

Allegro Z6



Light Efficiency:

15 Lumen/Watt

Light Quality:

CRI: 68.1

Color Temperature:

7580 K

Output: 1334 lm

Peak: 5298 cd

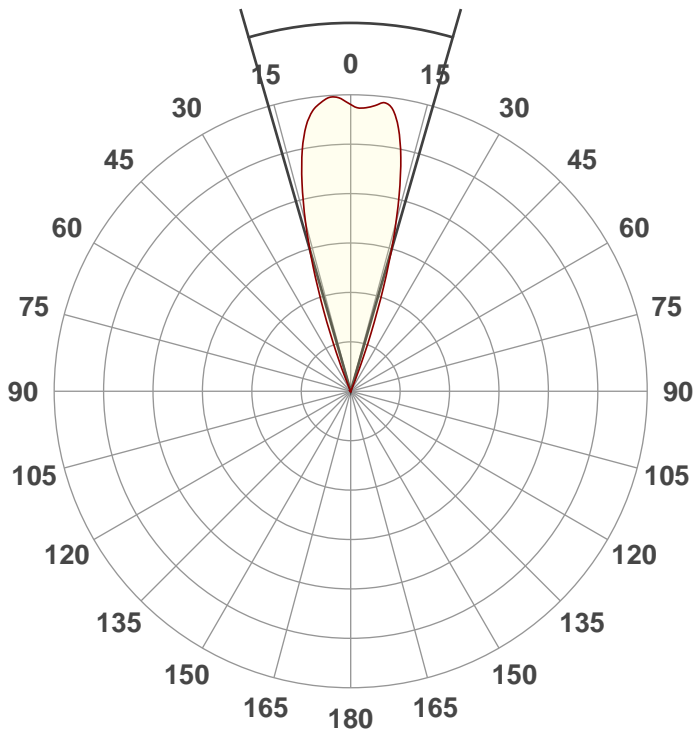
Power: 88.1 W

PF: 0.96



Beam Angle

32.2°



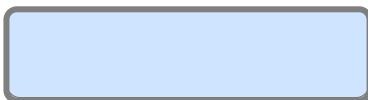
Test:

Zoom Out White

Date:

9/4/2019

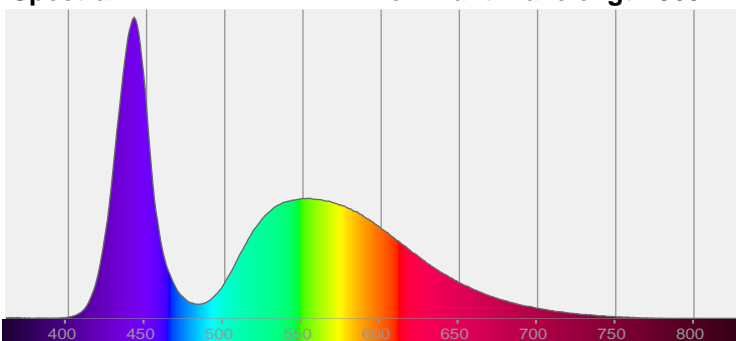
Note:



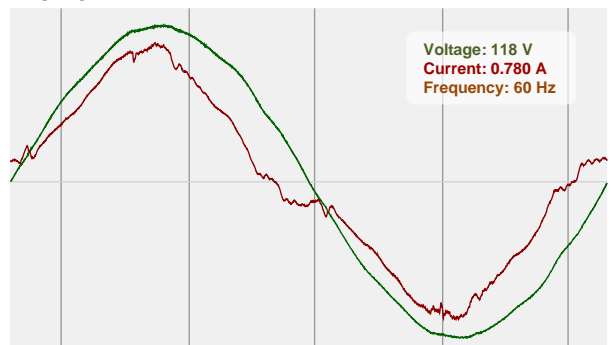
CIE 1931
x: 0.303
y: 0.297

Spectra

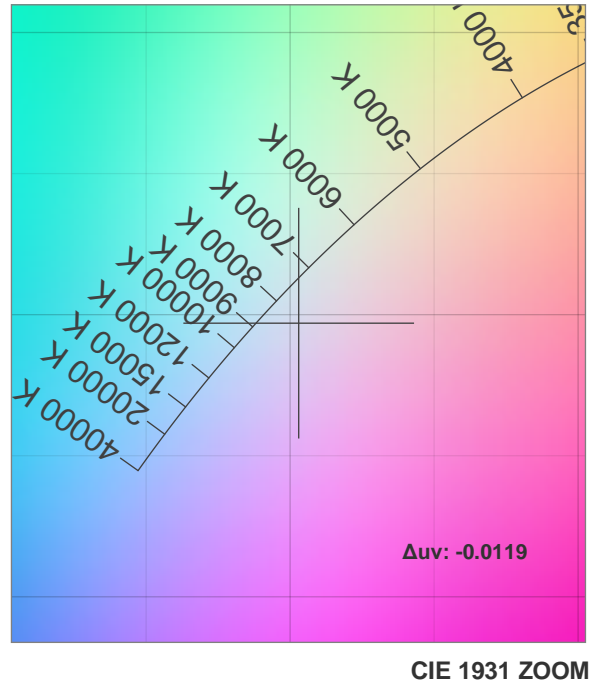
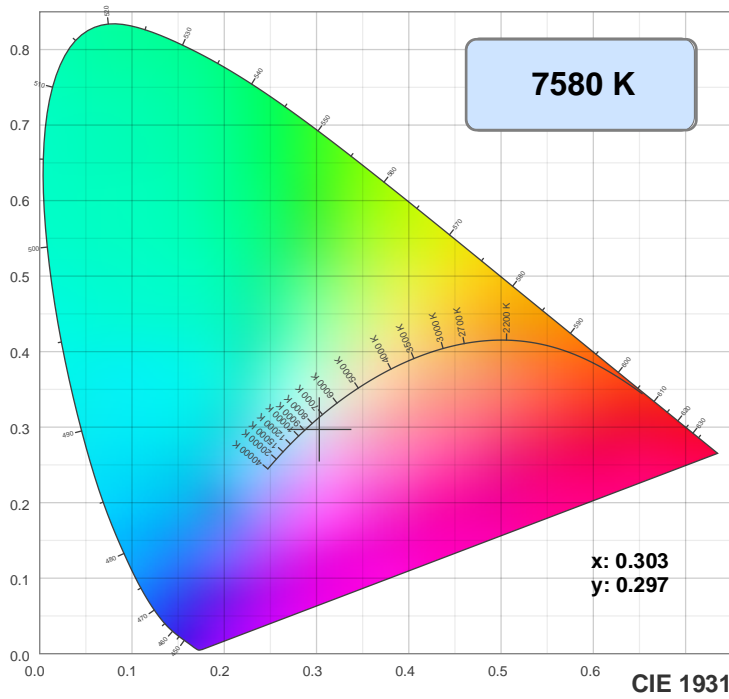
Dominant Wavelength: 360nm



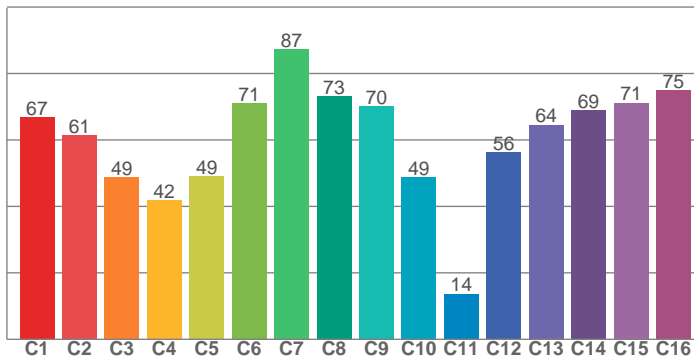
Power



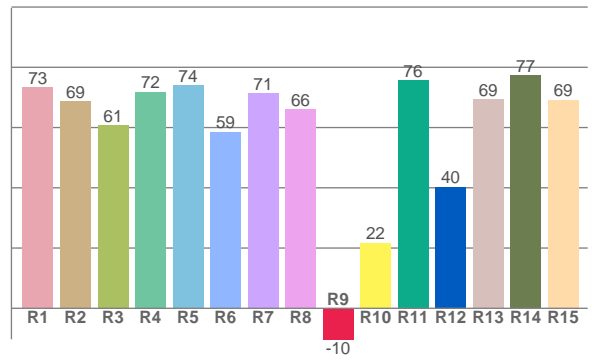
Color Details



TM30: 58.8



CRI: 68.1 (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
73.3	68.7	60.8	71.9	74.0	58.6	71.4	66.0	-10.3	21.7	75.8	40.4	69.3	77.2	69.2

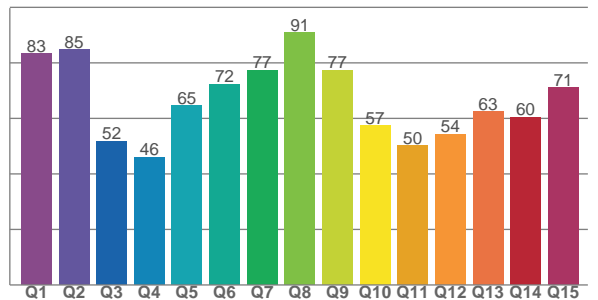
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66.8	61.3	48.7	41.8	49.0	71.0	87.2	73.2	70.1	48.8	13.6	56.2	64.5	68.9	71.2	74.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.4	84.7	51.8	46.1	64.6	72.3	77.3	90.9	77.4	57.3	50.2	54.3	62.5	60.4	71.2

