

# MOD HEX100



Light Efficiency:

11 Lumen/Watt

Light Quality:

CRI: -19.7

Color Temperature:

1395 K

Output: 192 lm

Peak: 899 cd

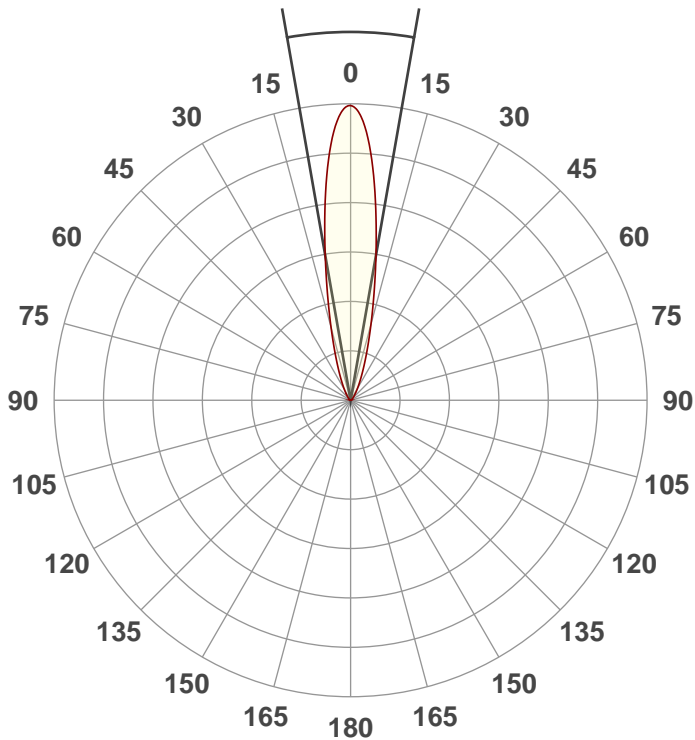
Power: 17.4 W

PF: 0.53



Beam Angle

19.9°



Test:

20Deg Amber

Date:

11/20/2018

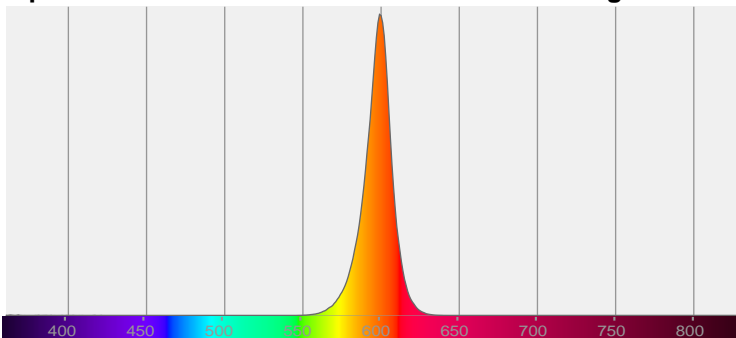
Note:



