

MOD QA60



Light Efficiency:

14 Lumen/Watt

Light Quality:

CRI: -17.0

Color Temperature:

1351 K

Output: 266 lm

Peak: 585 cd

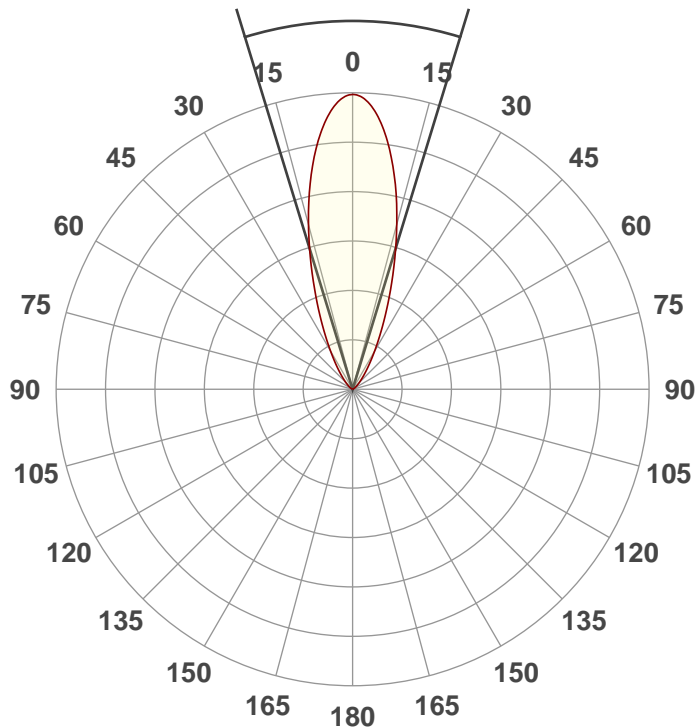
Power: 18.9 W

PF: 0.51



Beam Angle

34°



Test:

60Deg Amber

Date:

11/28/2018

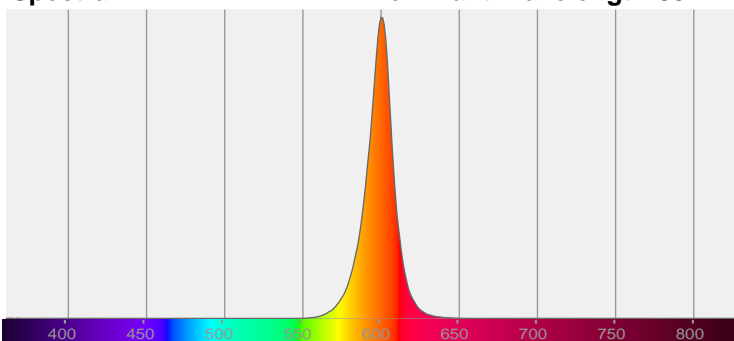
Note:



