

MOD HEX100



Light Efficiency:

36 Lumen/Watt

Light Quality:

CRI: 76.4

Color Temperature:

7571 K

Output: 794 lm

Peak: 3950 cd

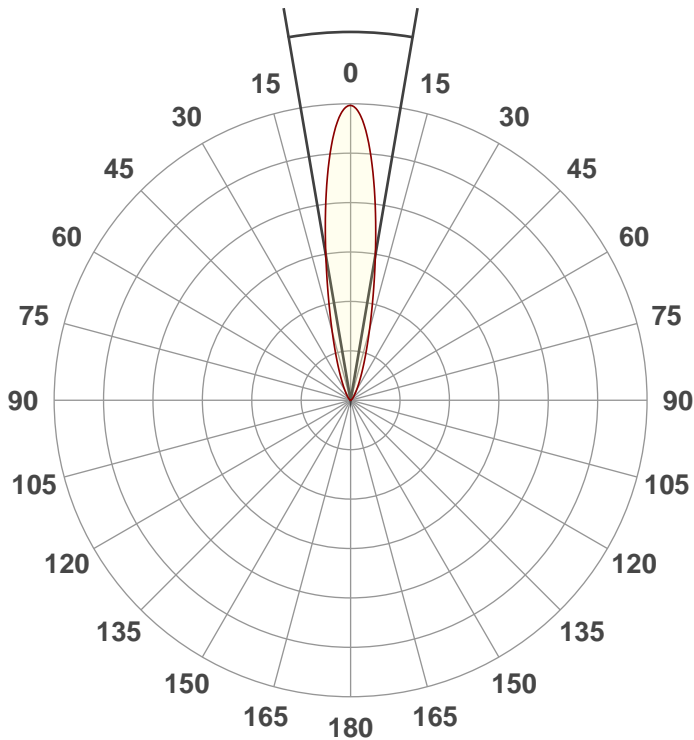
Power: 22.3 W

PF: 0.55



Beam Angle

19.4°



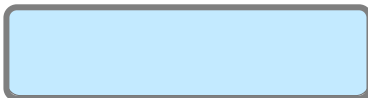
Test:

20Deg White

Date:

11/20/2018

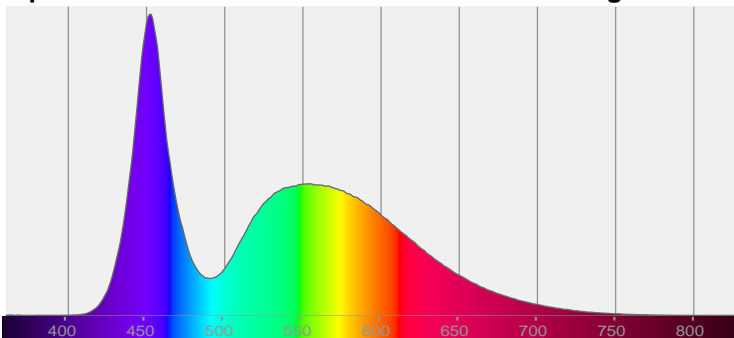
Note:



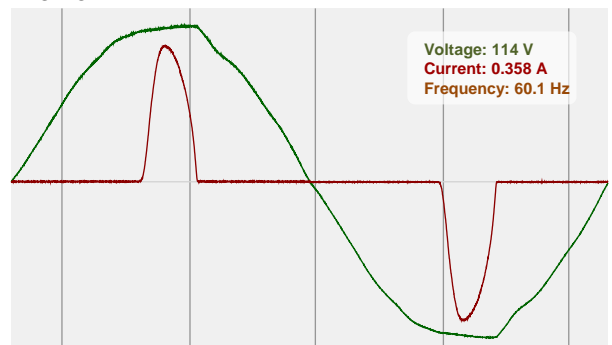
CIE 1931
x: 0.300
y: 0.307

Spectra

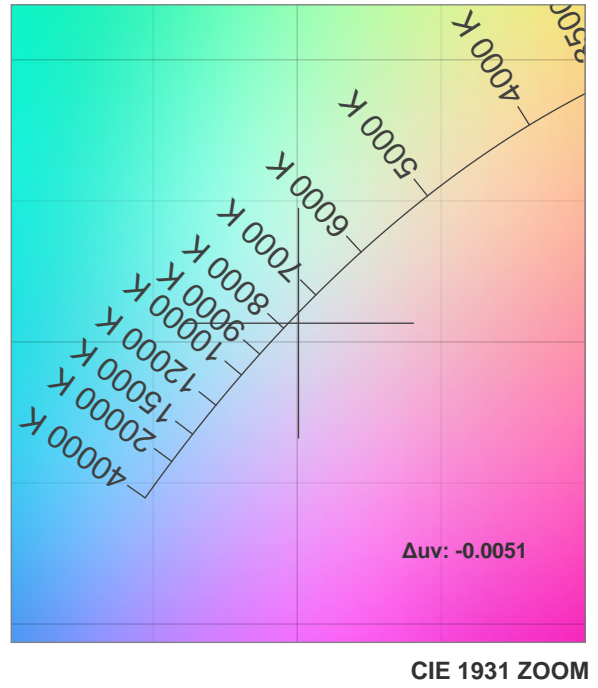
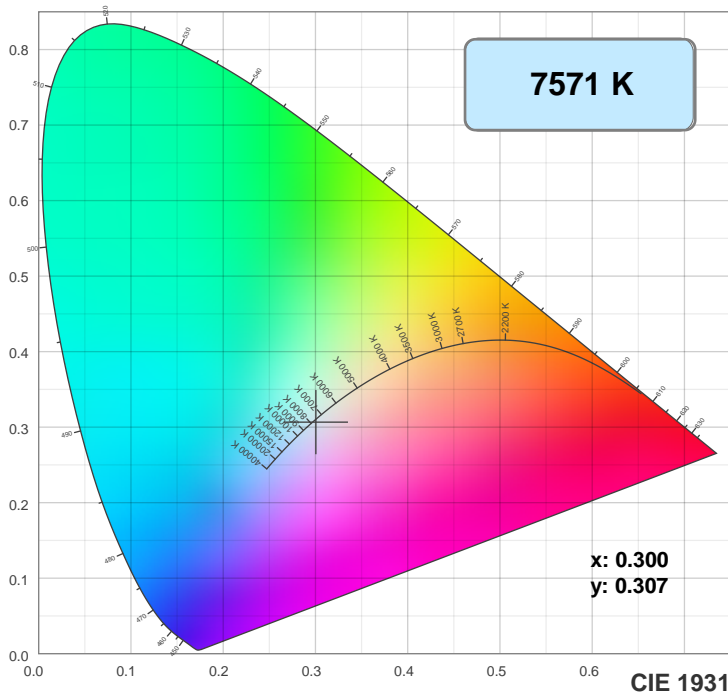
Dominant Wavelength: 458nm



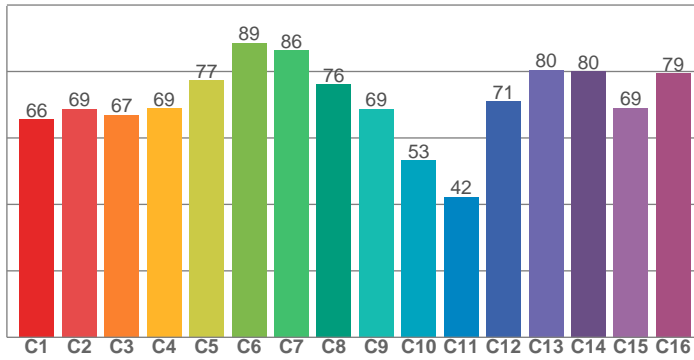
Power



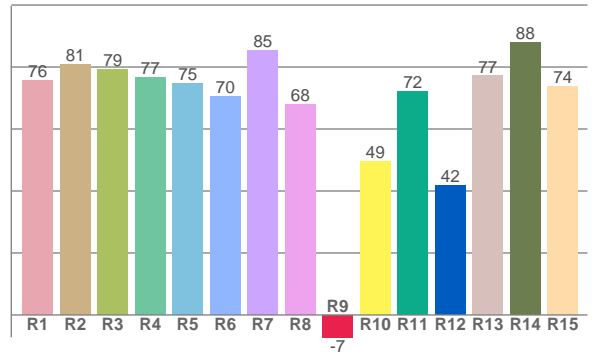
Color Details



TM30: 71.0



CRI: 76.4 (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
75.7	80.9	79.2	76.7	74.8	70.4	85.4	67.9	-7.2	49.4	72.0	41.7	77.1	88.1	73.7

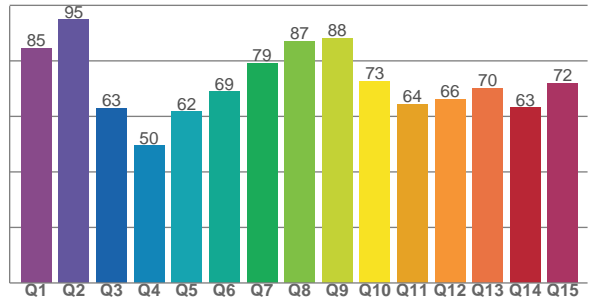
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.6	68.8	67.0	69.0	77.3	88.6	86.4	76.2	68.7	53.2	42.3	70.9	80.4	80.0	69.1	79.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84.5	94.9	63.0	49.6	61.6	68.8	79.2	87.1	88.1	72.7	64.4	66.1	70.1	63.2	72.0

