

MOD HEX100



Light Efficiency:

12 Lumen/Watt

Light Quality:

CRI: -19.4

Color Temperature:

1397 K

Output: 206 lm

Peak: 343 cd

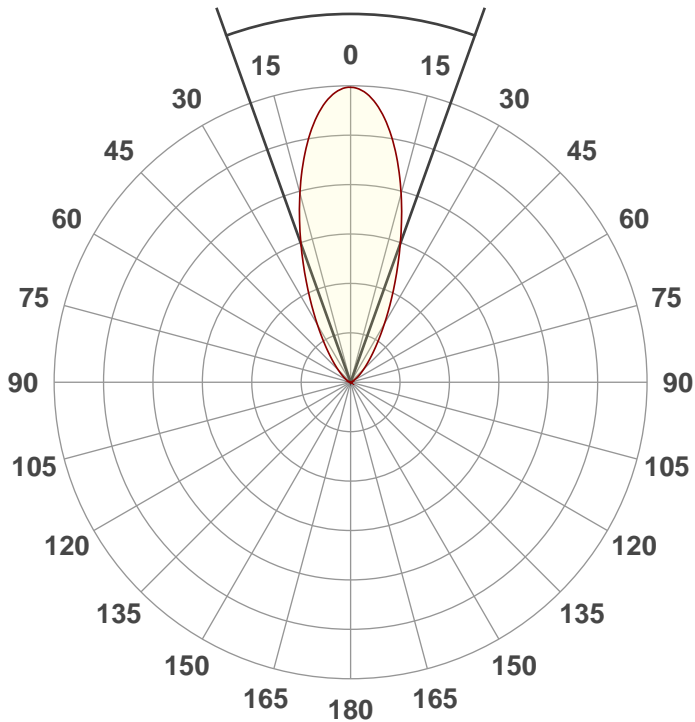
Power: 17.4 W

PF: 0.53



Beam Angle

39.4°



Test:

60Deg Amber

Date:

11/21/2018

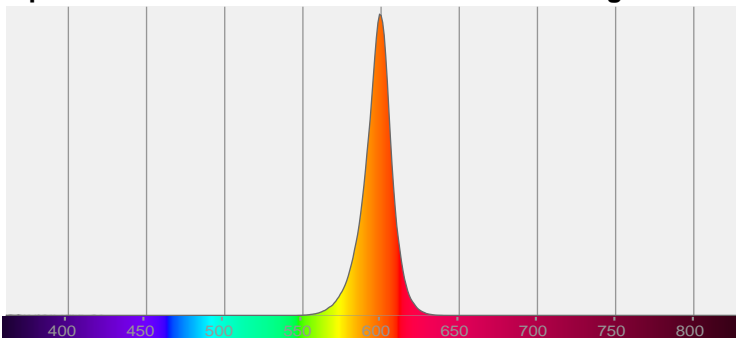
Note:



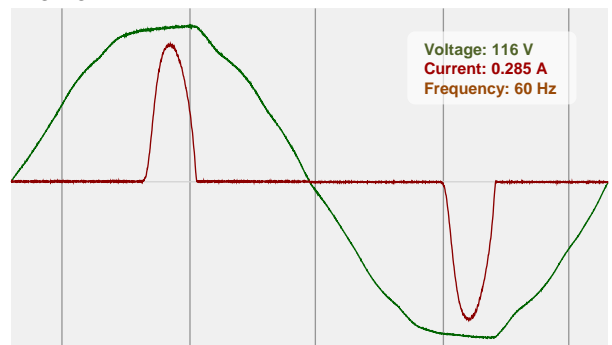
CIE 1931
x: 0.606
y: 0.393

Spectra

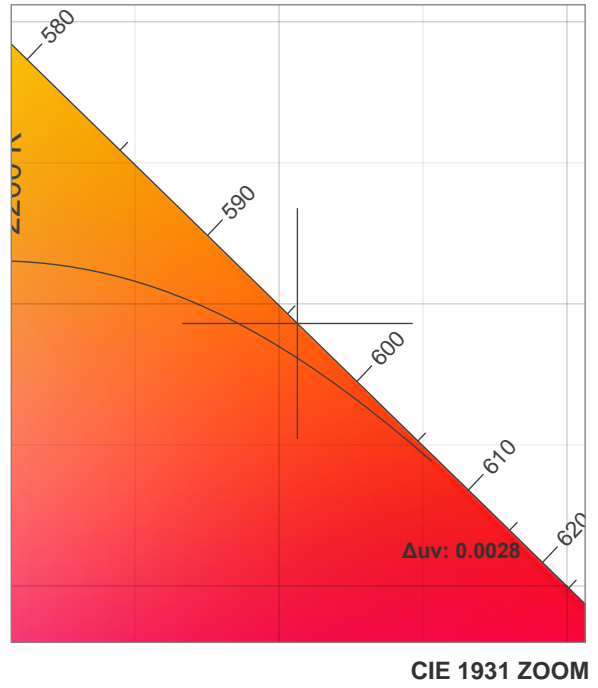
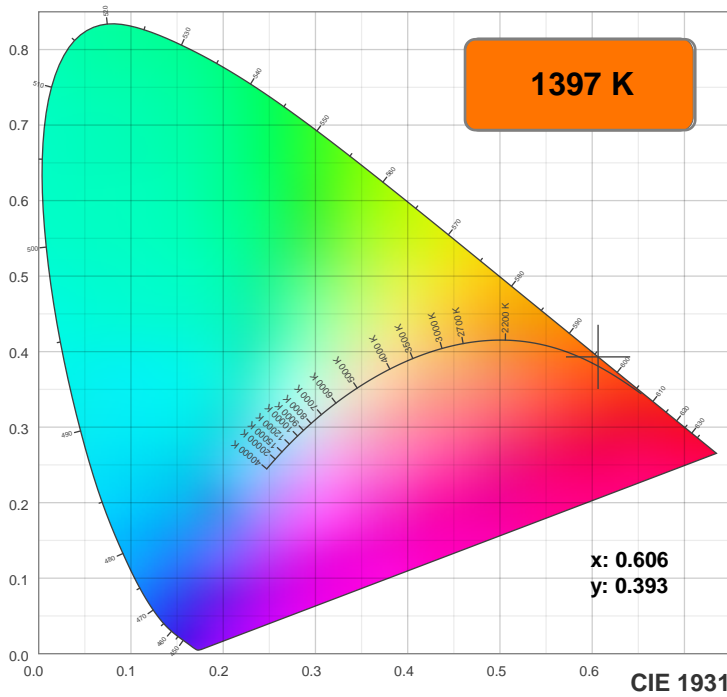
Dominant Wavelength: 596nm



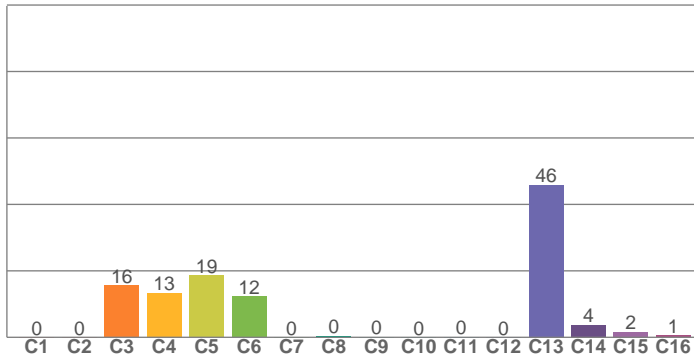
Power



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
-29.4	57.2	12.6	-66.6	-38.9	52.8	-10.1	-132.6	-367.0	39.1	-88.8	9.8	-9.2	44.1	-64.3

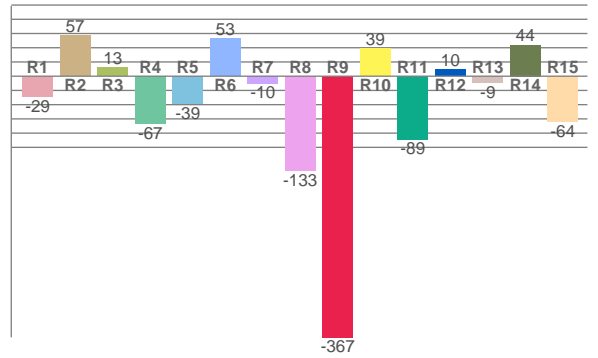
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	15.6	13.4	18.6	12.2	0.0	0.4	0.1	0.0	0.1	0.0	45.8	3.8	1.7	0.5

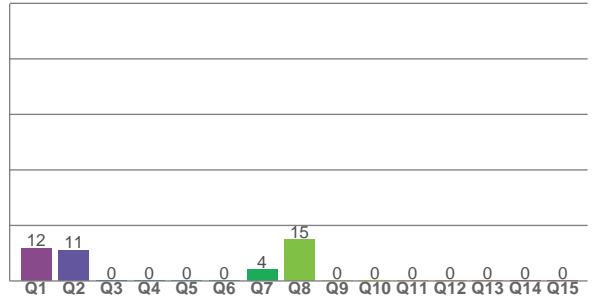
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.8	11.1	0.0	0.0	0.0	0.2	4.1	14.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -19.4 (R1-R8)