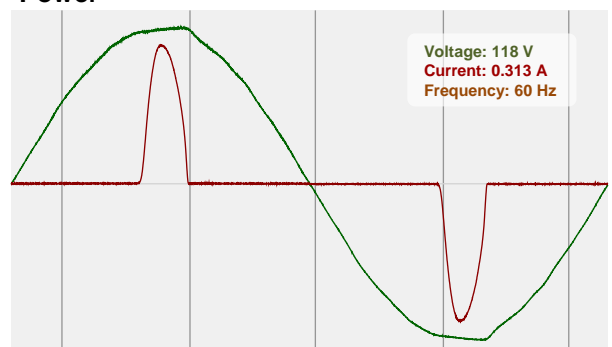
CIE 1931
x: 0.611
y: 0.388

Spectra

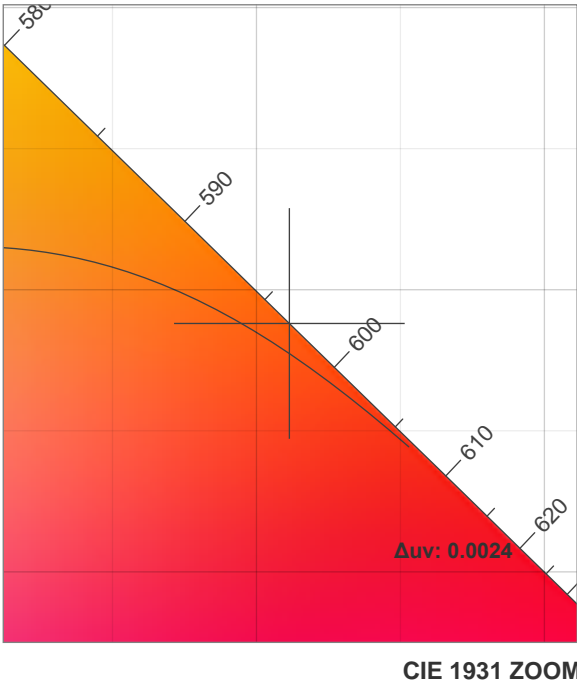
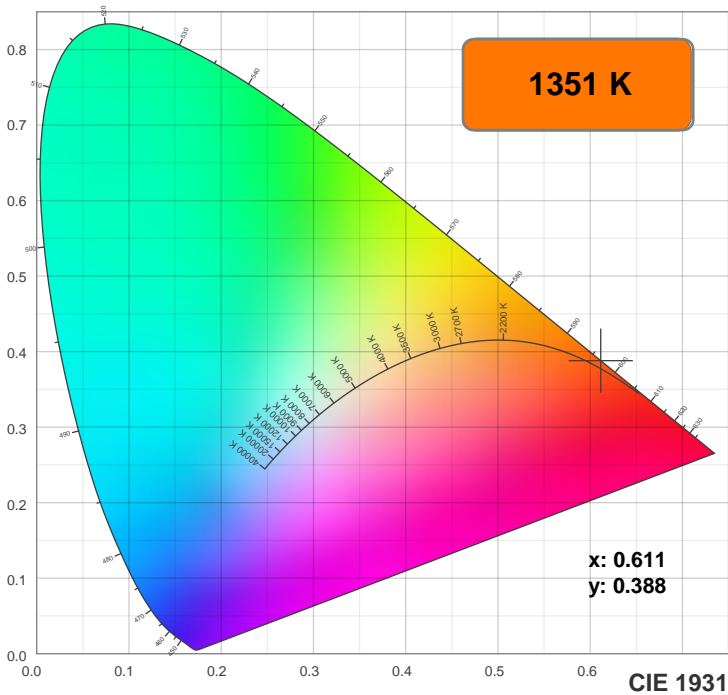
Dominant Wavelength: 597nm



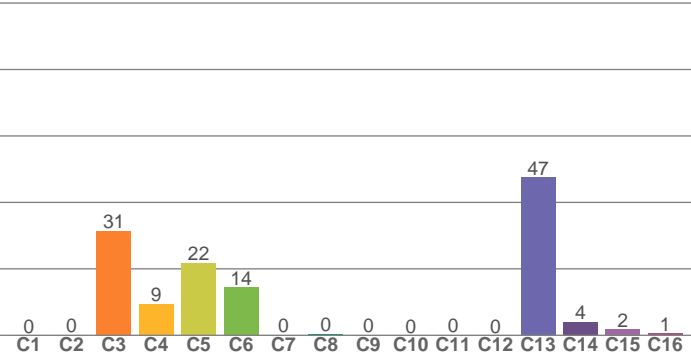
Power



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
-26.3	59.1	12.6	-63.9	-36.0	56.8	-9.4	-128.6	-353.2	42.4	-83.8	17.5	-6.0	44.5	-61.6

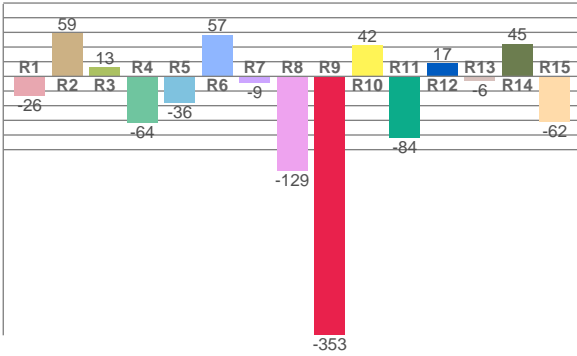
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.1	31.5	9.5	21.8	14.5	0.1	0.5	0.1	0.0	0.2	0.0	47.5	4.0	1.8	0.5

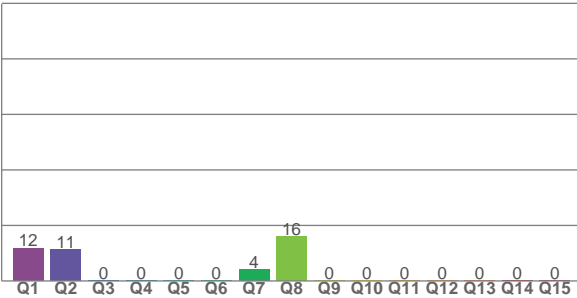
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.9	11.3	0.0	0.0	0.0	0.2	4.0	16.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0

CRI: -17.0 (R1-R8)