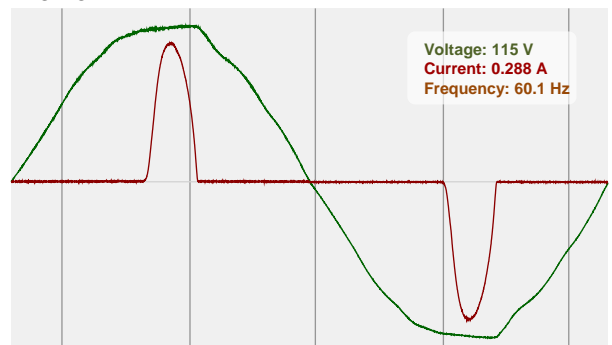
CIE 1931  
x: 0.607  
y: 0.393

Spectra

Dominant Wavelength: 596nm

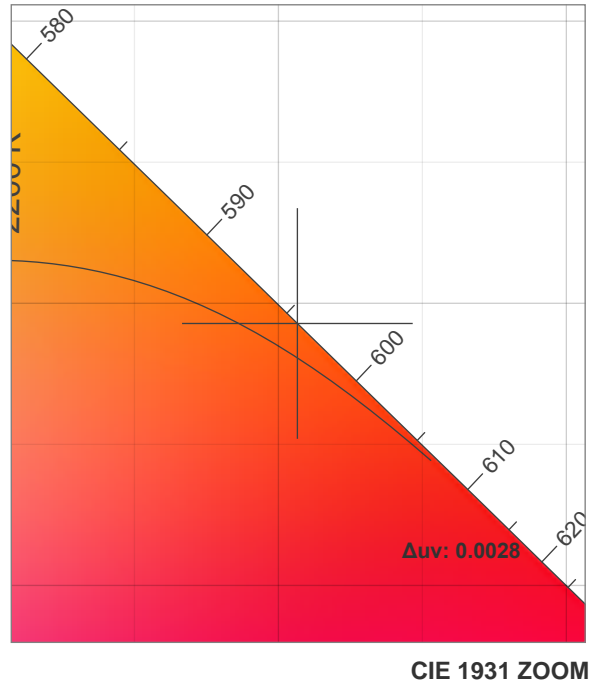
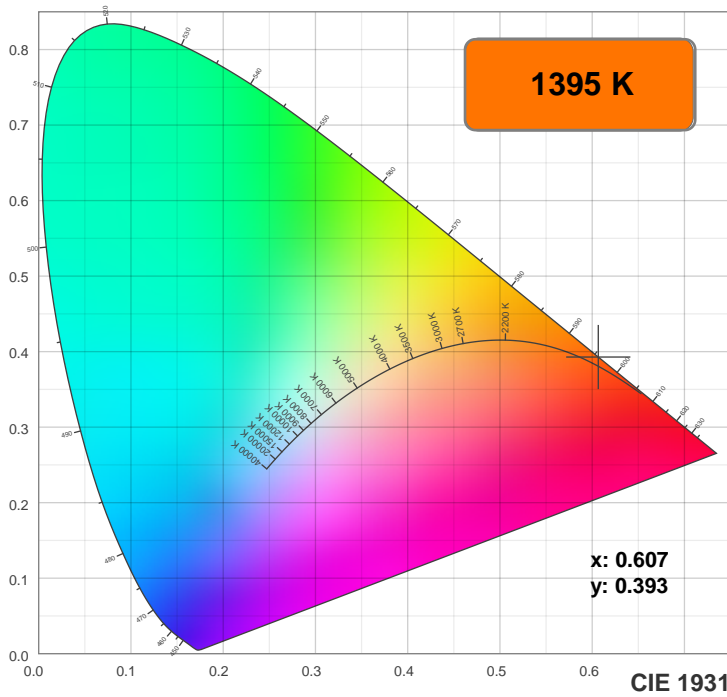


Power

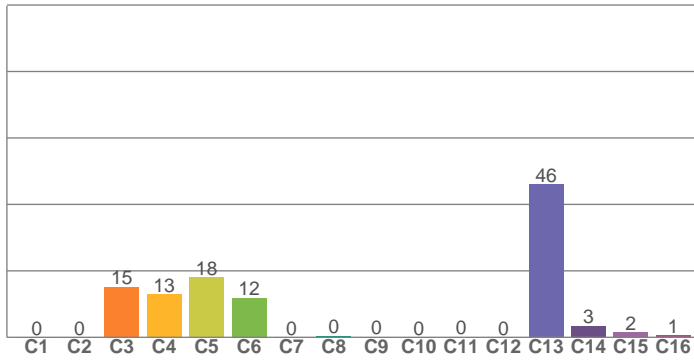


Voltage: 115 V  
Current: 0.288 A  
Frequency: 60.1 Hz

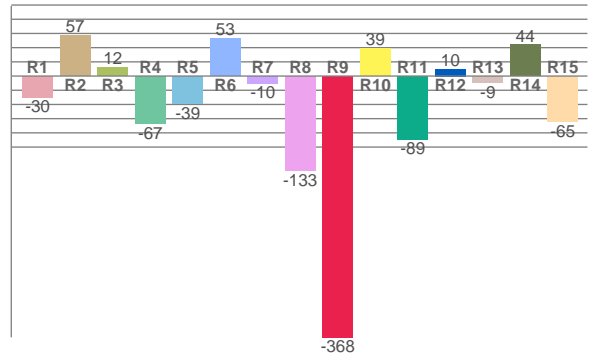
## Color Details



TM30: 0.4



CRI: -19.7 (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
-29.8	57.1	12.2	-67.0	-39.2	52.8	-10.3	-133.0	-367.9	39.1	-89.1	9.9	-9.4	43.8	-64.8

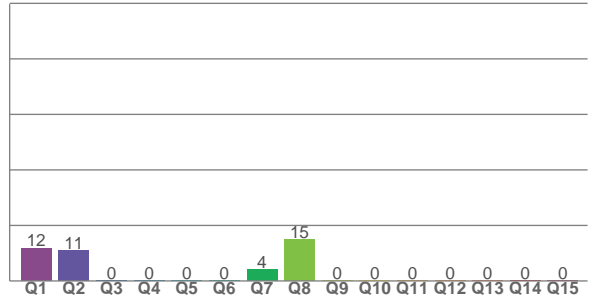
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	15.2	12.9	18.0	11.8	0.0	0.4	0.1	0.0	0.1	0.0	46.0	3.5	1.5	0.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.7	10.9	0.0	0.0	0.0	0.2	4.0	14.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0

