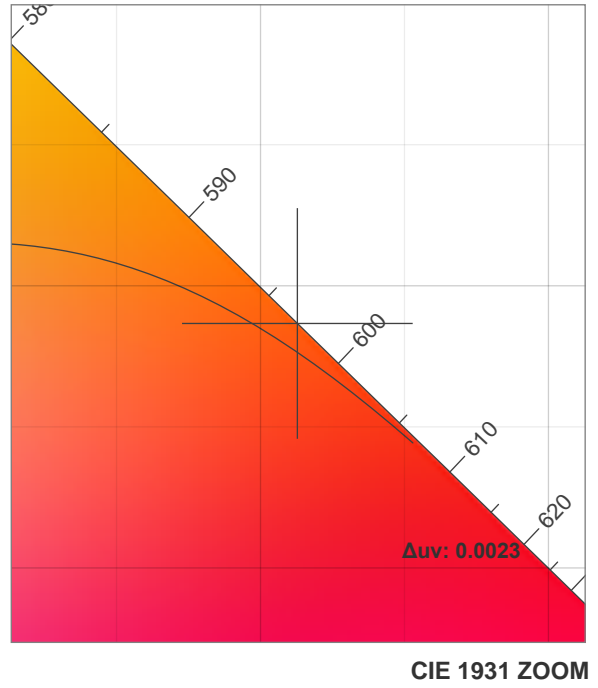
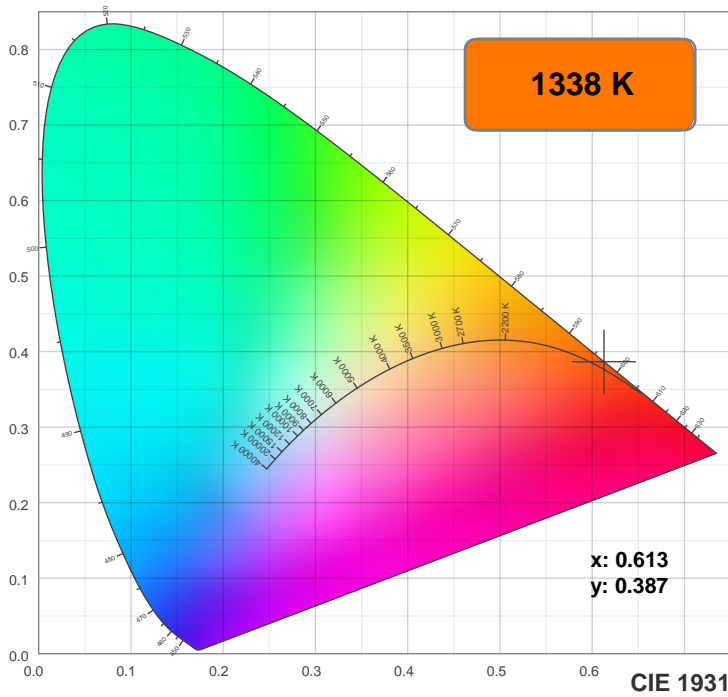
Dominant Wavelength: 597nm



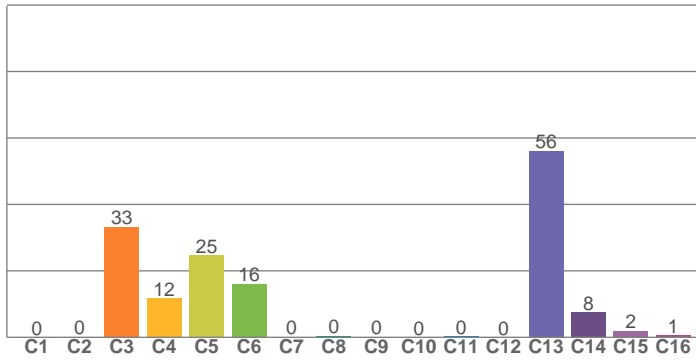
Power



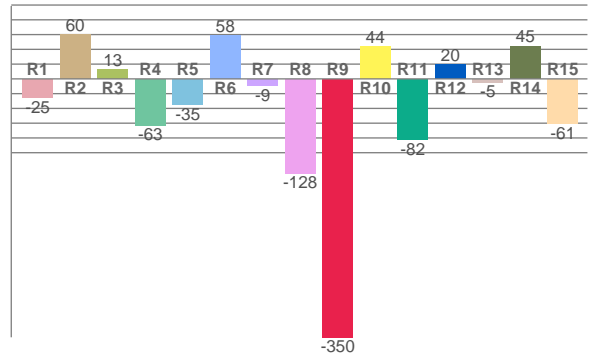
## Color Details



TM30: 0.6



CRI: -16.3 (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
-25.3	59.8	12.5	-63.1	-35.1	58.3	-9.4	-127.8	-350.0	43.6	-82.3	20.0	-4.9	44.7	-60.8

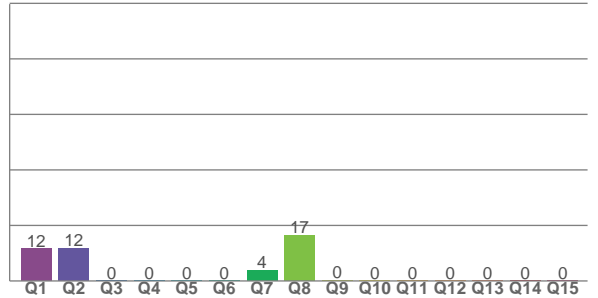
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.1	33.2	11.6	24.6	16.0	0.1	0.5	0.1	0.0	0.2	0.0	56.1	7.5	1.9	0.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.7	11.8	0.0	0.0	0.0	0.2	3.9	16.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0

