

# MOD HEX100



Light Efficiency:

12 Lumen/Watt

Light Quality:

CRI: -19.5

Color Temperature:

1396 K

Output: 211 lm

Peak: 691 cd

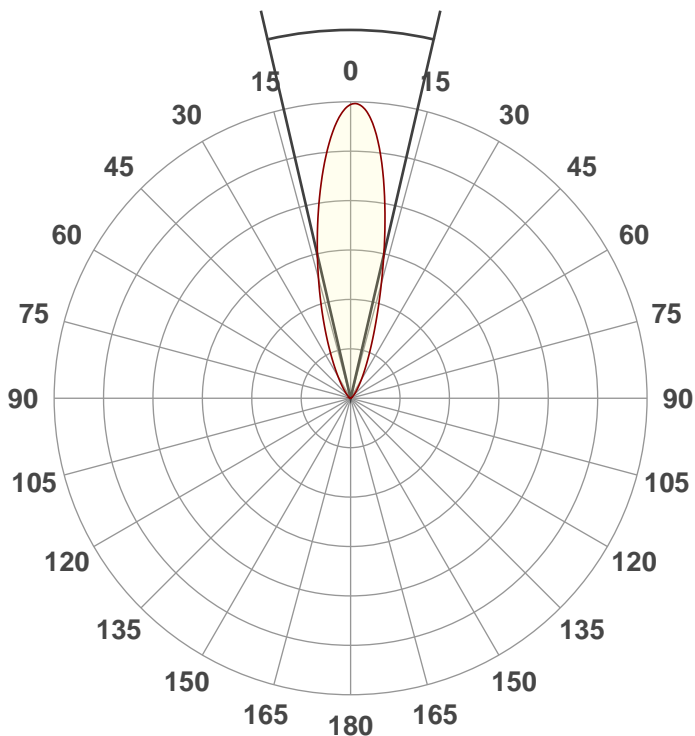
Power: 17.4 W

PF: 0.5



Beam Angle

26.1°



Test:

40Deg Amber

Date:

11/21/2018

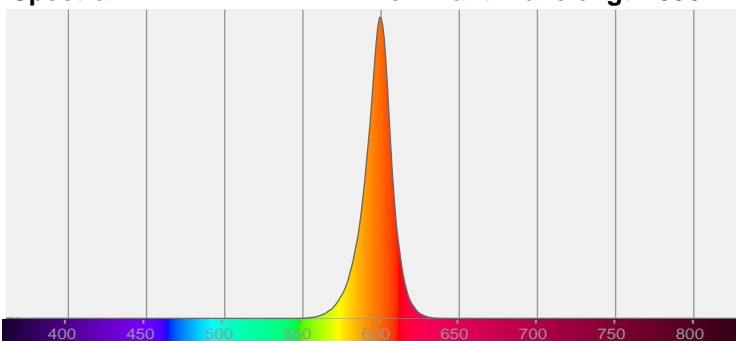
Note:



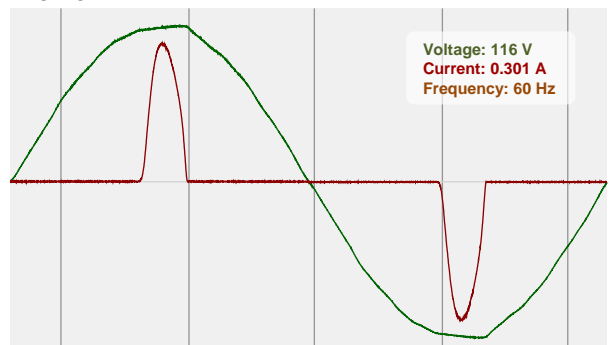
CIE 1931  
x: 0.607  
y: 0.393

Spectra

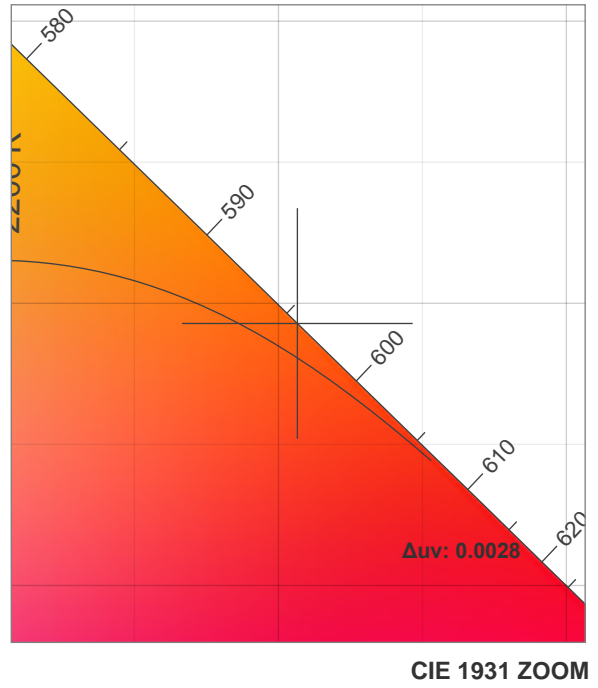
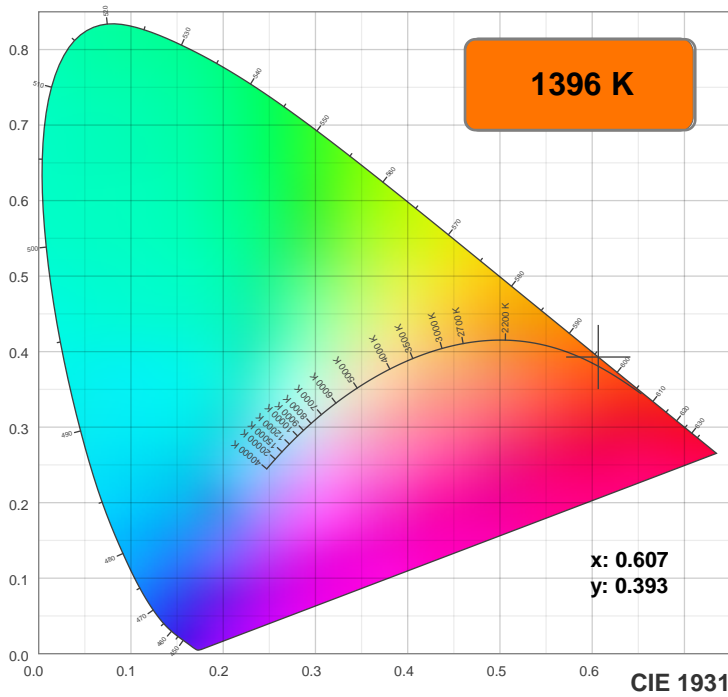
Dominant Wavelength: 596nm



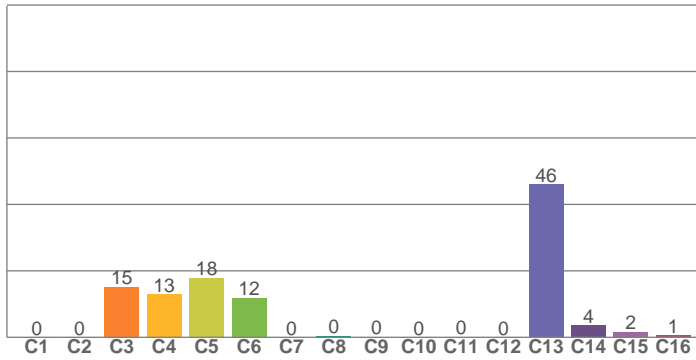
Power



## Color Details



TM30: 0.4



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
-29.6	57.1	12.4	-66.8	-39.0	52.8	-10.2	-132.7	-367.4	39.1	-88.9	9.9	-9.3	44.0	-64.5

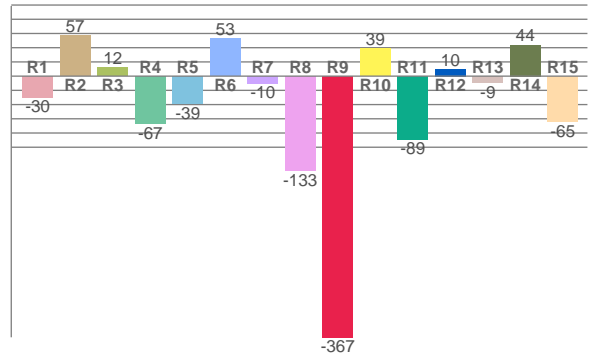
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	15.2	12.9	17.9	11.9	0.0	0.4	0.1	0.0	0.1	0.0	46.0	3.5	1.6	0.5

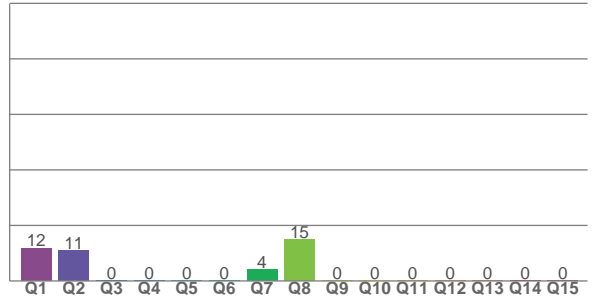
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.8	11.0	0.0	0.0	0.0	0.2	4.1	14.8	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -19.5 (R1-R8)