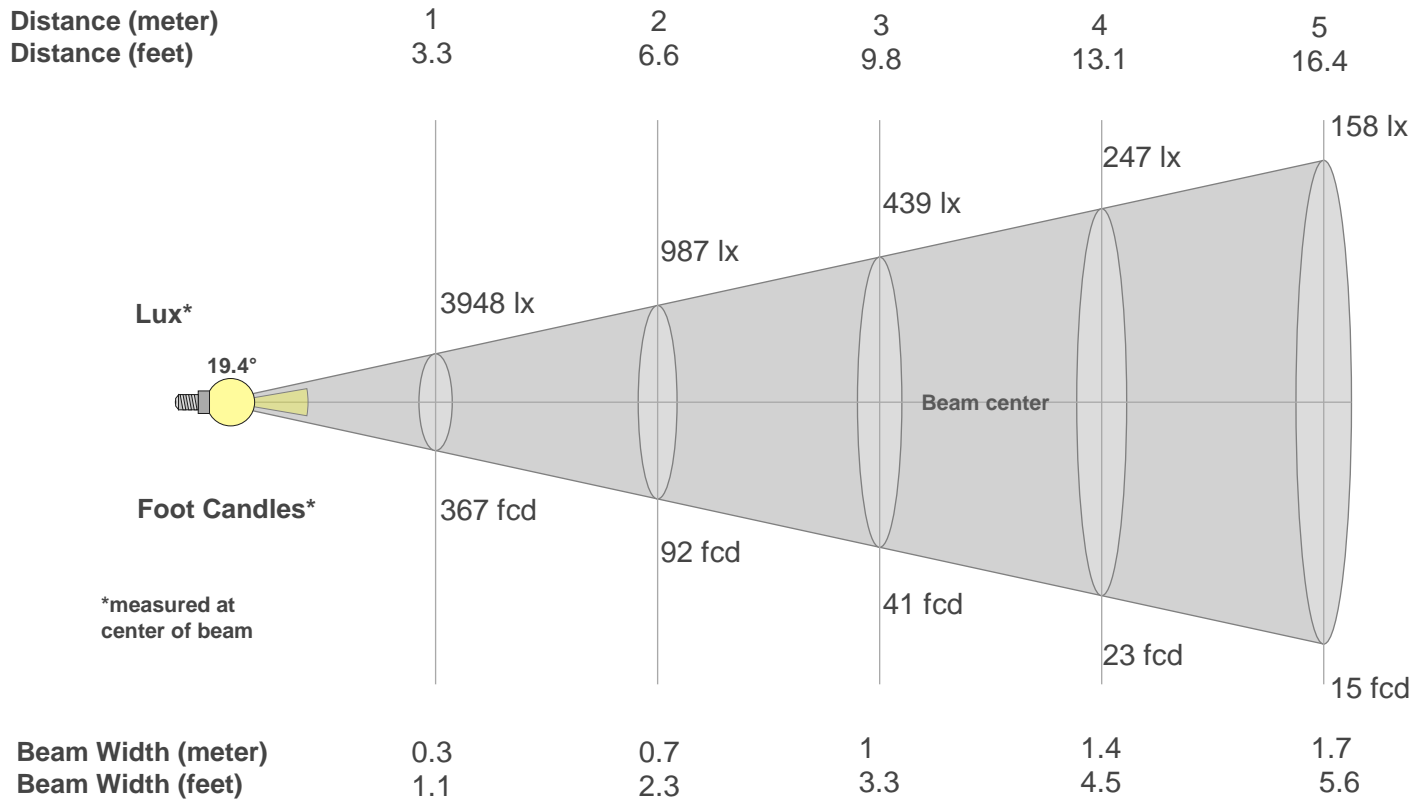
CQS: 69.9



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
7571 K	76.4	-7.2	71.0	92.9	69.9	0.300	0.307	0.198	0.303	-0.0051

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	3948	987	439	247	158	110	81	62	49	39	33	27	23	20	18	15	14	12	11	10
fcd	366.8	91.7	40.8	22.9	14.7	10.2	7.5	5.7	4.5	3.7	3	2.5	2.2	1.9	1.6	1.4	1.3	1.1	1	0.9

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°
3948	3836	3490	2993	2432	1897	1445	1094	833	638	492	383	300	237	190	153	124	103	86	74
100%	97%	88%	76%	62%	48%	37%	28%	21%	16%	12%	10%	8%	6%	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°
3948	3836	3490	2993	2432	1897	1445	1094	833	638	492	383	300	237	190	153	124	103	86	74
100%	97%	88%	76%	62%	48%	37%	28%	21%	16%	12%	10%	8%	6%	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°
3948	3817	3458	2962	2414	1899	1465	1120	860	663	515	403	318	252	202	163	132	108	92	77
100%	97%	88%	75%	61%	48%	37%	28%	22%	17%	13%	10%	8%	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°
3948	3817	3458	2962	2414	1899	1465	1120	860	663	515	403	318	252	202	163	132	108	92	77
100%	97%	88%	75%	61%	48%	37%	28%	22%	17%	13%	10%	8%	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
19.4°	43.9°	69.7°	98.9%	94.7%