

# Element Hex IP



Light Efficiency:

426 Lumen/Watt

Light Quality:

CRI: 67.5

Color Temperature:

5987 K

Output: 537 lm

Peak: 4115 cd

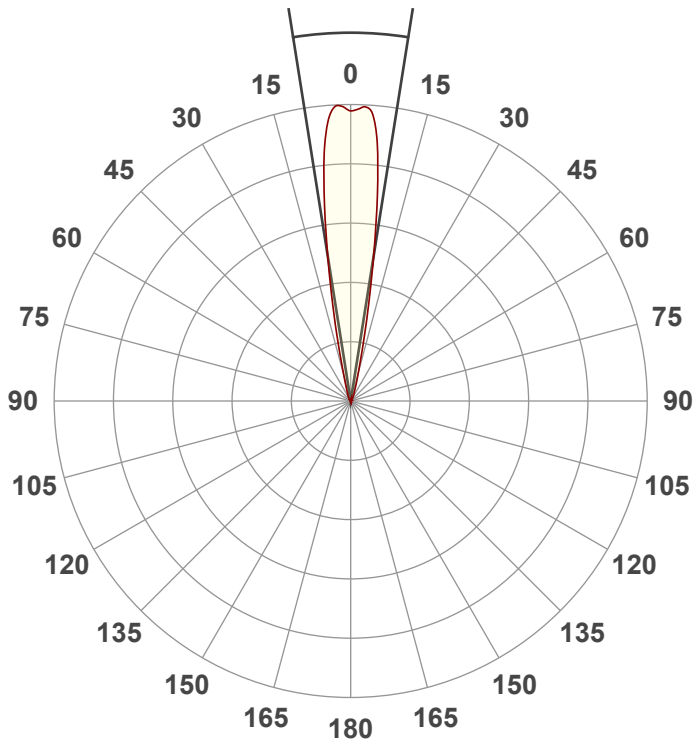
Power: 1.3 W

PF: 0.33



Beam Angle

18°



Test:

White

Date:

6/7/2022

Note:

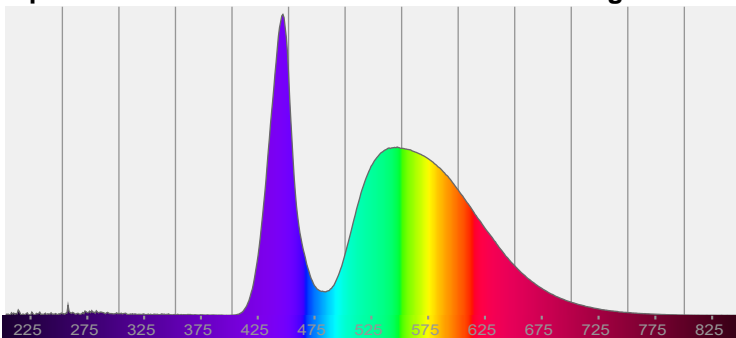
CIE 1931

x: 0.322

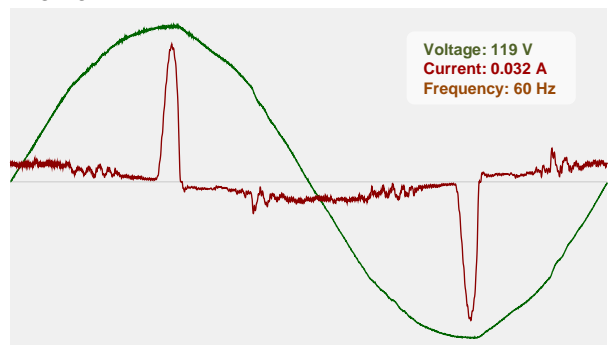
y: 0.345

Spectra

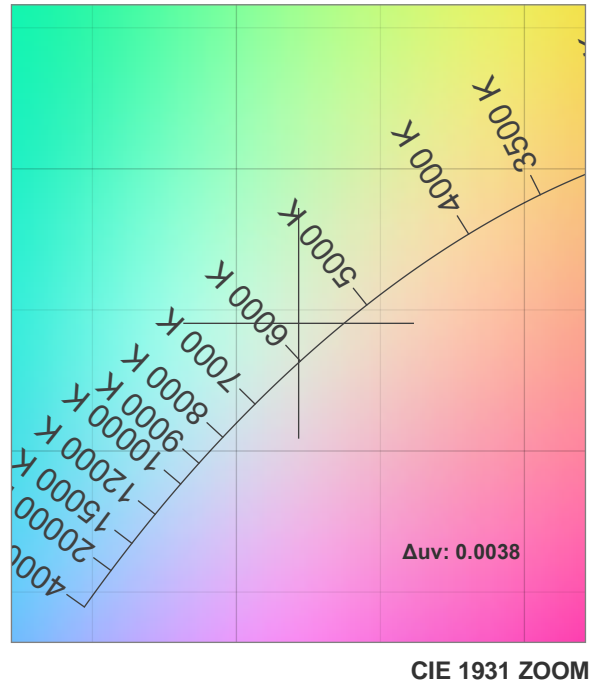
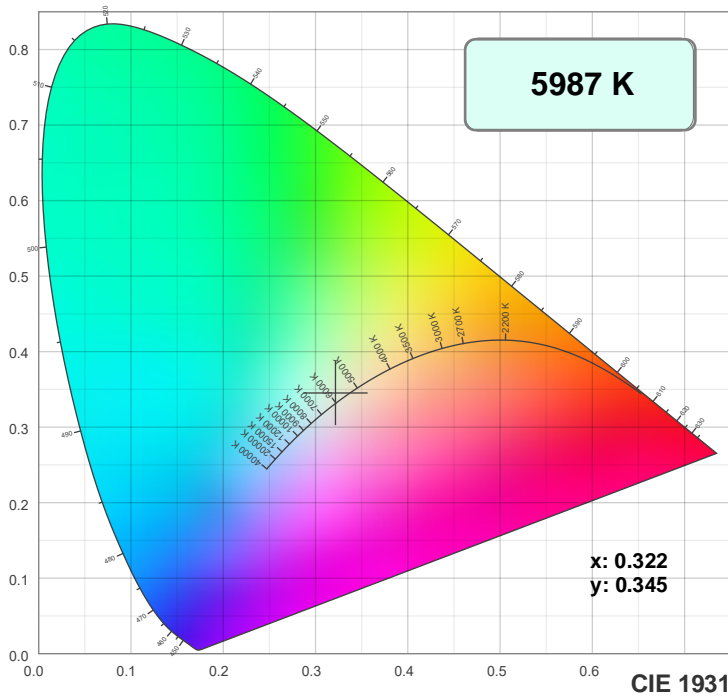
Dominant Wavelength: 569nm



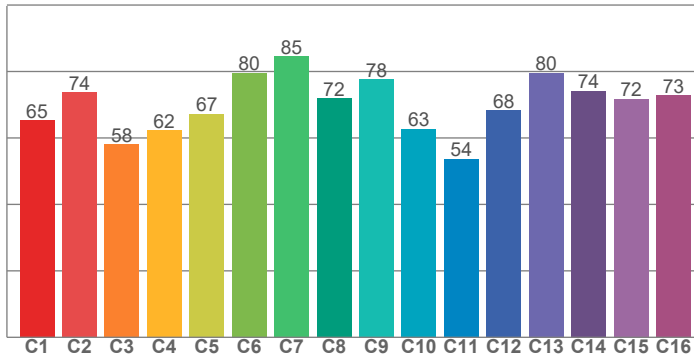
Power



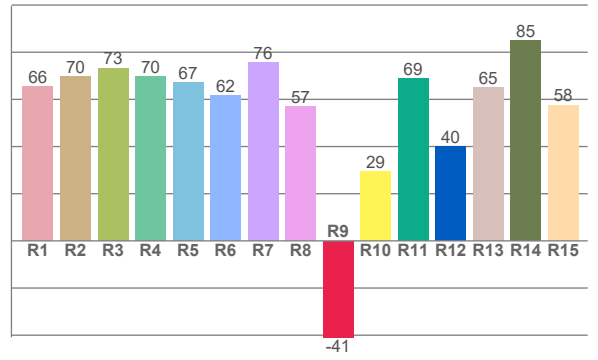
## Color Details



TM30: 69.4



CRI: 67.5 (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
65.7	69.9	73.4	69.7	67.4	61.5	75.7	56.8	-40.9	29.4	69.0	39.9	65.1	85.0	57.7

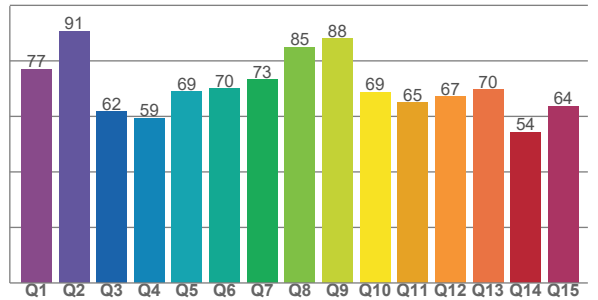
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.3	73.7	58.1	62.3	67.2	79.6	84.6	71.9	77.7	62.7	53.6	68.2	79.5	74.1	71.8	72.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	90.7	61.7	59.4	68.9	70.0	73.2	84.9	88.0	68.7	64.9	67.1	69.7	54.3	63.7