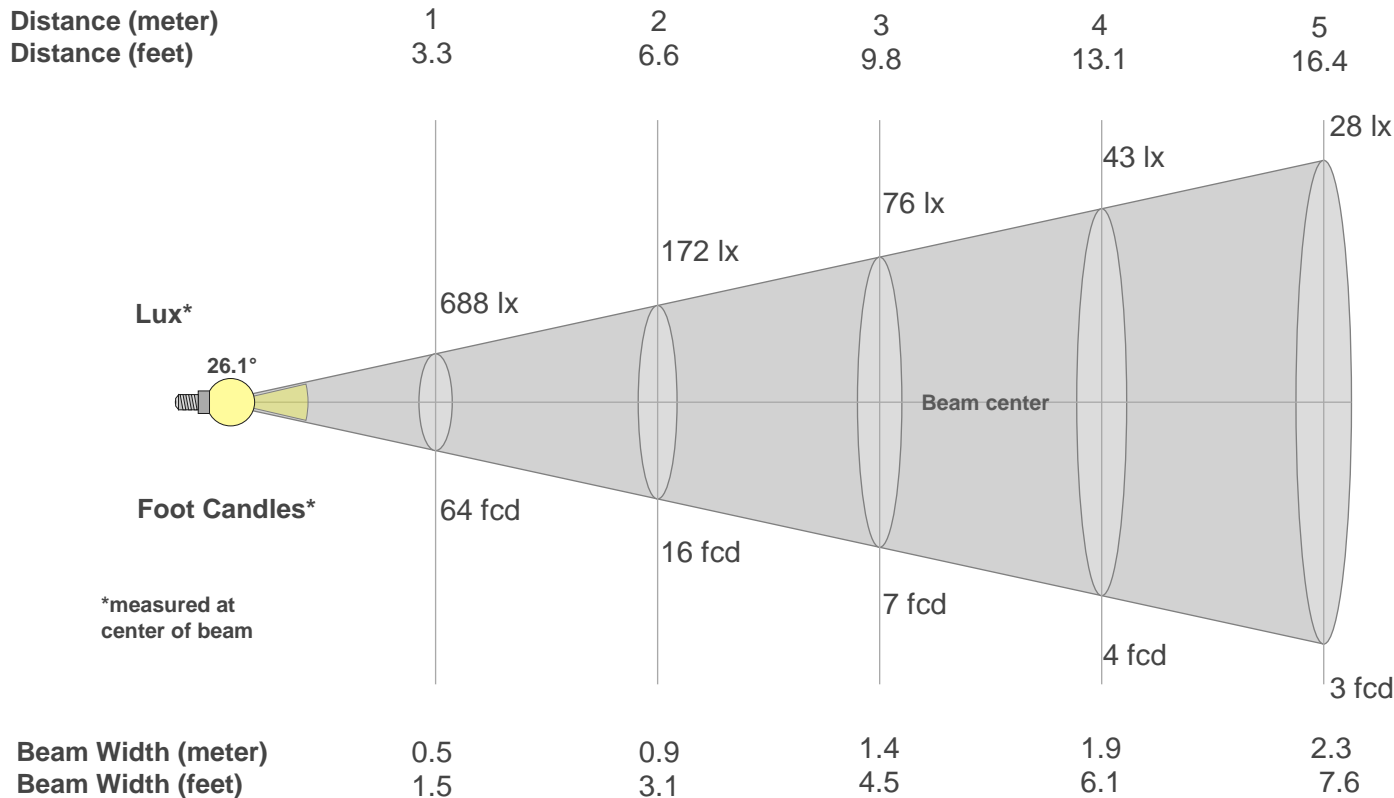
CQS: 0.0



## 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	$\Delta uv$
1396 K	-19.5	-367.4	0.4	0.4	0.0	0.607	0.393	0.373	0.363	0.0028

## 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	688	172	76	43	28	19	14	11	8	7	6	5	4	4	3	3	2	2	2	2
fcd	63.9	16	7.1	4	2.6	1.8	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°
688	665	621	565	502	438	376	318	265	219	178	144	116	93	74	59	47	38	31	25
100%	97%	90%	82%	73%	64%	55%	46%	39%	32%	26%	21%	17%	13%	11%	9%	7%	6%	4%	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°
688	665	621	565	502	438	376	318	265	219	178	144	116	93	74	59	47	38	31	25
100%	97%	90%	82%	73%	64%	55%	46%	39%	32%	26%	21%	17%	13%	11%	9%	7%	6%	4%	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°
688	686	659	608	540	462	384	311	249	197	156	123	98	78	63	50	41	33	27	22
100%	100%	96%	88%	78%	67%	56%	45%	36%	29%	23%	18%	14%	11%	9%	7%	6%	5%	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°
688	686	659	608	540	462	384	311	249	197	156	123	98	78	63	50	41	33	27	22
100%	100%	96%	88%	78%	67%	56%	45%	36%	29%	23%	18%	14%	11%	9%	7%	6%	5%	4%	3%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.1°	55.7°	81.7°	99.5%	96.0%