

Focus Beam LED



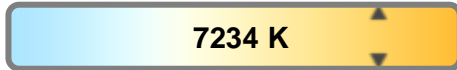
Light Efficiency:



Light Quality:



Color Temperature:



Output: 1385 lm

Peak: 118822 cd

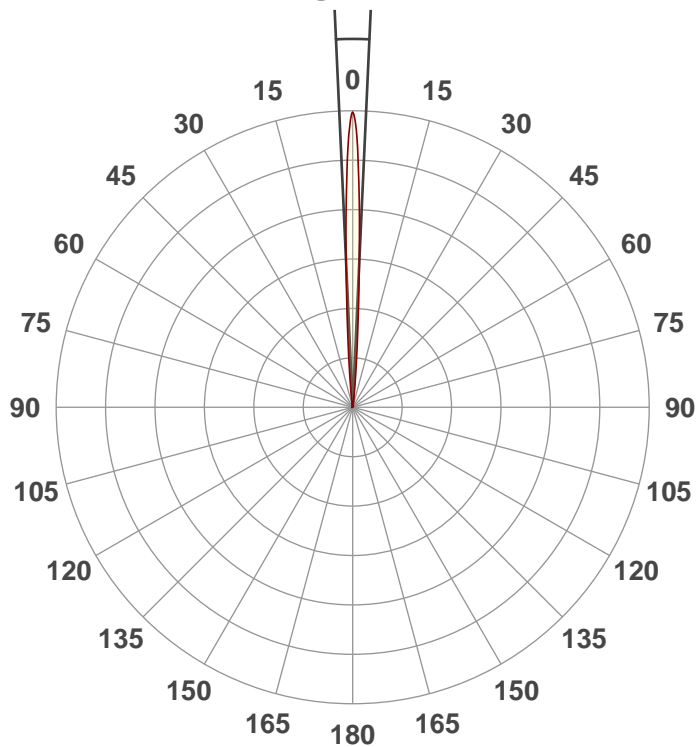
Power: 147.4 W

PF: 0.99



Beam Angle

5.2°



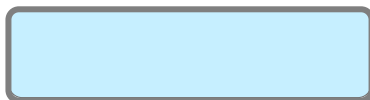
Test:

Frost

Date:

7/22/2019

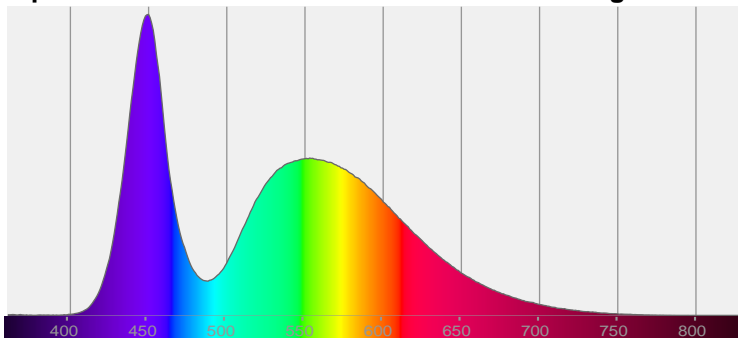
Note:



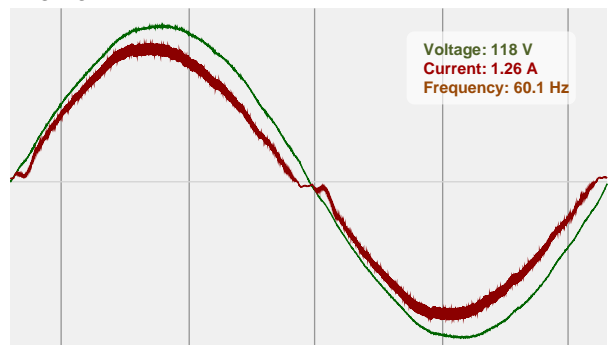
CIE 1931
x: 0.304
y: 0.314

Spectra

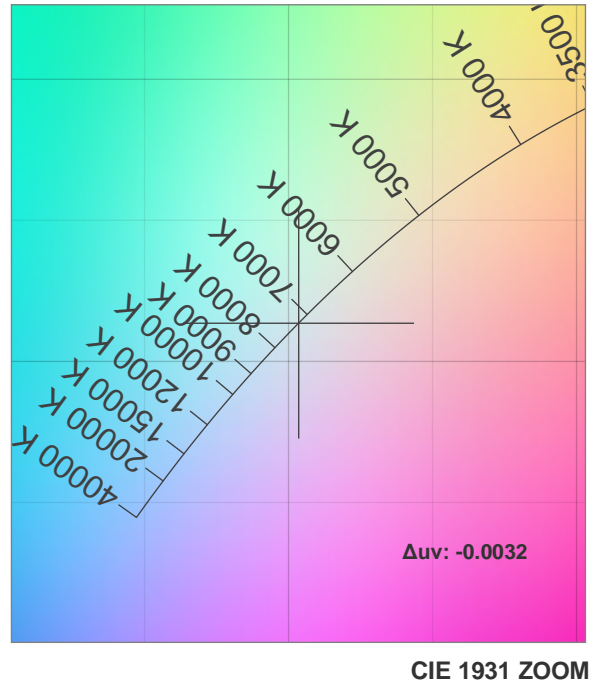
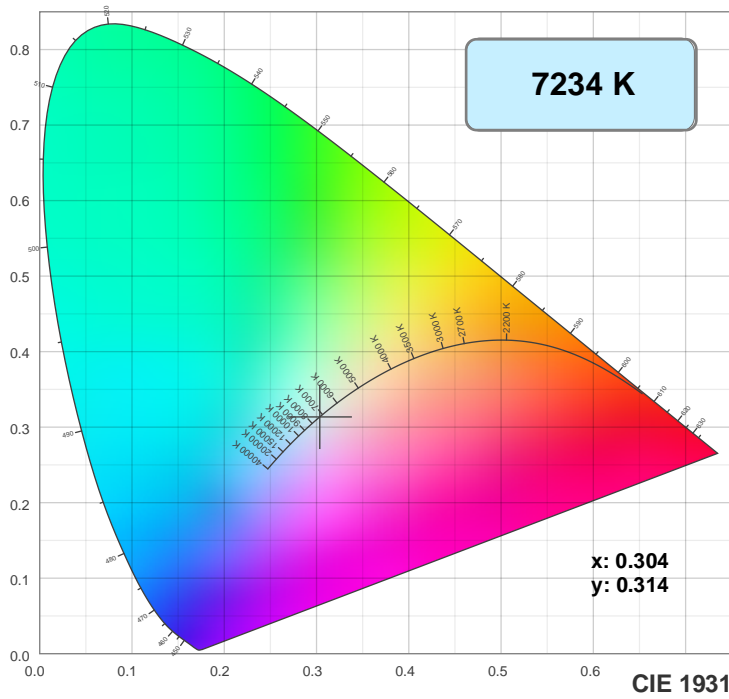
Dominant Wavelength: 463nm



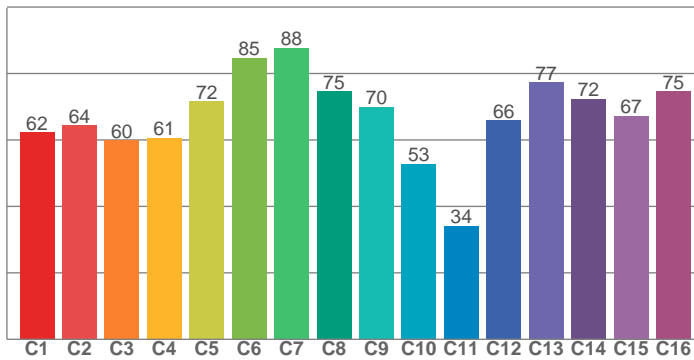
Power



Color Details



TM30: 67.3



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
70.1	74.7	74.1	73.2	70.9	64.6	80.7	62.6	-27.4	36.3	69.4	40.2	70.4	85.2	66.2

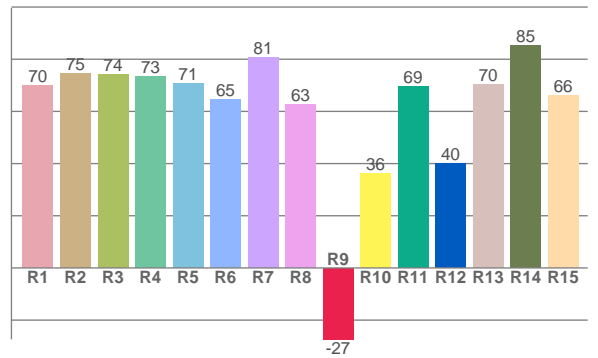
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
62.3	64.4	59.9	60.7	71.6	84.7	87.7	74.5	70.0	52.7	34.1	65.9	77.3	72.3	67.2	74.6

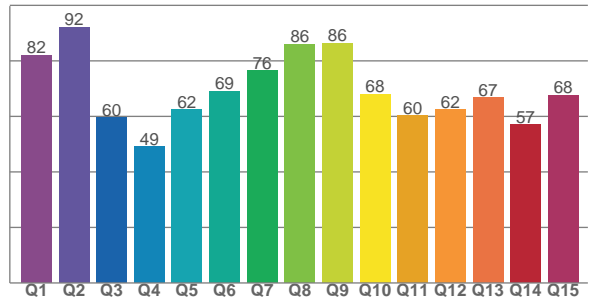
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.0	92.1	59.6	49.2	62.5	69.0	76.5	86.0	86.3	68.0	60.2	62.5	66.8	57.1	67.7