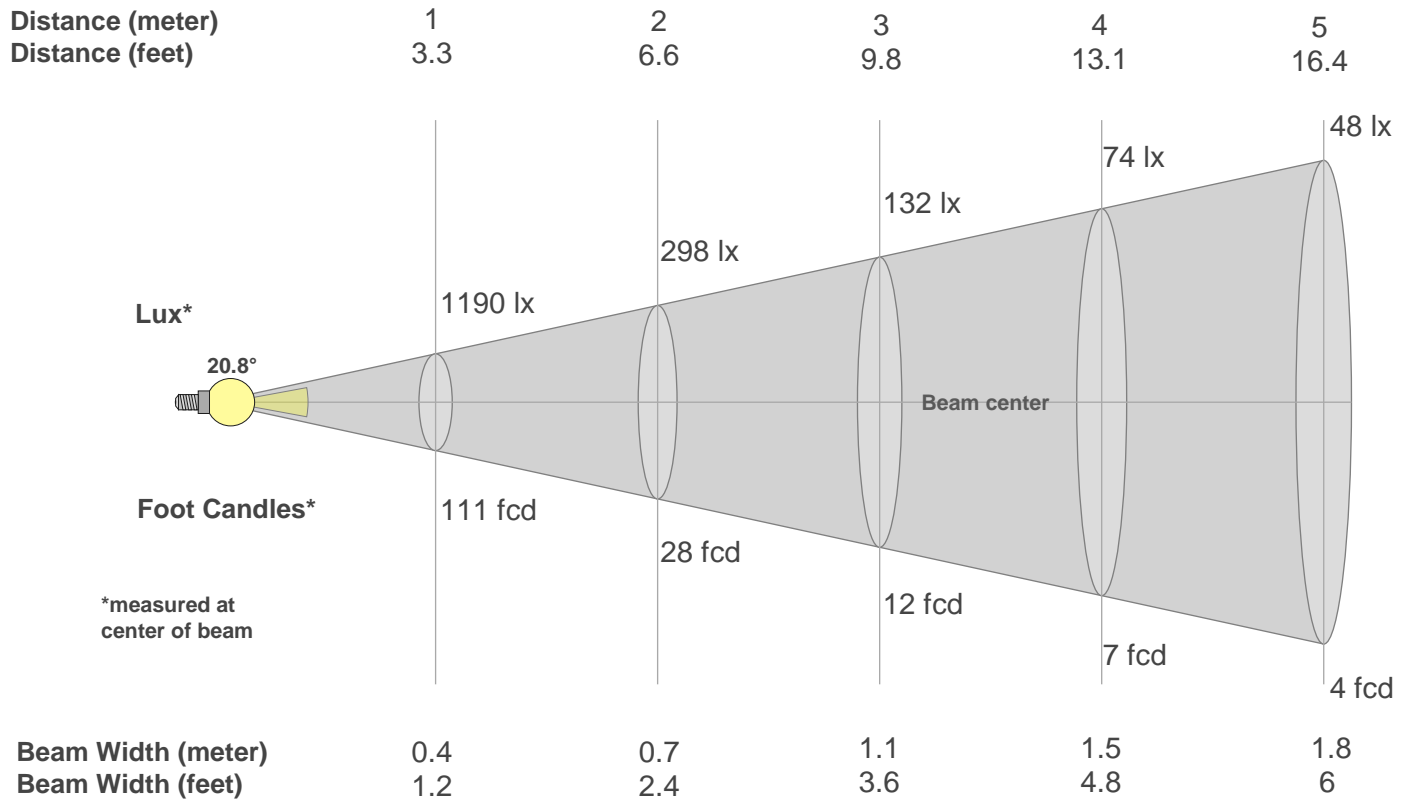
CQS: 0.0



## 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	$\Delta uv$
1338 K	-16.3	-350.0	0.6	0.6	0.0	0.613	0.387	0.382	0.362	0.0023

## 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	1190	298	132	74	48	33	24	19	15	12	10	8	7	6	5	5	4	4	3	3
fcd	110.6	27.6	12.3	6.9	4.4	3.1	2.3	1.7	1.4	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3

### 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°
1190	1116	1001	871	742	625	522	432	354	286	228	180	141	110	85	66	51	40	31	25
100%	94%	84%	73%	62%	53%	44%	36%	30%	24%	19%	15%	12%	9%	7%	6%	4%	3%	3%	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°
1190	1116	1001	871	742	625	522	432	354	286	228	180	141	110	85	66	51	40	31	25
100%	94%	84%	73%	62%	53%	44%	36%	30%	24%	19%	15%	12%	9%	7%	6%	4%	3%	3%	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°
1190	1199	1132	997	821	639	478	350	256	188	141	106	81	63	49	38	30	24	19	15
100%	101%	95%	84%	69%	54%	40%	29%	21%	16%	12%	9%	7%	5%	4%	3%	3%	2%	2%	1%

### 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°
1190	1199	1132	997	821	639	478	350	256	188	141	106	81	63	49	38	30	24	19	15
100%	101%	95%	84%	69%	54%	40%	29%	21%	16%	12%	9%	7%	5%	4%	3%	3%	2%	2%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
20.8°	46.3°	68.3°	99.7%	97.5%