

MOD TW100



Light Efficiency:

11 Lumen/Watt

Light Quality:

CRI: -17.2

Color Temperature:

1363 K

Output: 334 lm

Peak: 1870 cd

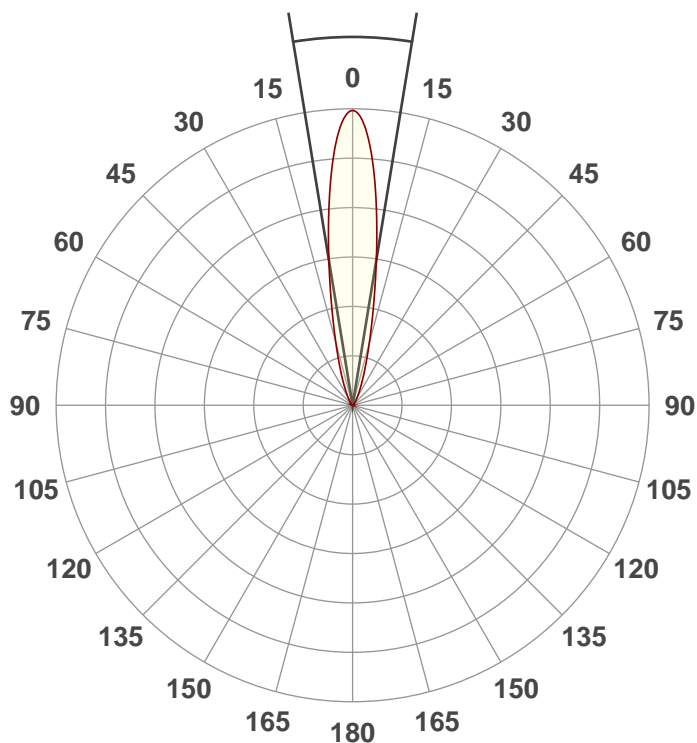
Power: 30.7 W

PF: 0.62



Beam Angle

18.6°



Test:

20Deg Amber

Date:

11/26/2018

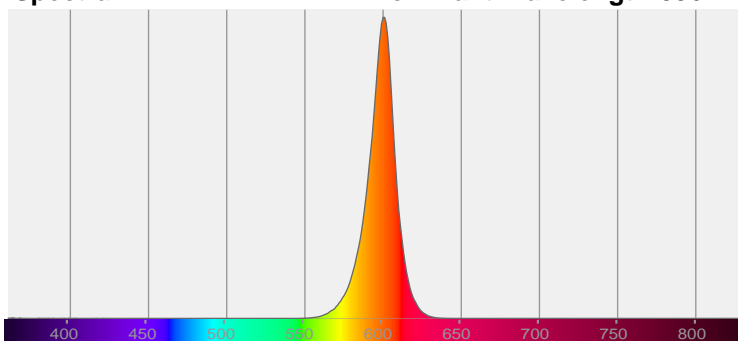
Note:



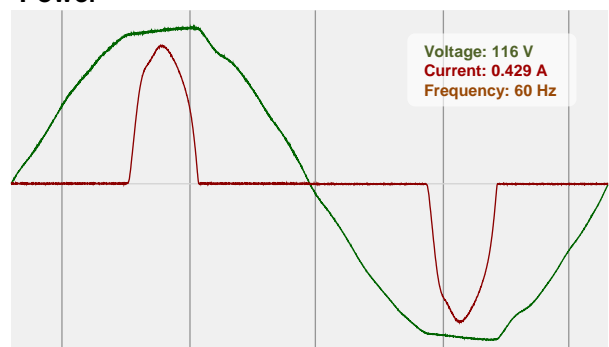
CIE 1931
x: 0.610
y: 0.389

Spectra

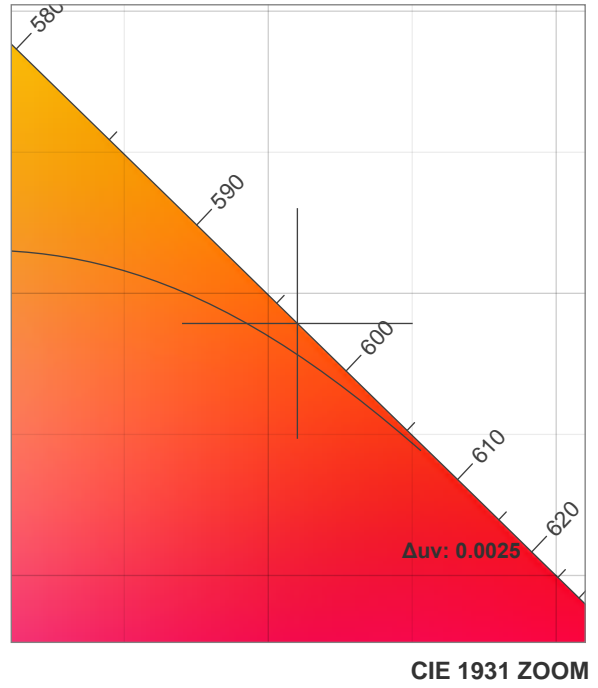
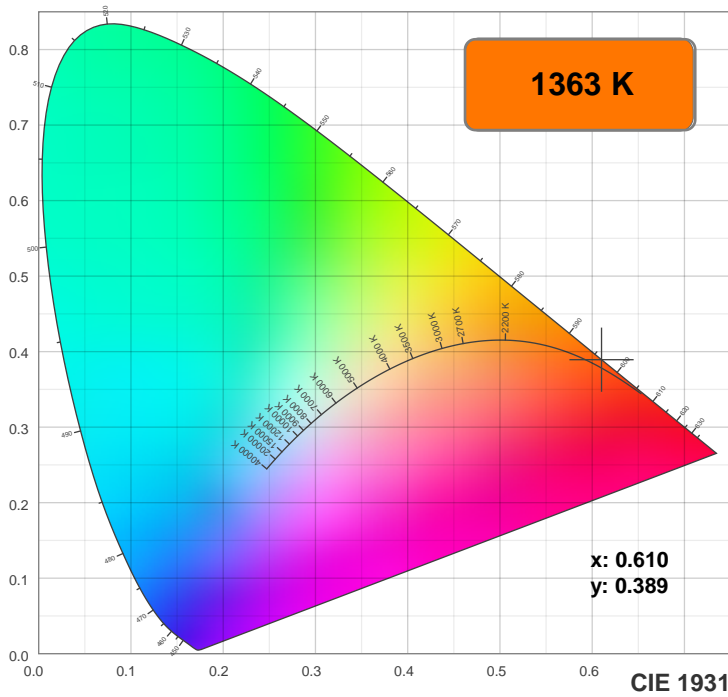
Dominant Wavelength: 596nm



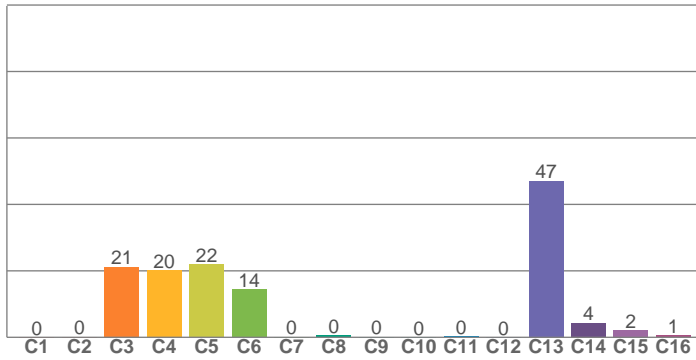
Power



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
-26.5	58.8	13.0	-64.0	-36.3	56.1	-9.4	-129.6	-356.5	41.7	-84.6	15.8	-6.3	44.7	-61.6

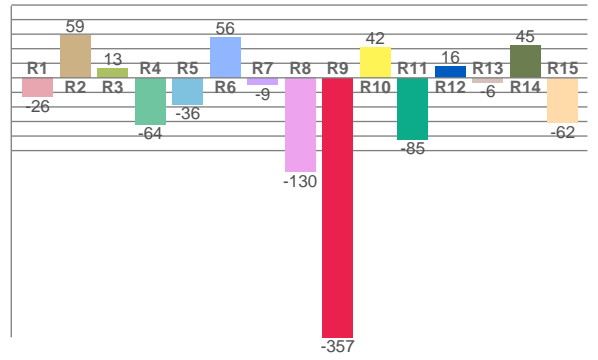
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.1	21.2	20.2	21.9	14.4	0.1	0.5	0.1	0.0	0.2	0.0	47.0	4.3	2.1	0.6

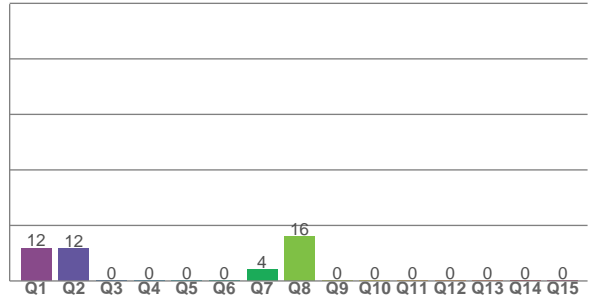
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.8	11.6	0.0	0.0	0.0	0.2	4.1	16.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0

CRI: -17.2 (R1-R8)



