

Focus Beam LED



Light Efficiency:

17 Lumen/Watt

Light Quality:

CRI: 72.0

Color Temperature:

7658 K

Output: 2550 lm

Peak: 2462927 cd

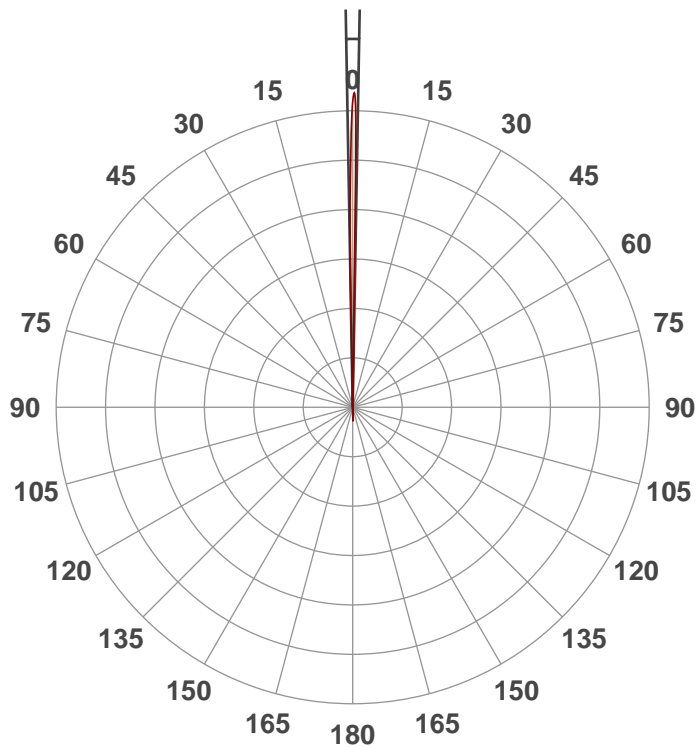
Power: 148.7 W

PF: 0.99



Beam Angle

2°

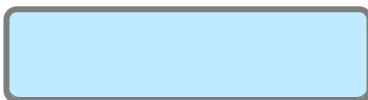


Test:

Date:

7/22/2019

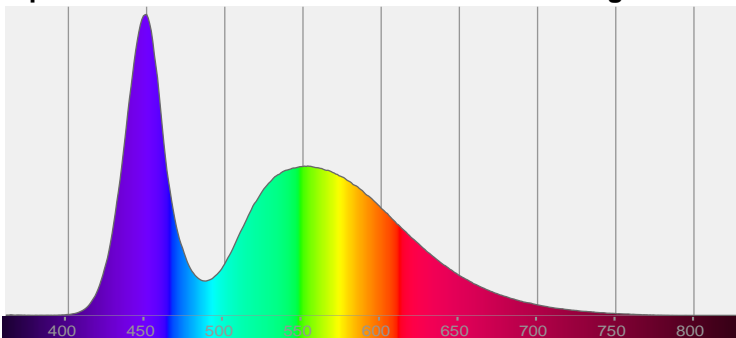
Note:



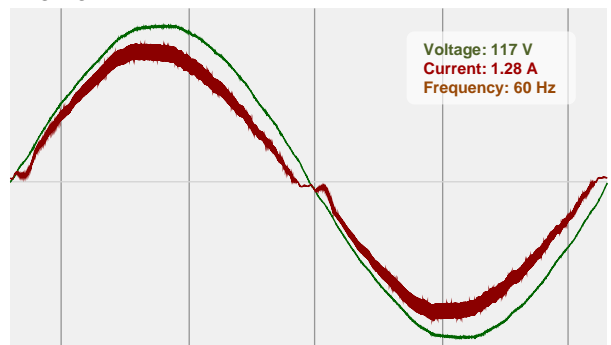
CIE 1931
x: 0.299
y: 0.307

Spectra

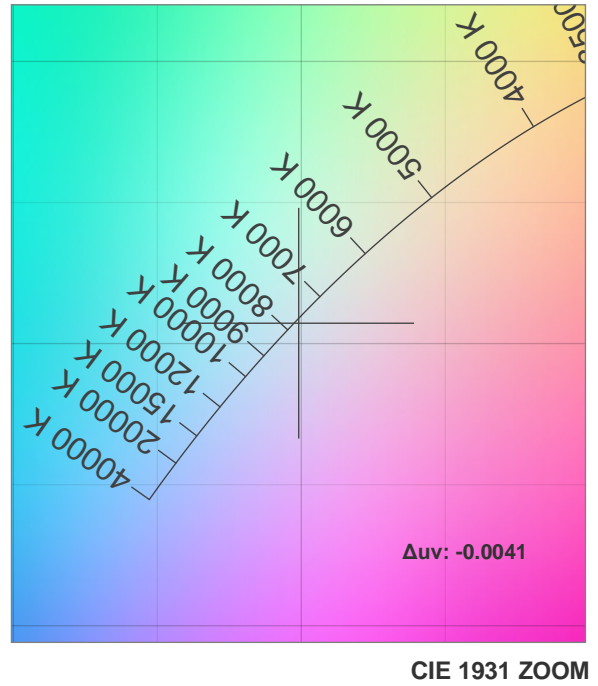
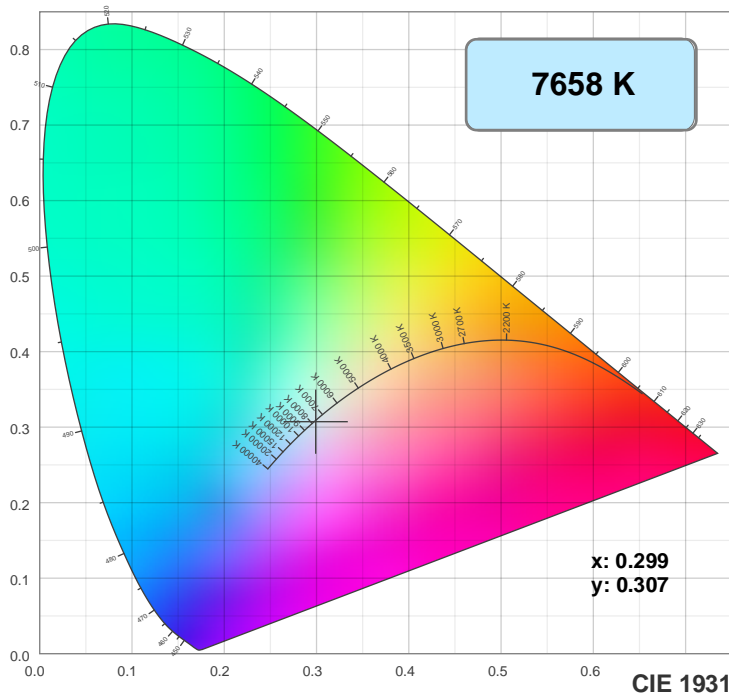
Dominant Wavelength: 466nm



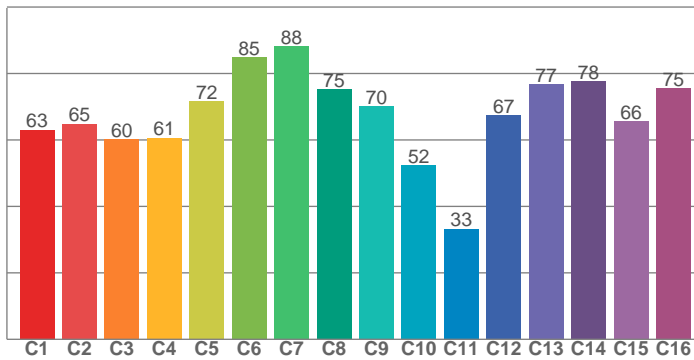
Power



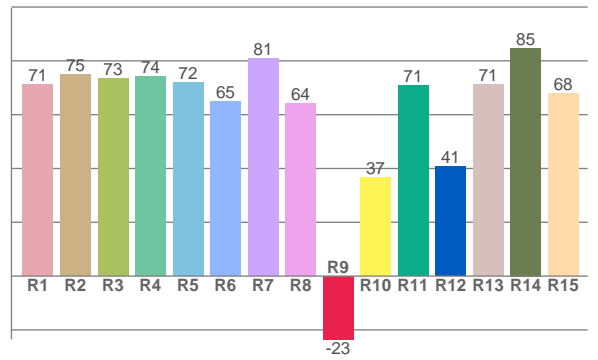
Color Details



TM30: 67.4



CRI: 72.0 (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
71.2	74.9	73.4	74.2	71.9	64.9	80.9	64.2	-23.5	36.5	70.8	40.8	71.3	84.8	67.7

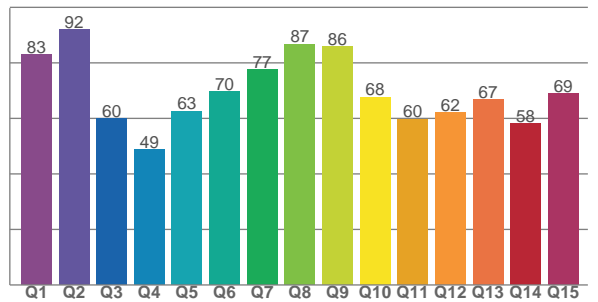
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63.1	64.8	60.2	60.5	71.5	84.9	88.2	75.2	70.1	52.4	33.2	67.3	76.8	77.6	65.6	75.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.9	92.0	59.9	48.8	62.5	69.6	77.5	86.7	85.8	67.7	59.8	62.2	66.8	58.1	68.9

