

MOD TW100



Light Efficiency:

12 Lumen/Watt

Light Quality:

CRI: -17.4

Color Temperature:

1368 K

Output: 374 lm

Peak: 1301 cd

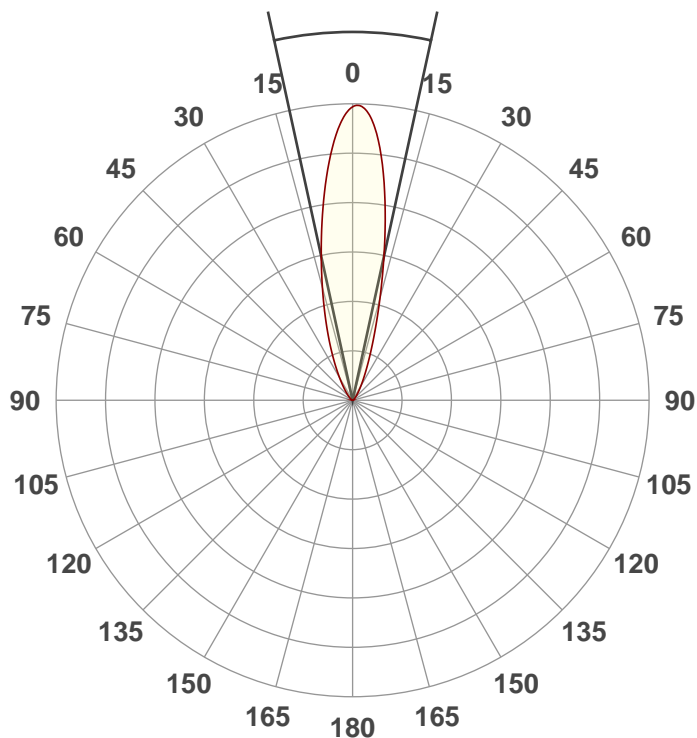
Power: 30.7 W

PF: 0.56



Beam Angle

24.6°



Test:

40Deg Amber

Date:

11/27/2018

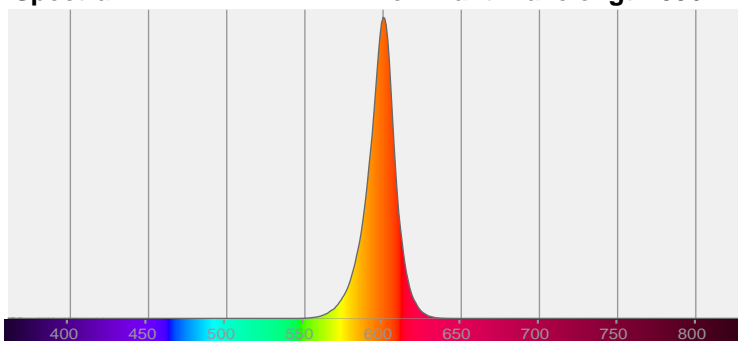
Note:



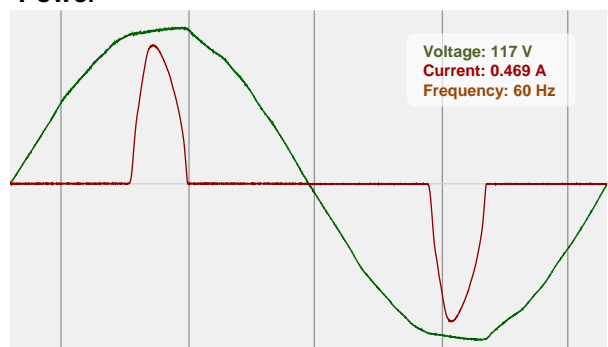
CIE 1931
x: 0.610
y: 0.390

Spectra

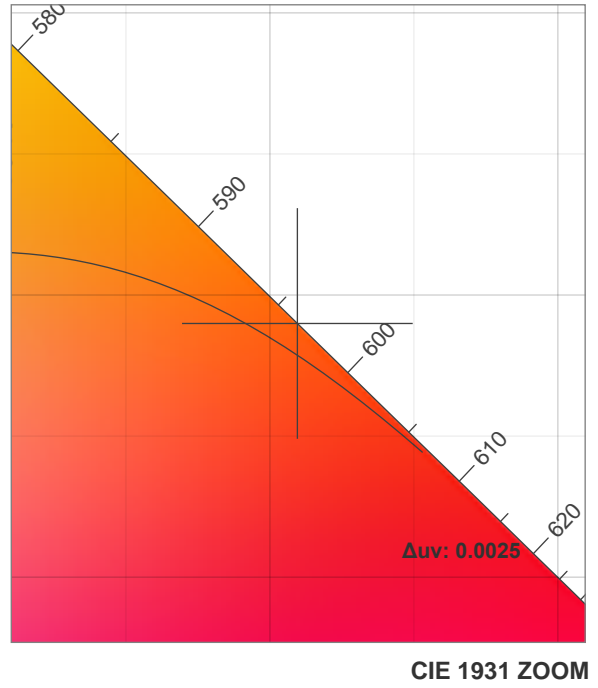
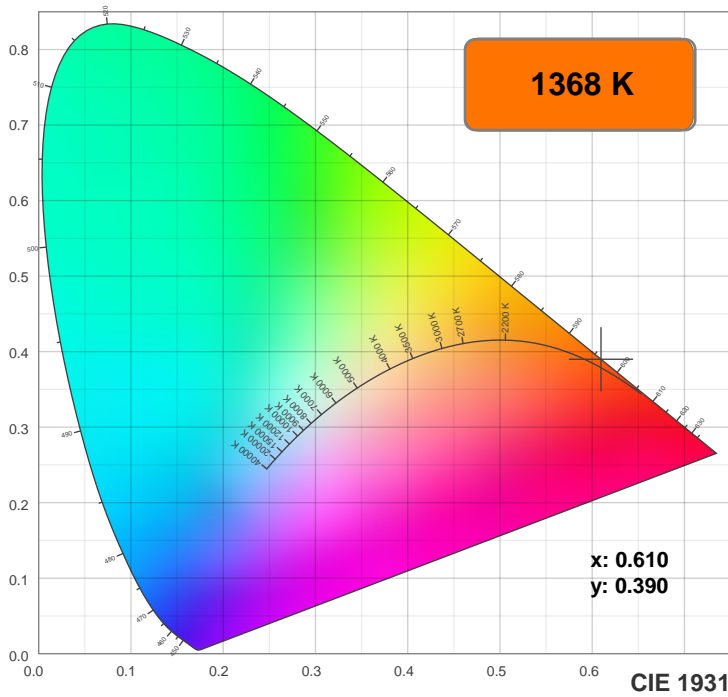
Dominant Wavelength: 596nm



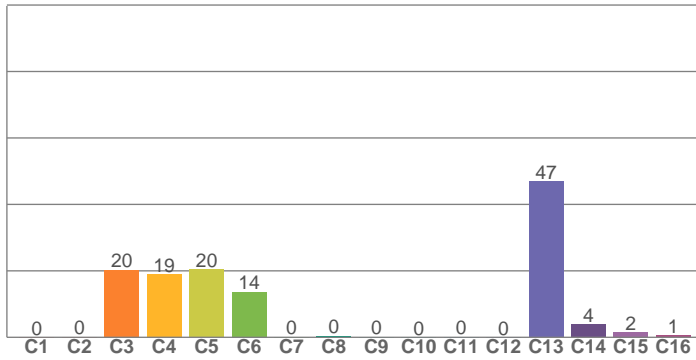
Power



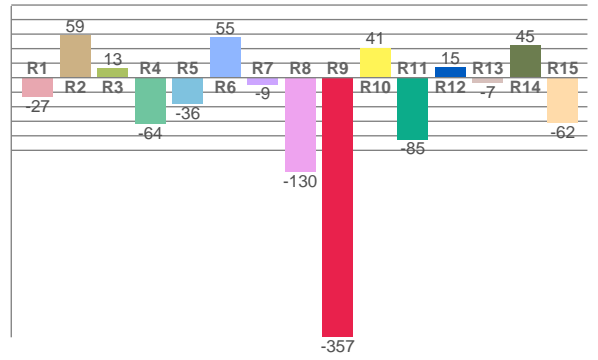
Color Details



TM30: 0.5



CRI: -17.4 (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
-26.7	58.5	13.1	-64.1	-36.5	55.5	-9.3	-129.7	-357.4	41.2	-85.0	14.7	-6.7	44.8	-61.8

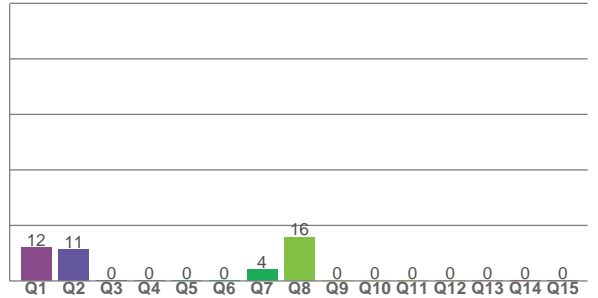
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.1	20.3	19.0	20.5	13.6	0.1	0.5	0.1	0.0	0.2	0.0	46.9	3.8	1.5	0.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.9	11.2	0.0	0.0	0.0	0.2	4.1	15.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0