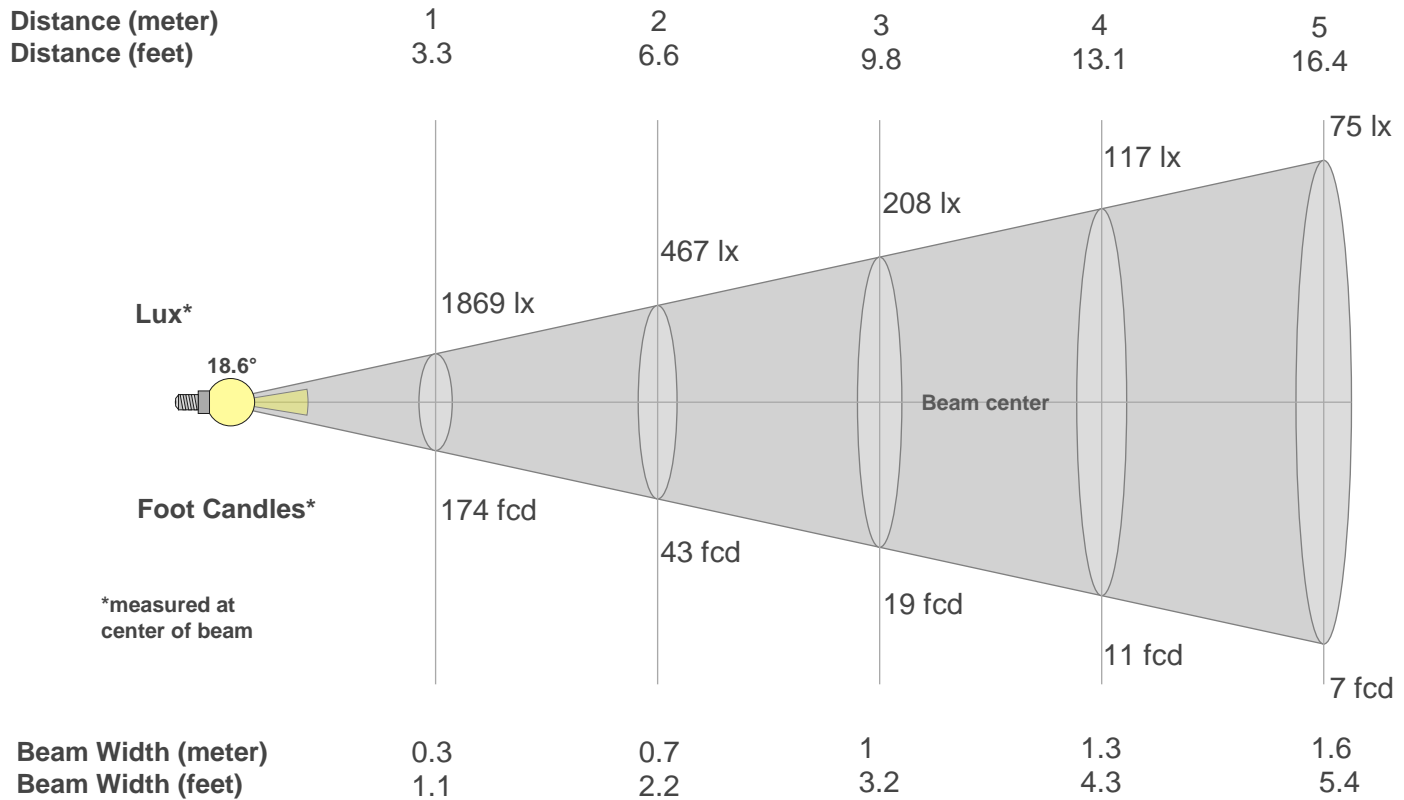
CQS: 0.0



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
1363 K	-17.2	-356.5	0.5	0.6	0.0	0.610	0.389	0.378	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	1869	467	208	117	75	52	38	29	23	19	15	13	11	10	8	7	6	6	5	5
fcd	173.7	43.4	19.3	10.9	6.9	4.8	3.5	2.7	2.1	1.7	1.4	1.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4

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°
1869	1805	1628	1377	1103	848	636	476	357	270	206	158	122	95	75	59	47	39	32	27
100%	97%	87%	74%	59%	45%	34%	25%	19%	14%	11%	8%	7%	5%	4%	3%	3%	2%	2%	1%

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°
1869	1805	1628	1377	1103	848	636	476	357	270	206	158	122	95	75	59	47	39	32	27
100%	97%	87%	74%	59%	45%	34%	25%	19%	14%	11%	8%	7%	5%	4%	3%	3%	2%	2%	1%

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°
1869	1804	1630	1382	1105	847	635	475	356	269	205	157	122	95	74	59	47	39	32	26
100%	97%	87%	74%	59%	45%	34%	25%	19%	14%	11%	8%	7%	5%	4%	3%	3%	2%	2%	1%

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°
1869	1804	1630	1382	1105	847	635	475	356	269	205	157	122	95	74	59	47	39	32	26
100%	97%	87%	74%	59%	45%	34%	25%	19%	14%	11%	8%	7%	5%	4%	3%	3%	2%	2%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
18.6°	41.4°	64.2°	99.1%	95.9%