CRI: 71.4 (R1-R8)



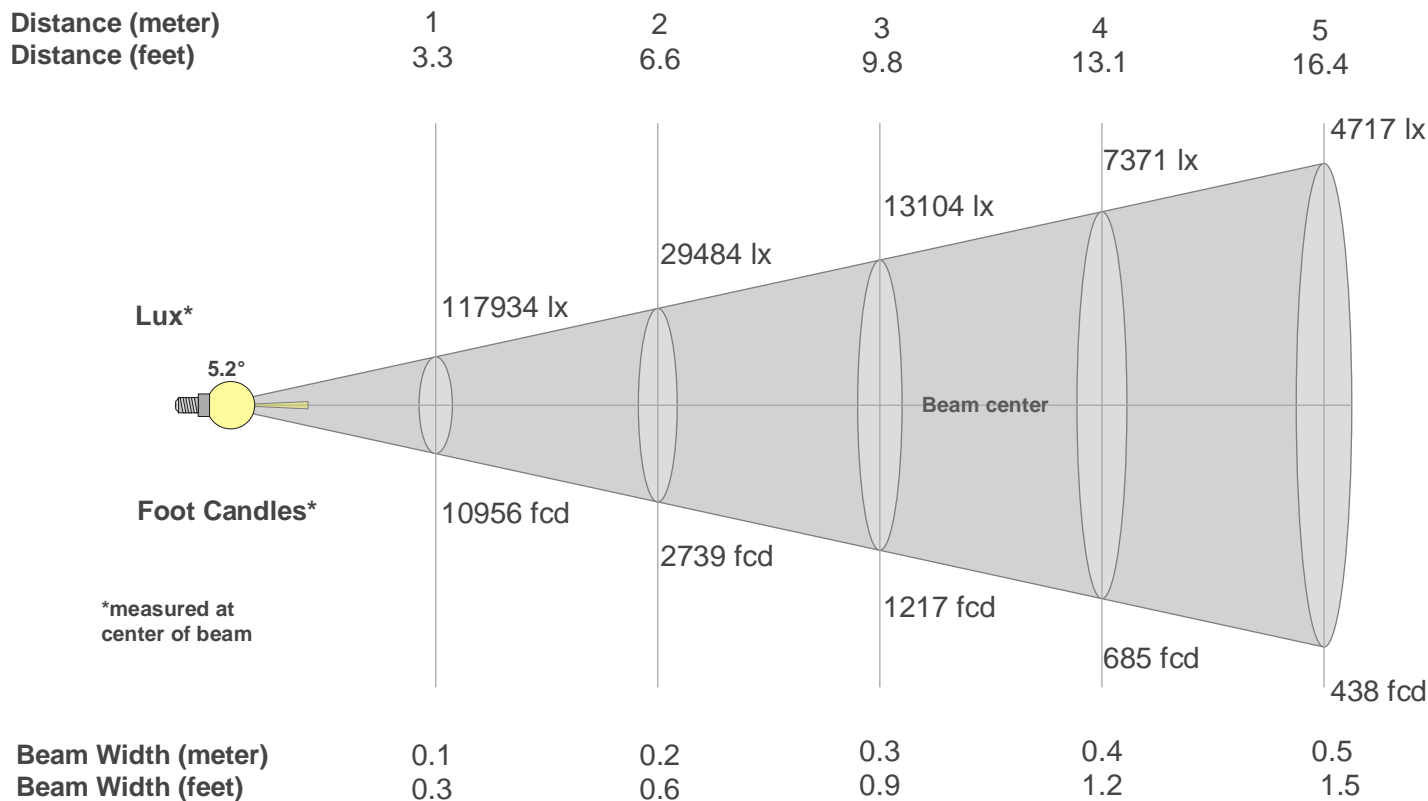
CQS: 67.4



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
7234 K	71.4	-27.4	67.3	92.9	67.4	0.304	0.314	0.197	0.306	-0.0032

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	11793 4	29484	13104	7371	4717	3276	2407	1843	1456	1179	975	819	698	602	524	461	408	364	327	295
fcd	10956 4	2739.1	1217.4	684.8	438.3	304.3	223.6	171.2	135.3	109.6	90.5	76.1	64.8	55.9	48.7	42.8	37.9	33.8	30.4	27.4

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
118K	106K	77K	48K	28K	15K	8K	4K	2K	1K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	89%	65%	41%	23%	13%	7%	4%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
118K	106K	77K	48K	28K	15K	8K	4K	2K	1K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	89%	65%	41%	23%	13%	7%	4%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
118K	106K	78K	49K	28K	15K	8K	5K	2K	1K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	90%	66%	41%	24%	13%	7%	4%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
118K	106K	78K	49K	28K	15K	8K	5K	2K	1K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	90%	66%	41%	24%	13%	7%	4%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
5.2°	10.9°	15.3°	99.9%	99.9%