

Allegro Z6



Light Efficiency:

12 Lumen/Watt

Light Quality:

CRI: 68.5

Color Temperature:

8027 K

Output: 1058 lm

Peak: 105752 cd

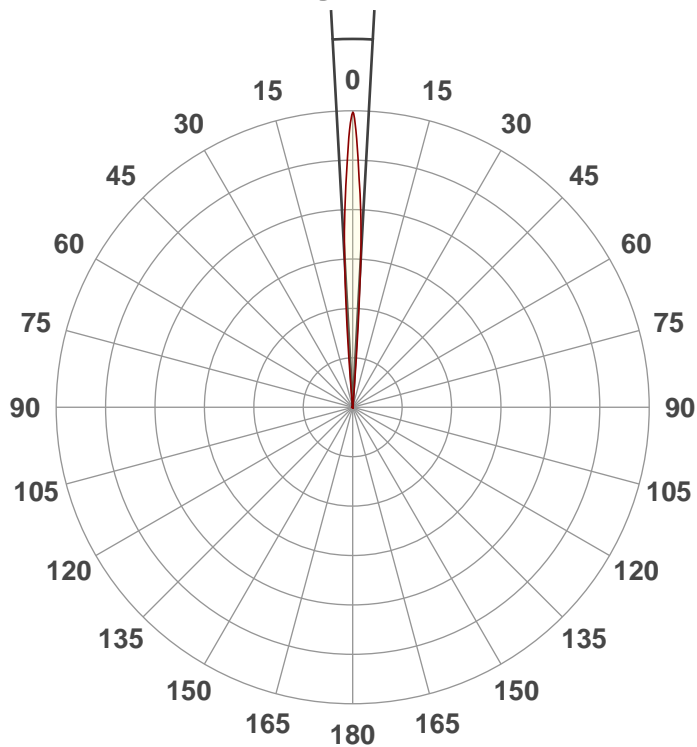
Power: 88.0 W

PF: 0.96



Beam Angle

6.2°



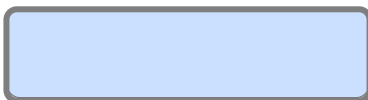
Test:

Zoom In White

Date:

9/4/2019

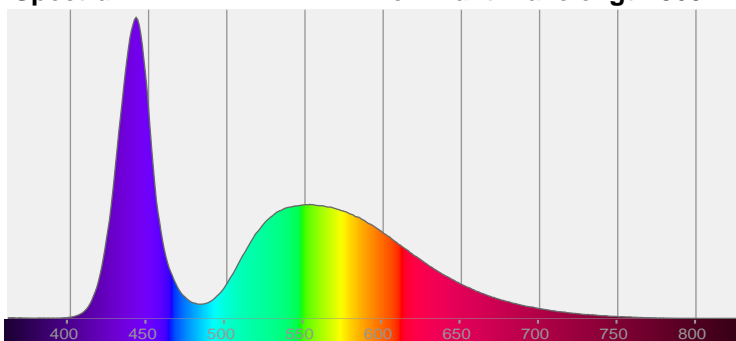
Note:



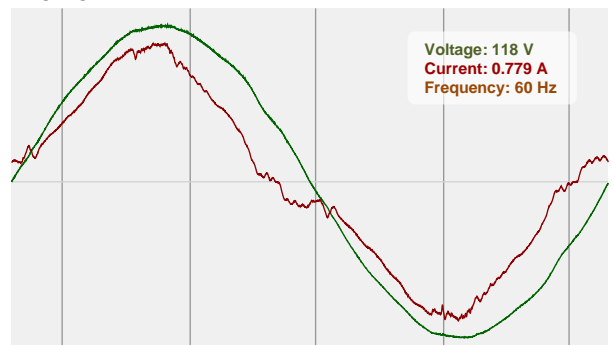
CIE 1931
x: 0.300
y: 0.291

Spectra

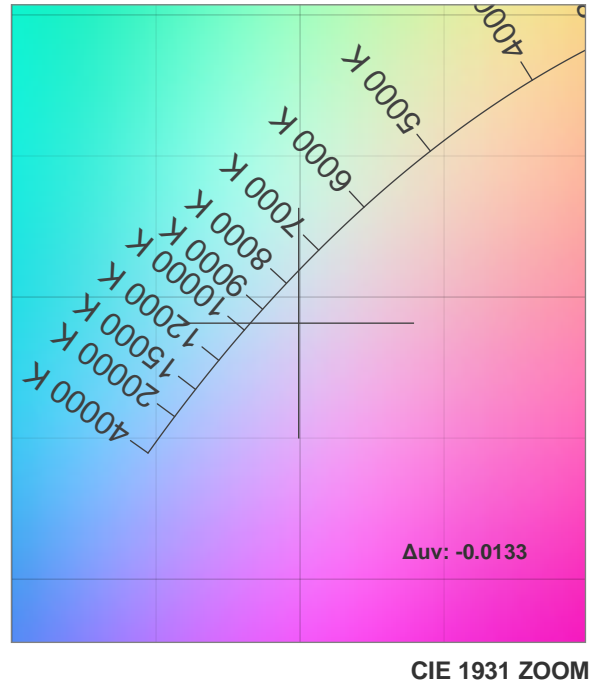
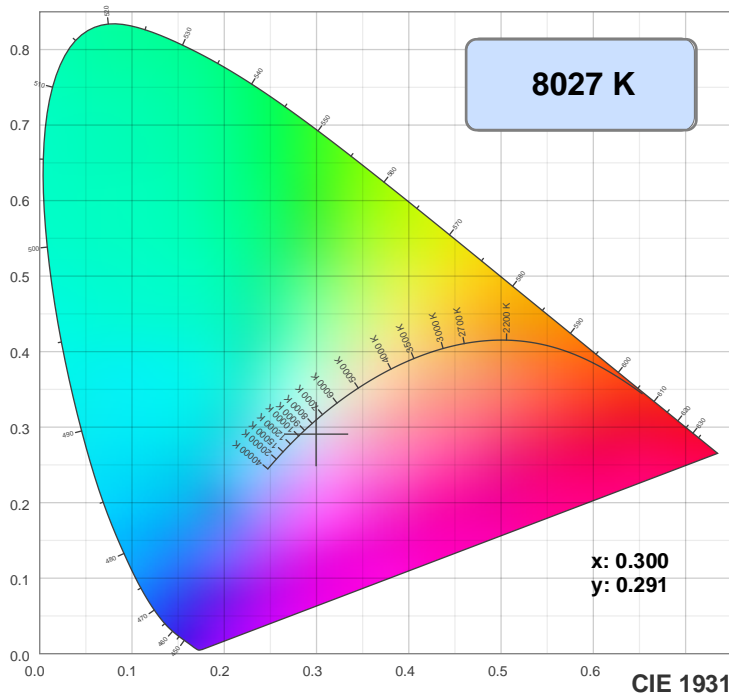
Dominant Wavelength: 360nm



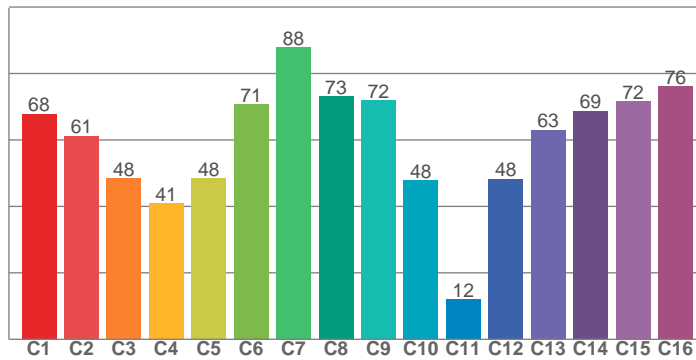
Power



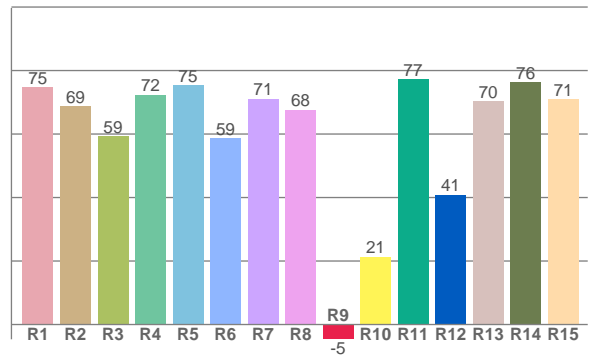
Color Details



TM30: 58.5



CRI: 68.5 (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
74.8	68.7	59.3	72.4	75.3	58.7	71.1	67.6	-4.7	21.3	77.3	40.9	70.2	76.3	71.0

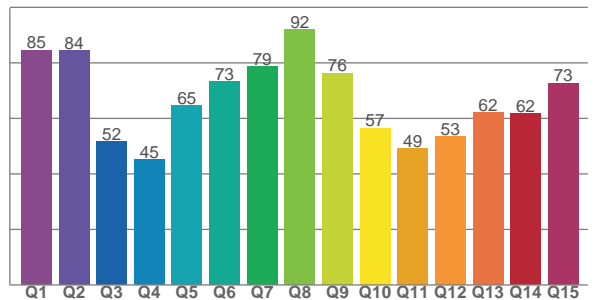
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.9	61.3	48.4	40.9	48.4	70.8	87.8	73.2	71.8	47.9	12.0	48.2	63.0	68.8	71.6	76.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84.6	84.4	51.7	45.1	64.6	73.3	78.6	91.9	76.3	56.5	49.2	53.3	62.1	61.7	72.7