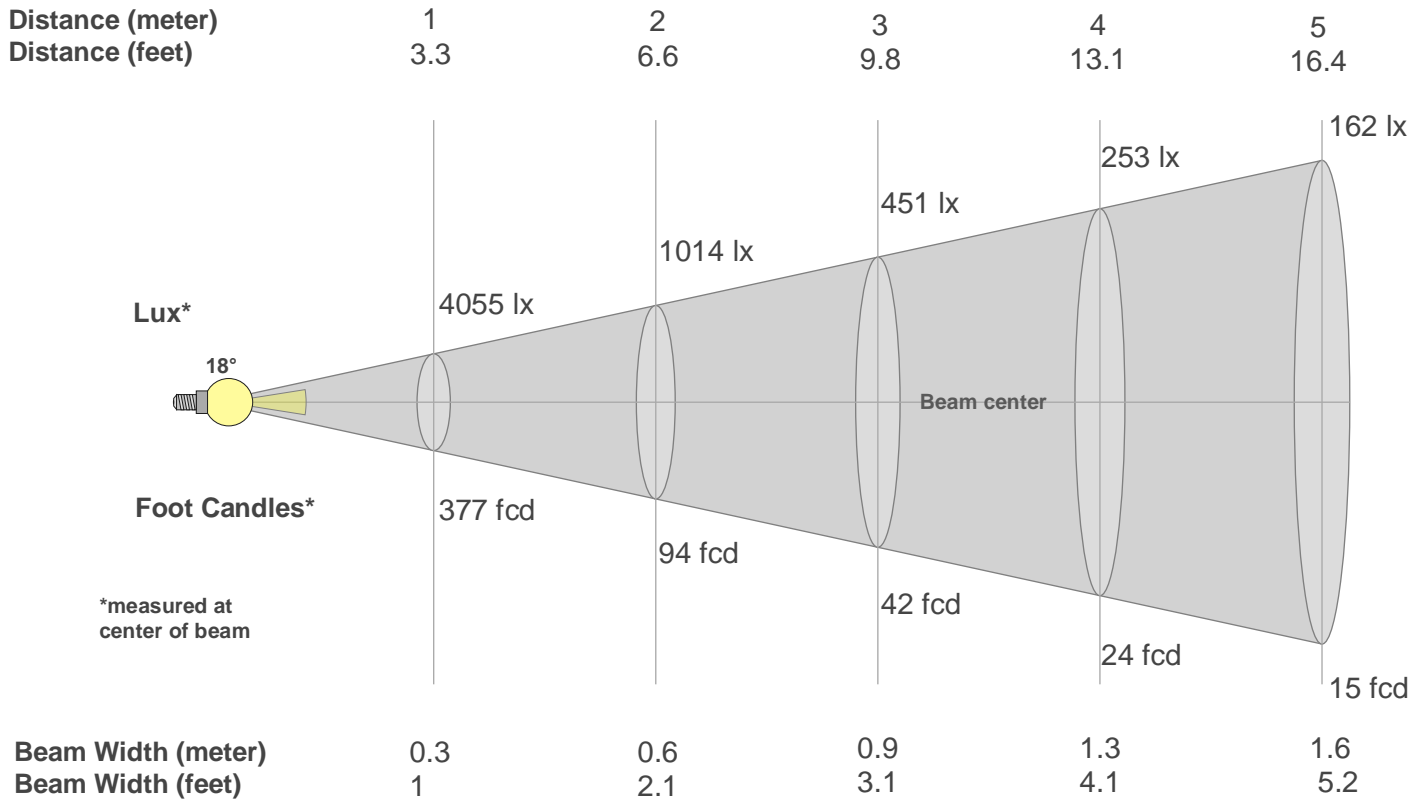
CQS: 69.1



## 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	$\Delta uv$
5987 K	67.5	-40.9	69.4	94.8	69.1	0.322	0.345	0.198	0.319	0.0038

## 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	4055	1014	451	253	162	113	83	63	50	41	34	28	24	21	18	16	14	13	11	10
fcd	376.7	94.2	41.9	23.5	15.1	10.5	7.7	5.9	4.7	3.8	3.1	2.6	2.2	1.9	1.7	1.5	1.3	1.2	1	0.9

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°
4055	4089	4115	4115	4003	3809	3508	3053	2564	2054	1615	1223	895	663	483	368	300	247	207	179
100%	101%	101%	101%	99%	94%	87%	75%	63%	51%	40%	30%	22%	16%	12%	9%	7%	6%	5%	4%

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°
4055	4089	4115	4115	4003	3809	3508	3053	2564	2054	1615	1223	895	663	483	368	300	247	207	179
100%	101%	101%	101%	99%	94%	87%	75%	63%	51%	40%	30%	22%	16%	12%	9%	7%	6%	5%	4%

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°
4055	4070	4091	4105	4042	3853	3563	3088	2577	2055	1601	1224	907	691	534	418	347	289	242	207
100%	100%	101%	101%	100%	95%	88%	76%	64%	51%	39%	30%	22%	17%	13%	10%	9%	7%	6%	5%

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°
4055	4070	4091	4105	4042	3853	3563	3088	2577	2055	1601	1224	907	691	534	418	347	289	242	207
100%	100%	101%	101%	100%	95%	88%	76%	64%	51%	39%	30%	22%	17%	13%	10%	9%	7%	6%	5%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
18°	29.7°	49°	99.4%	95.4%