

MOD TW100



Light Efficiency:

28 Lumen/Watt

Light Quality:

CRI: 94.5

Color Temperature:

5725 K

Output: 878 lm

Peak: 4557 cd

Power: 30.9 W

PF: 0.59



Beam Angle

19.1°

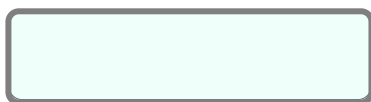
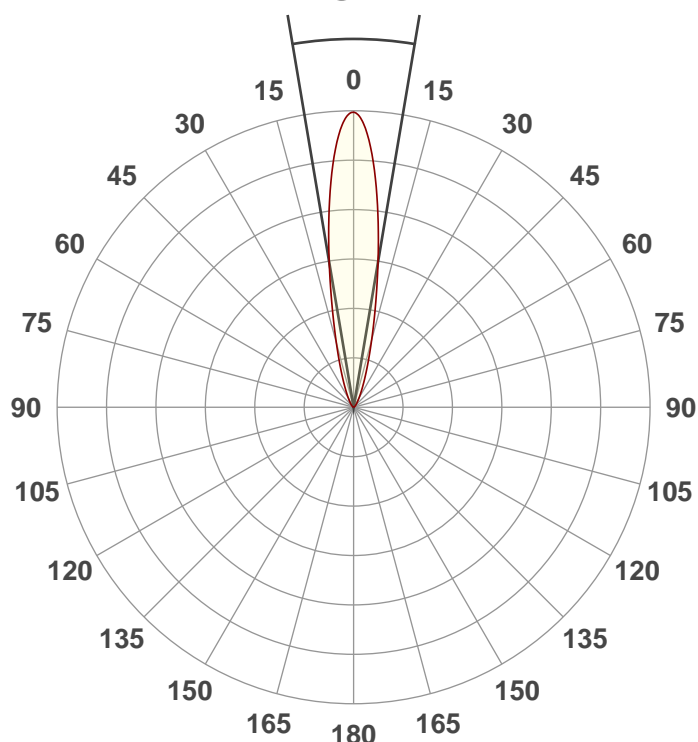
Test:

20Deg CW

Date:

11/26/2018

Note:



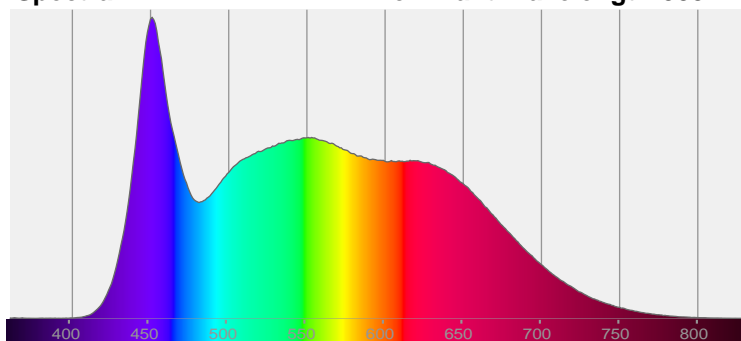
CIE 1931

x: 0.328

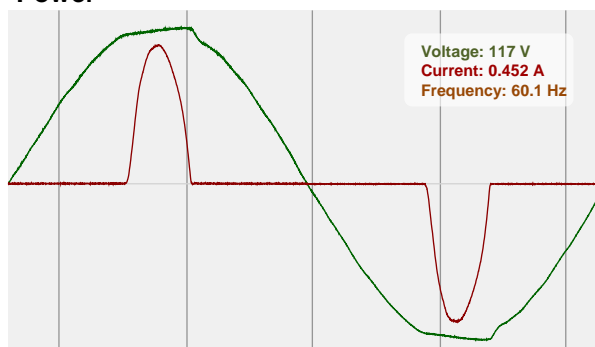
y: 0.339

Spectra

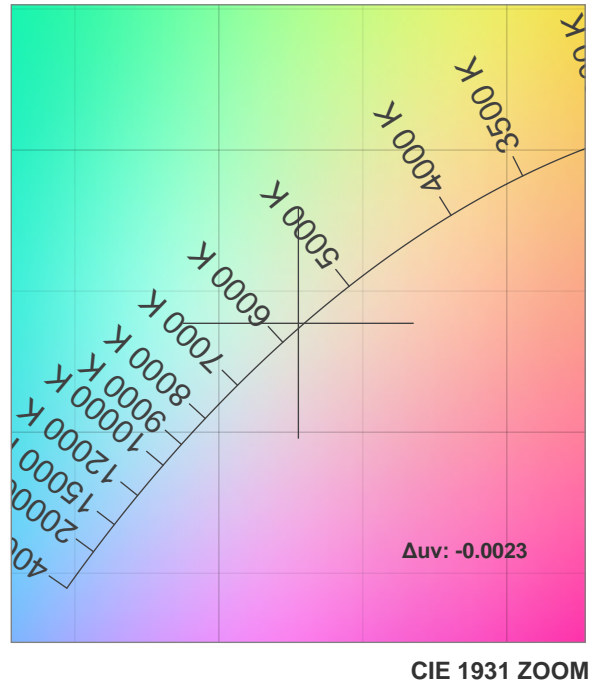
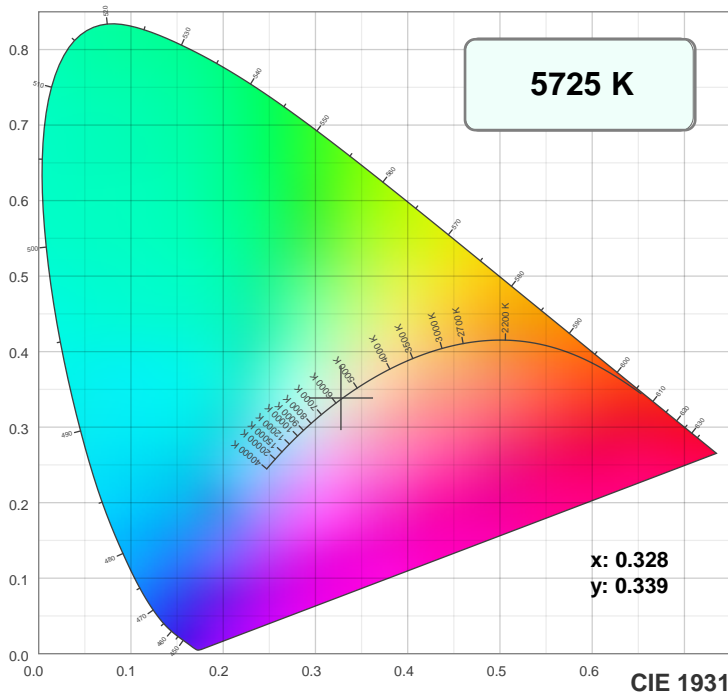
Dominant Wavelength: 583nm



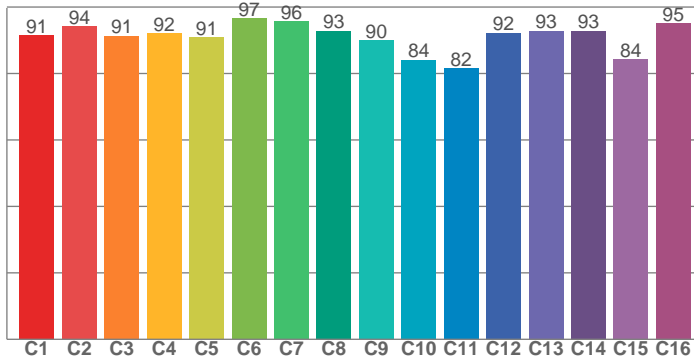
Power



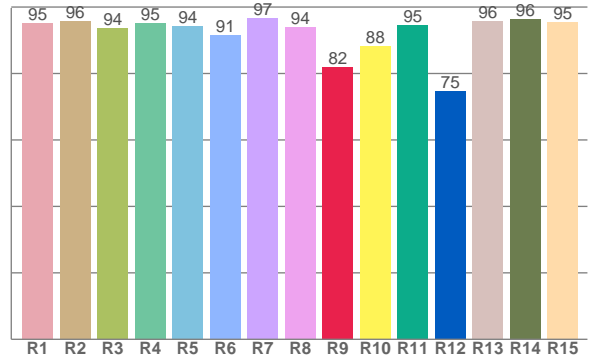
Color Details



TM30: 90.9



CRI: 94.5 (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
95.2	95.7	93.5	95.1	94.3	91.5	96.6	93.8	81.9	88.1	94.5	74.6	95.7	96.3	95.5

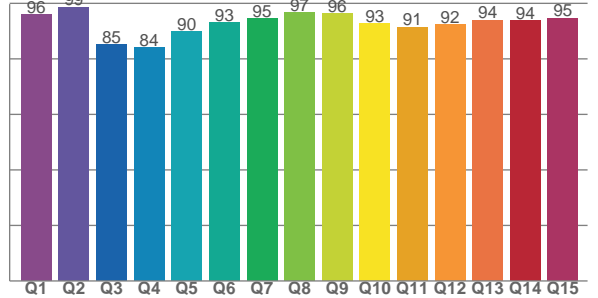
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.4	94.2	91.3	92.0	90.8	96.6	95.7	92.8	90.0	84.0	81.6	92.2	92.9	92.8	84.3	95.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.0	98.7	85.2	84.1	89.8	93.0	94.5	96.7	96.3	92.7	91.4	92.4	93.9	93.7	94.7