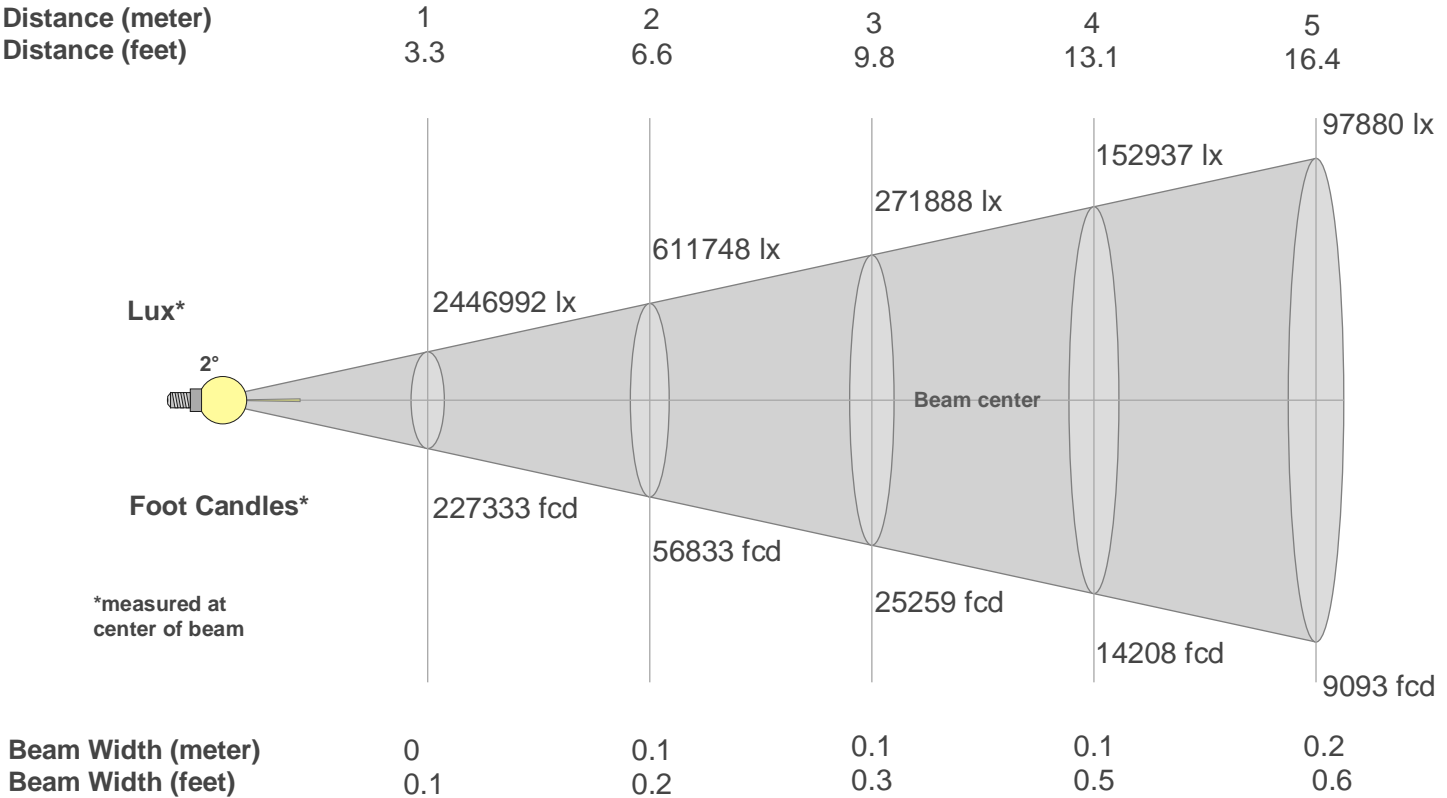
CQS: 67.6



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
7658 K	72.0	-23.5	67.4	93.4	67.6	0.299	0.307	0.197	0.303	-0.0041

Beam Details



Lux*

2°

Foot Candles*

*measured at center of beam

2446992 lx

611748 lx

271888 lx

152937 lx

97880 lx

227333 fcd

56833 fcd

25259 fcd

14208 fcd

9093 fcd

Beam center

Beam Width (meter)

Beam Width (feet)

0

0.1

0.1

0.2

0.1

0.3

0.1

0.5

0.2

0.6

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	2446992	611748	271888	152937	97880	67972	49939	38234	30210	24470	20223	16993	14479	12485	10876	9559	8467	7552	6778	6117
fcd	227333	56833.2	25259.2	14208.3	9093.3	6314.8	4639.4	3552.1	2806.6	2273.3	1878.8	1578.7	1345.2	1159.9	1010.4	888	786.6	701.6	629.7	568.3

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°	
2.4M	1.2M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	
100%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	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°	
2.4M	1.2M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	
100%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	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°	
2.4M	1.3M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	
100%	51%	1%	0%	0%	0%	0%	0%	0%	0%	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°	
2.4M	1.3M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	
100%	51%	1%	0%	0%	0%	0%	0%	0%	0%	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
2°	2.9°	3.4°	99.8%	99.8%