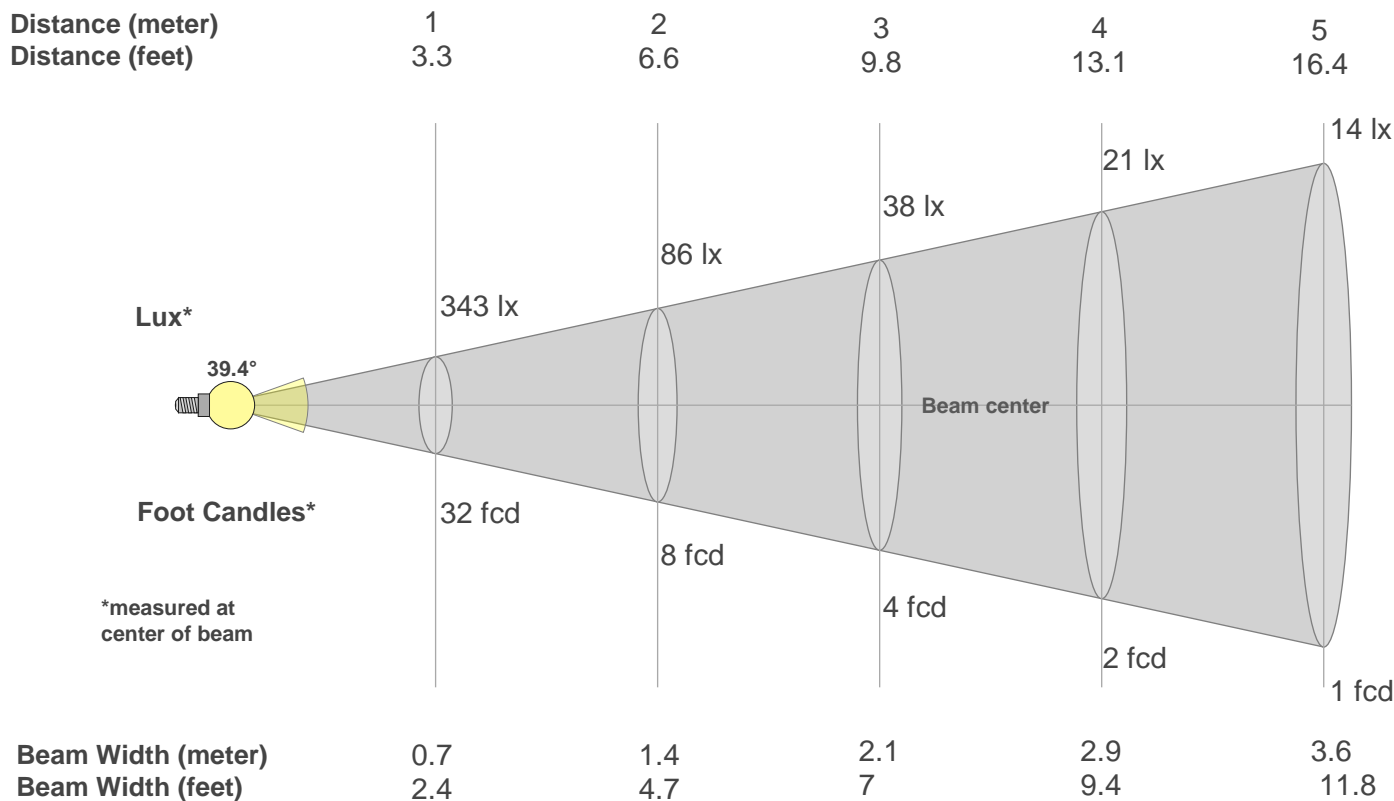
CQS: 0.0



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	Δuv
1397 K	-19.4	-367.0	0.4	0.6	0.0	0.606	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	343	86	38	21	14	10	7	5	4	3	3	2	2	2	2	1	1	1	1	1
fcd	31.9	8	3.5	2	1.3	0.9	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	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°
343	341	333	321	305	286	264	240	216	192	169	146	126	108	91	77	65	55	46	38
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	31%	27%	22%	19%	16%	13%	11%

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°
343	341	333	321	305	286	264	240	216	192	169	146	126	108	91	77	65	55	46	38
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	49%	43%	37%	31%	27%	22%	19%	16%	13%	11%

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°
343	340	333	320	304	284	263	239	215	191	169	147	127	109	93	79	67	57	48	40
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	20%	16%	14%	12%

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°
343	340	333	320	304	284	263	239	215	191	169	147	127	109	93	79	67	57	48	40
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	49%	43%	37%	32%	27%	23%	20%	16%	14%	12%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
39.4°	79.1°	109.5°	98.7%	91.6%