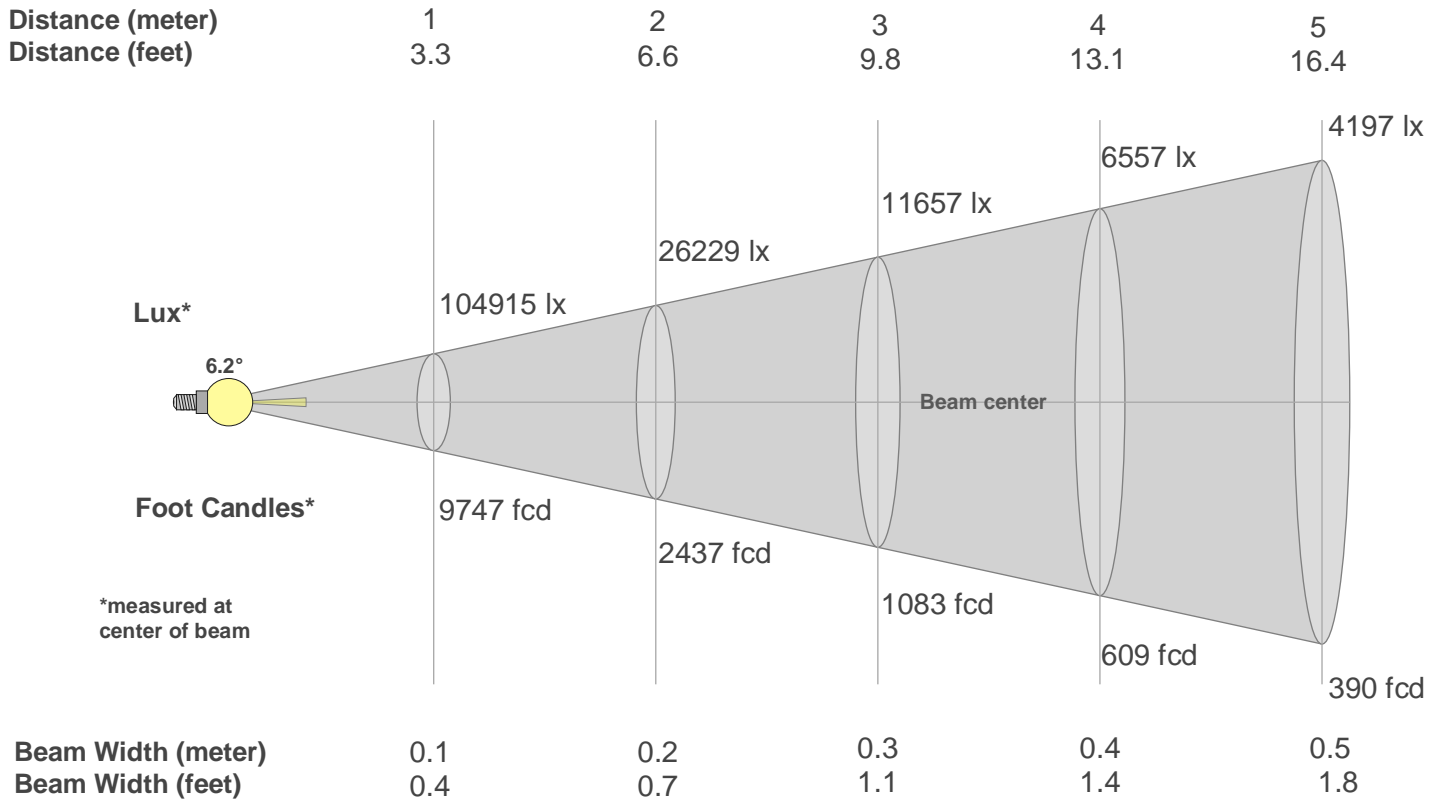
CQS: 64.2



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
8027 K	68.5	-4.7	58.5	97.8	64.2	0.300	0.291	0.203	0.296	-0.0133

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	104915	26229	11657	6557	4197	2914	2141	1639	1295	1049	867	729	621	535	466	410	363	324	291	262
fcd	9747	2436.7	1083	609.2	389.9	270.7	198.9	152.3	120.3	97.5	80.6	67.7	57.7	49.7	43.3	38.1	33.7	30.1	27	24.4

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°
105K	93K	75K	56K	29K	7K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	89%	72%	53%	28%	7%	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°
105K	93K	75K	56K	29K	7K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	89%	72%	53%	28%	7%	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°
105K	94K	76K	56K	24K	4K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	89%	72%	53%	23%	3%	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°
105K	94K	76K	56K	24K	4K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	89%	72%	53%	23%	3%	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
6.2°	9.3°	10.5°	99.7%	99.7%