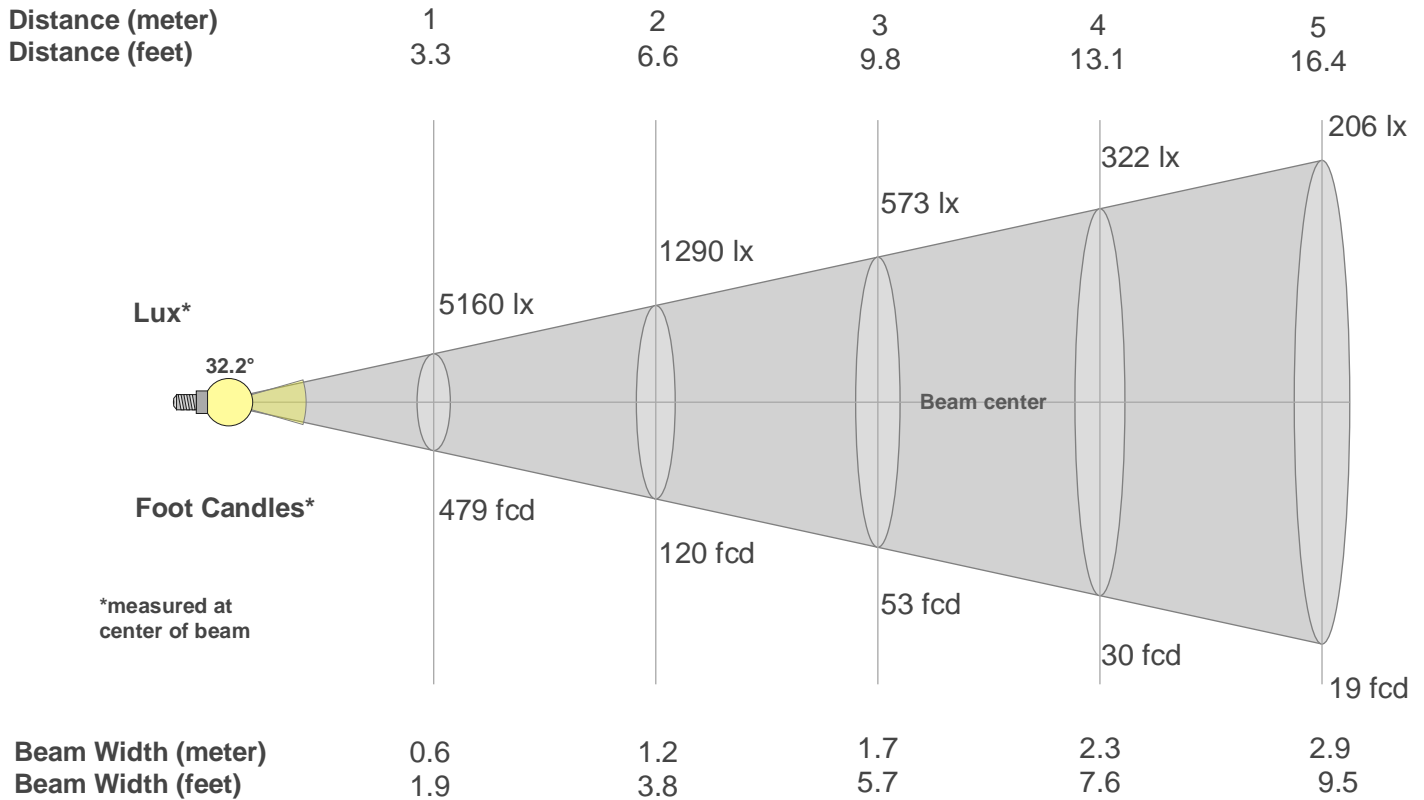
CQS: 64.3



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
7580 K	68.1	-10.3	58.8	98.2	64.3	0.303	0.297	0.203	0.299	-0.0119

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	5160	1290	573	322	206	143	105	81	64	52	43	36	31	26	23	20	18	16	14	13
fcd	479.4	119.8	53.3	30	19.2	13.3	9.8	7.5	5.9	4.8	4	3.3	2.8	2.4	2.1	1.9	1.7	1.5	1.3	1.2

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°
5160	5264	5297	5211	5051	4732	4215	3517	2687	1779	907	285	12	0	0	0	0	0	0	0
100%	102%	103%	101%	98%	92%	82%	68%	52%	34%	18%	6%	0%	0%	0%	0%	0%	0%	0%	0%

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°
5160	5264	5297	5211	5051	4732	4215	3517	2687	1779	907	285	12	0	0	0	0	0	0	0
100%	102%	103%	101%	98%	92%	82%	68%	52%	34%	18%	6%	0%	0%	0%	0%	0%	0%	0%	0%

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°
5160	5103	5131	5198	5151	4857	4327	3578	2691	1728	845	253	29	0	0	0	0	0	0	0
100%	99%	99%	101%	100%	94%	84%	69%	52%	33%	16%	5%	1%	0%	0%	0%	0%	0%	0%	0%

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°
5160	5103	5131	5198	5151	4857	4327	3578	2691	1728	845	253	29	0	0	0	0	0	0	0
100%	99%	99%	101%	100%	94%	84%	69%	52%	33%	16%	5%	1%	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
32.2°	42°	45.6°	99.9%	99.9%