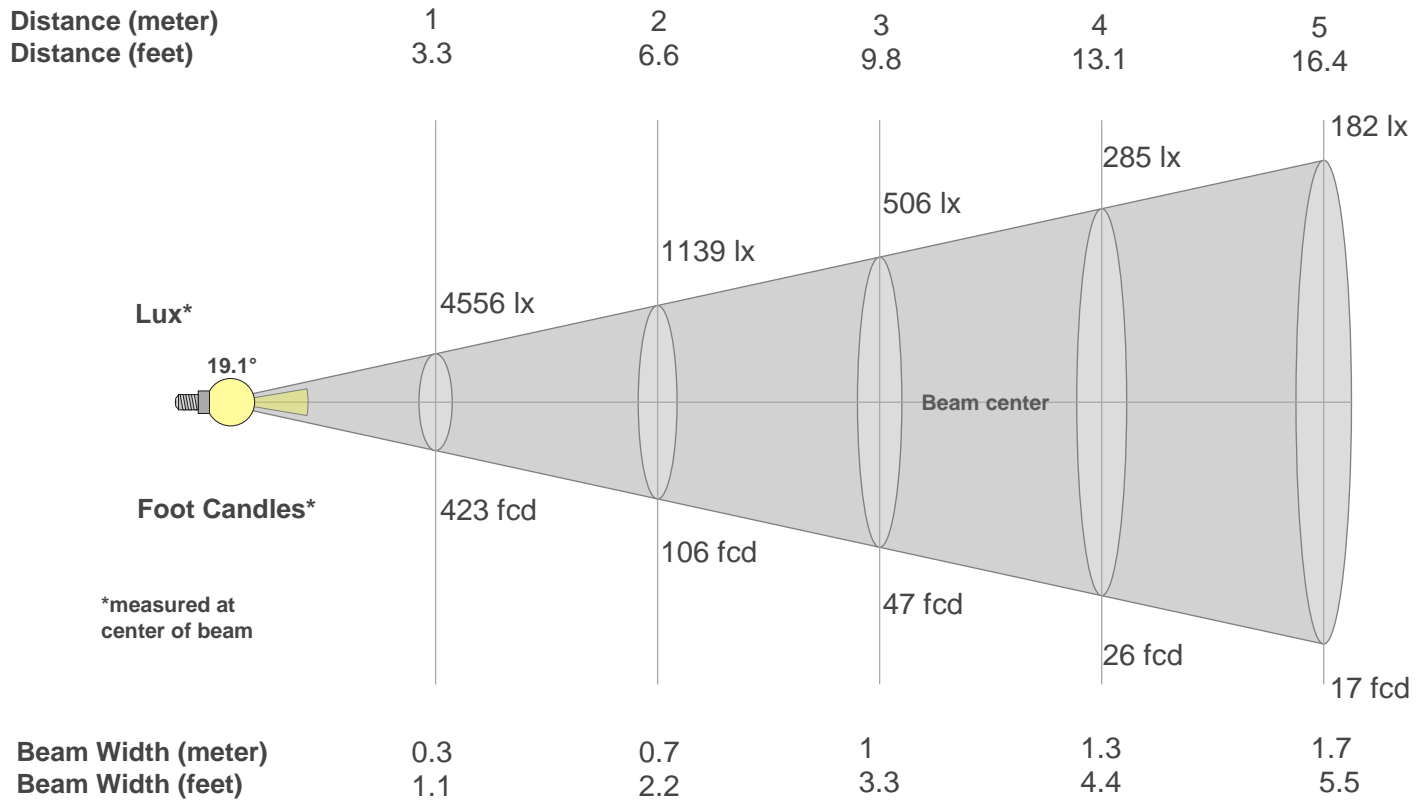
CQS: 91.9



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
5725 K	94.5	81.9	90.9	100.0	91.9	0.328	0.339	0.205	0.317	-0.0023

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	4556	1139	506	285	182	127	93	71	56	46	38	32	27	23	20	18	16	14	13	11
fcd	423.3	105.8	47	26.5	16.9	11.8	8.6	6.6	5.2	4.2	3.5	2.9	2.5	2.2	1.9	1.7	1.5	1.3	1.2	1.1

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°
4556	4415	4008	3422	2770	2140	1604	1194	894	677	518	400	313	248	198	160	131	110	94	79
100%	97%	88%	75%	61%	47%	35%	26%	20%	15%	11%	9%	7%	5%	4%	4%	3%	2%	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°
4556	4415	4008	3422	2770	2140	1604	1194	894	677	518	400	313	248	198	160	131	110	94	79
100%	97%	88%	75%	61%	47%	35%	26%	20%	15%	11%	9%	7%	5%	4%	4%	3%	2%	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°
4556	4390	3959	3380	2747	2149	1643	1242	942	719	552	428	336	265	212	171	139	116	97	83
100%	96%	87%	74%	60%	47%	36%	27%	21%	16%	12%	9%	7%	6%	5%	4%	3%	3%	2%	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°
4556	4390	3959	3380	2747	2149	1643	1242	942	719	552	428	336	265	212	171	139	116	97	83
100%	96%	87%	74%	60%	47%	36%	27%	21%	16%	12%	9%	7%	6%	5%	4%	3%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.1°	42.5°	67.9°	98.6%	94.3%