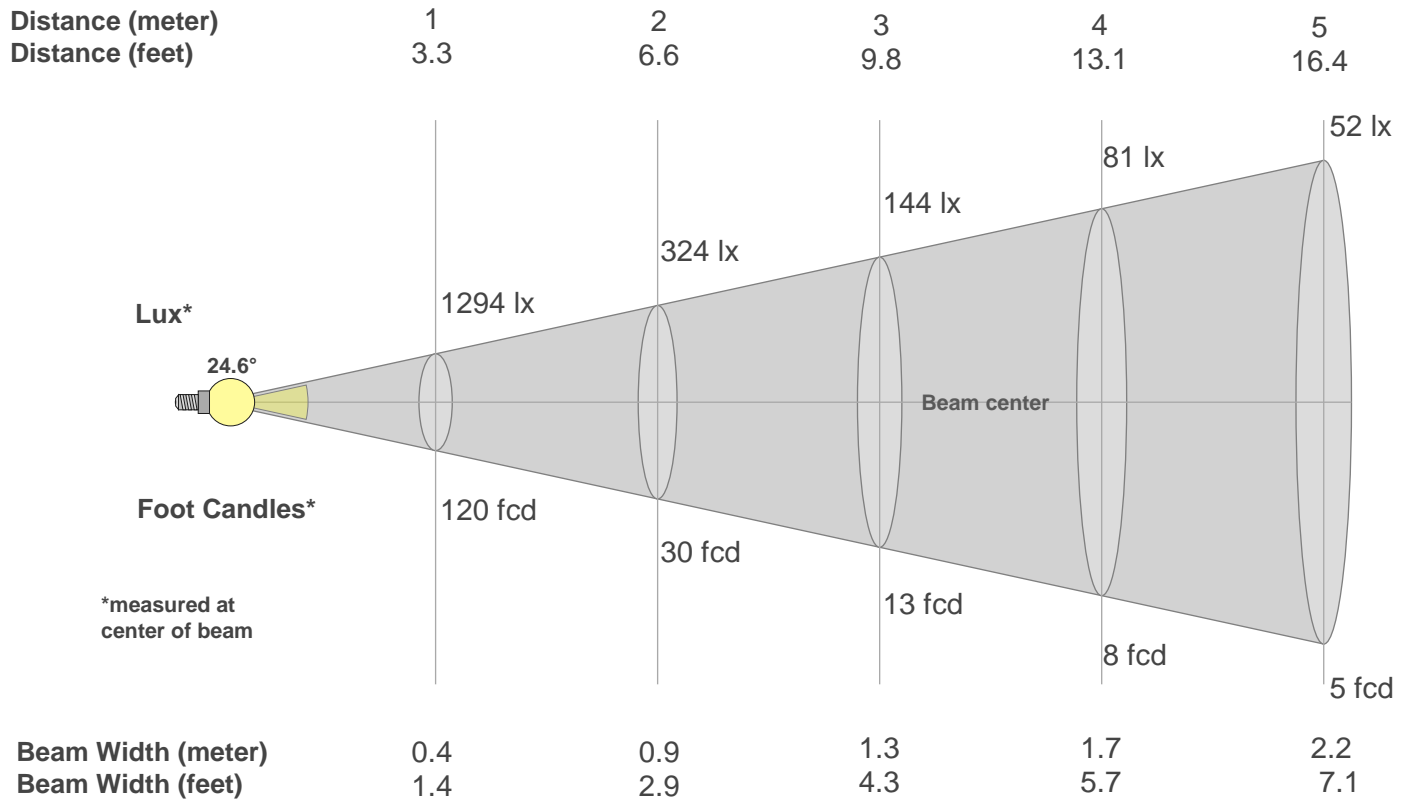
CQS: 0.0



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	Δuv
1368 K	-17.4	-357.4	0.5	0.3	0.0	0.610	0.390	0.377	0.362	0.0025

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	1294	324	144	81	52	36	26	20	16	13	11	9	8	7	6	5	4	4	4	3
fcd	120.2	30.1	13.4	7.5	4.8	3.3	2.5	1.9	1.5	1.2	1	0.8	0.7	0.6	0.5	0.5	0.4	0.4	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°
1294	1243	1151	1034	907	783	666	562	471	392	324	267	218	177	143	116	93	75	61	49
100%	96%	89%	80%	70%	60%	51%	43%	36%	30%	25%	21%	17%	14%	11%	9%	7%	6%	5%	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°
1294	1243	1151	1034	907	783	666	562	471	392	324	267	218	177	143	116	93	75	61	49
100%	96%	89%	80%	70%	60%	51%	43%	36%	30%	25%	21%	17%	14%	11%	9%	7%	6%	5%	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°
1294	1293	1237	1130	988	829	672	530	411	317	245	190	148	117	92	74	59	47	38	31
100%	100%	96%	87%	76%	64%	52%	41%	32%	24%	19%	15%	11%	9%	7%	6%	5%	4%	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°
1294	1293	1237	1130	988	829	672	530	411	317	245	190	148	117	92	74	59	47	38	31
100%	100%	96%	87%	76%	64%	52%	41%	32%	24%	19%	15%	11%	9%	7%	6%	5%	4%	3%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.6°	54°	79.5°	99.1%	95.3%