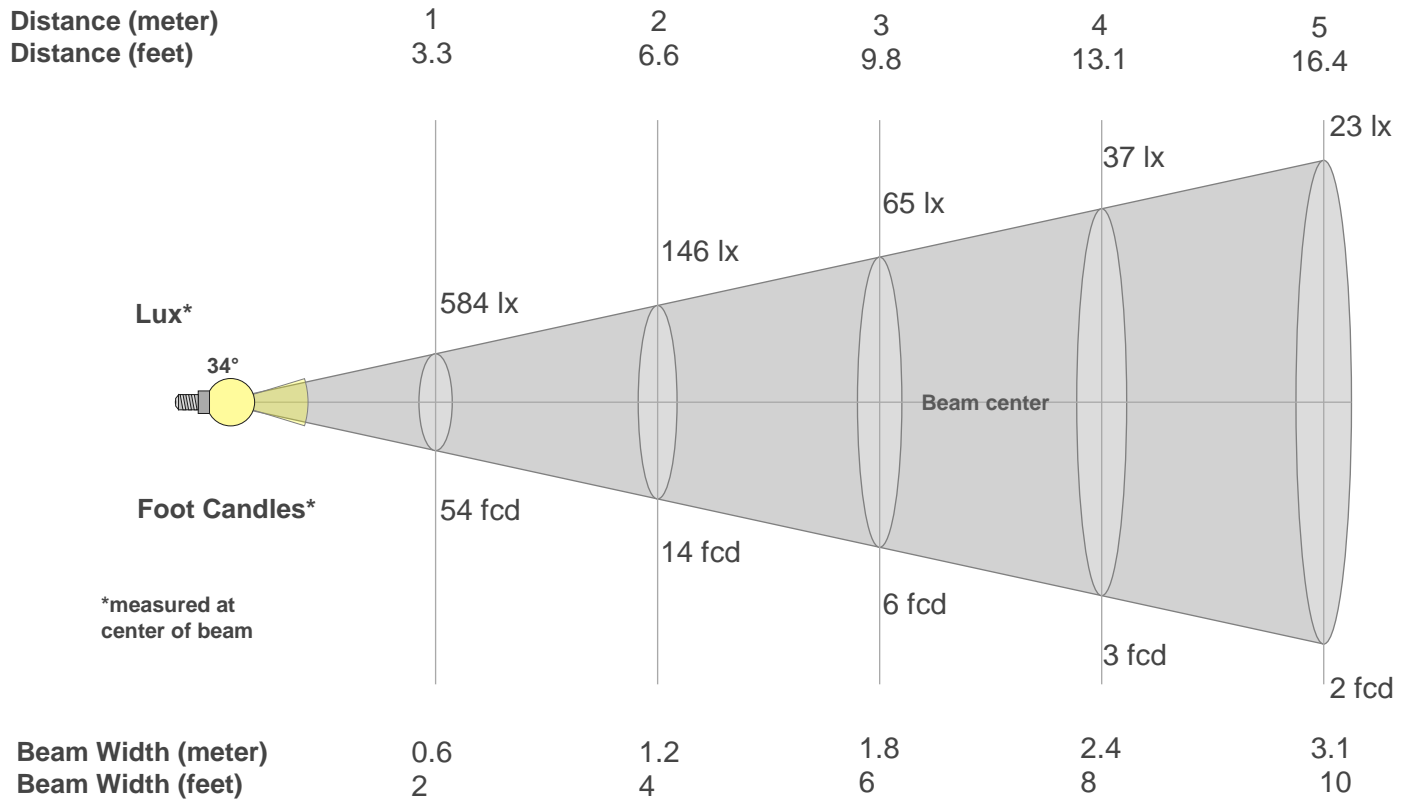
CQS: 0.0



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 Diviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
1351 K	-17.0	-353.2	0.5	0.2	0.0	0.611	0.388	0.380	0.362	0.0024

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	584	146	65	37	23	16	12	9	7	6	5	4	3	3	3	2	2	2	2	1
fcd	54.3	13.6	6	3.4	2.2	1.5	1.1	0.8	0.7	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1

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°
584	577	559	531	495	454	409	362	315	270	228	191	158	131	107	88	72	58	47	39
100%	99%	96%	91%	85%	78%	70%	62%	54%	46%	39%	33%	27%	22%	18%	15%	12%	10%	8%	7%

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°
584	577	559	531	495	454	409	362	315	270	228	191	158	131	107	88	72	58	47	39
100%	99%	96%	91%	85%	78%	70%	62%	54%	46%	39%	33%	27%	22%	18%	15%	12%	10%	8%	7%

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°
584	579	560	532	497	455	410	362	315	270	228	191	158	130	107	87	71	58	47	38
100%	99%	96%	91%	85%	78%	70%	62%	54%	46%	39%	33%	27%	22%	18%	15%	12%	10%	8%	7%

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°
584	579	560	532	497	455	410	362	315	270	228	191	158	130	107	87	71	58	47	38
100%	99%	96%	91%	85%	78%	70%	62%	54%	46%	39%	33%	27%	22%	18%	15%	12%	10%	8%	7%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
34°	67.9°	95°	99.0%	94.3%