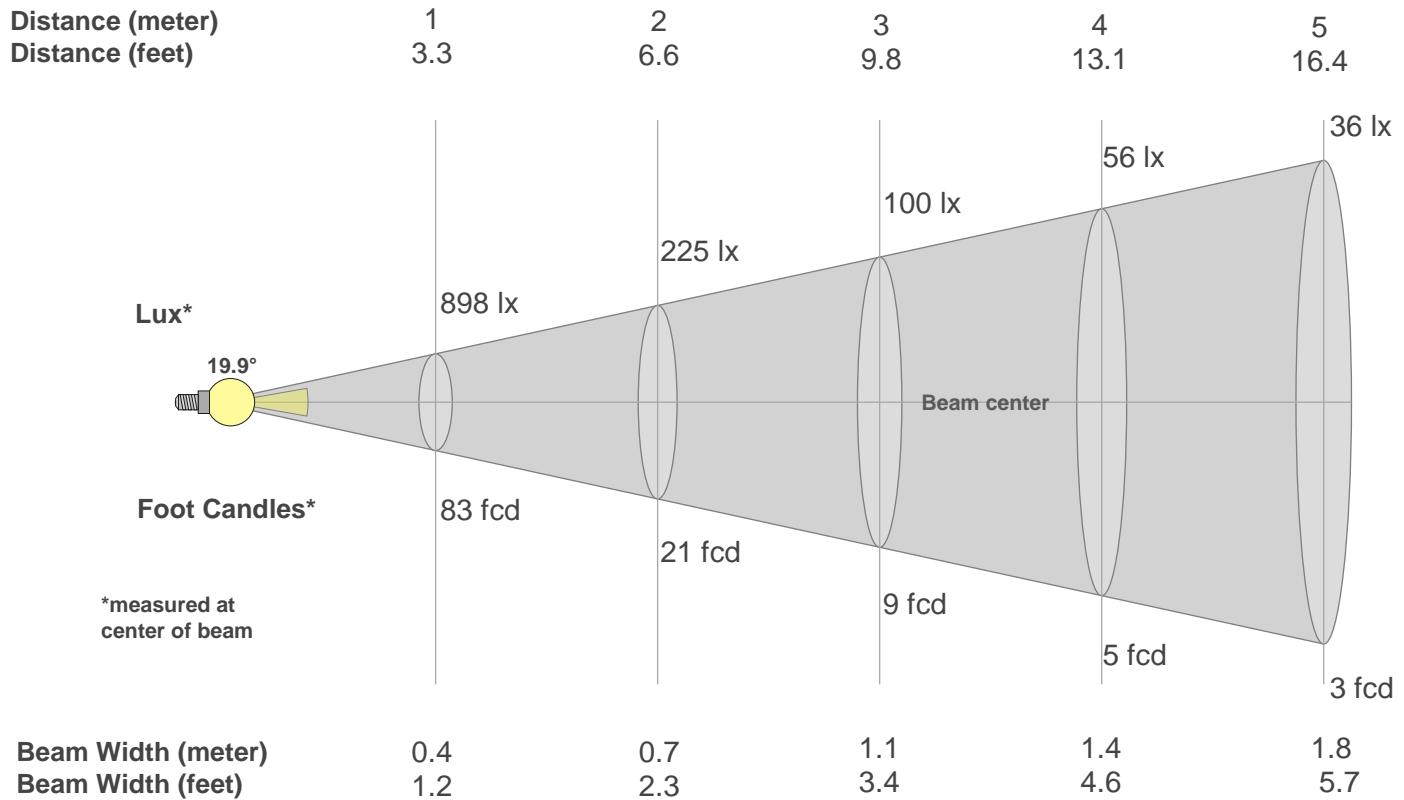
CQS: 0.0



## 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	$\Delta uv$
1395 K	-19.7	-367.9	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	898	225	100	56	36	25	18	14	11	9	7	6	5	5	4	4	3	3	2	2
fcd	83.4	20.9	9.3	5.2	3.3	2.3	1.7	1.3	1	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	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°
898	876	802	693	566	445	344	264	202	156	121	95	75	59	47	38	31	25	21	17
100%	97%	89%	77%	63%	50%	38%	29%	23%	17%	13%	11%	8%	7%	5%	4%	3%	3%	2%	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°
898	876	802	693	566	445	344	264	202	156	121	95	75	59	47	38	31	25	21	17
100%	97%	89%	77%	63%	50%	38%	29%	23%	17%	13%	11%	8%	7%	5%	4%	3%	3%	2%	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°
898	869	790	680	558	446	349	273	212	166	131	103	82	66	53	42	34	28	23	19
100%	97%	88%	76%	62%	50%	39%	30%	24%	19%	15%	11%	9%	7%	6%	5%	4%	3%	3%	2%

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°
898	869	790	680	558	446	349	273	212	166	131	103	82	66	53	42	34	28	23	19
100%	97%	88%	76%	62%	50%	39%	30%	24%	19%	15%	11%	9%	7%	6%	5%	4%	3%	3%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.9°	45.6°	71.5°	98.6%	94.4%