

12P Hex IP



Light Efficiency:

55 Lumen/Watt

Light Quality:

CRI: 72.2

Color Temperature:

6936 K

Output: 1086 lm

Peak: 5416 cd

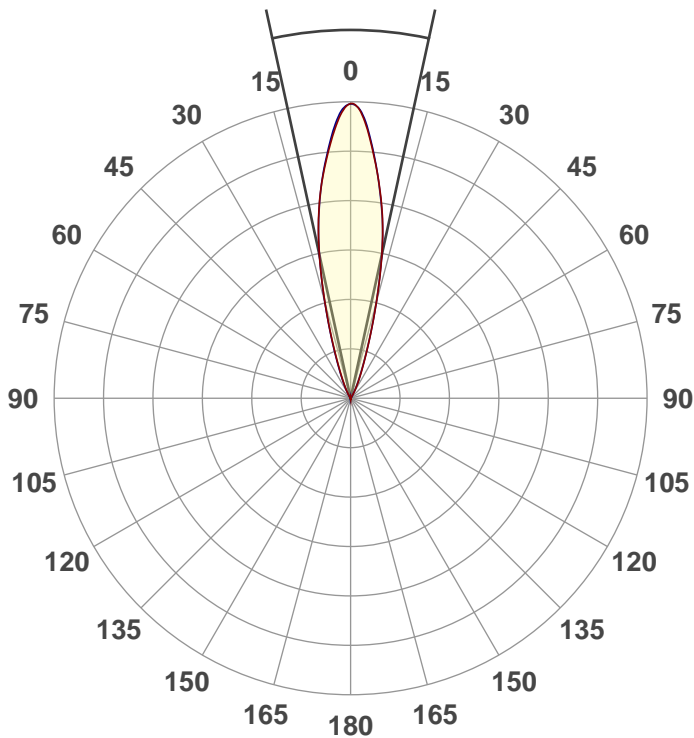
Power: 19.8 W

PF: 0.93



Beam Angle

24.5°



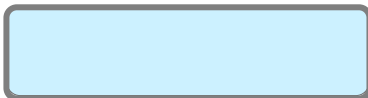
Test:

White

Date:

5/31/2018

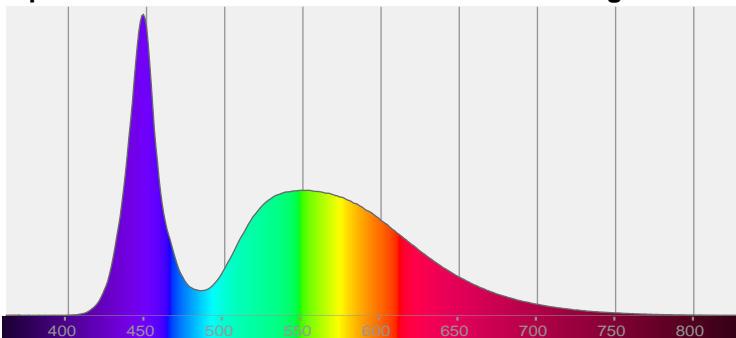
Note:



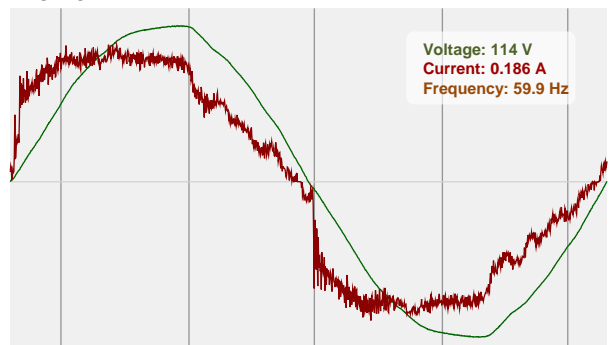
CIE 1931
x: 0.307
y: 0.317

Spectra

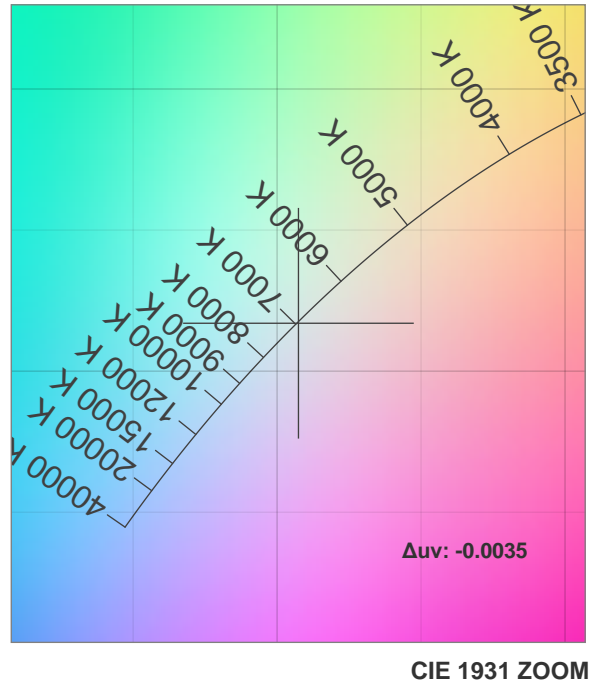
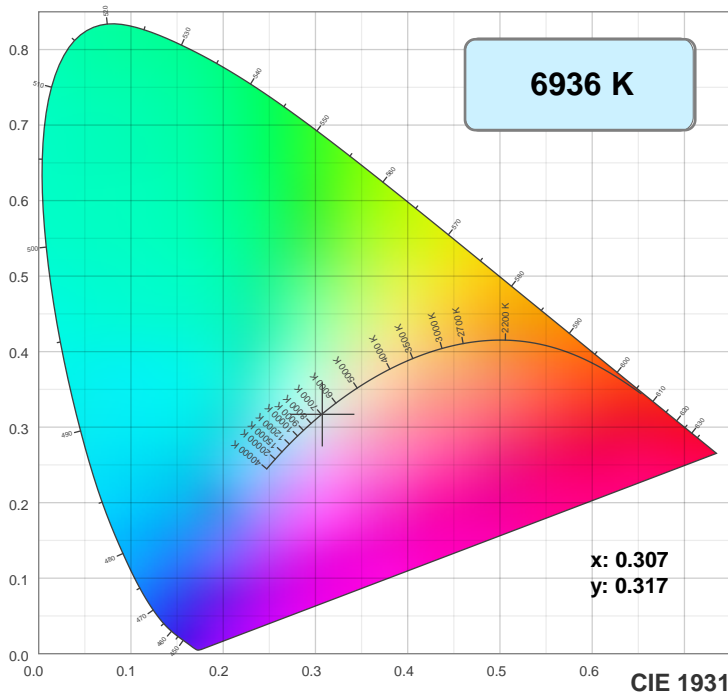
Dominant Wavelength: 424nm



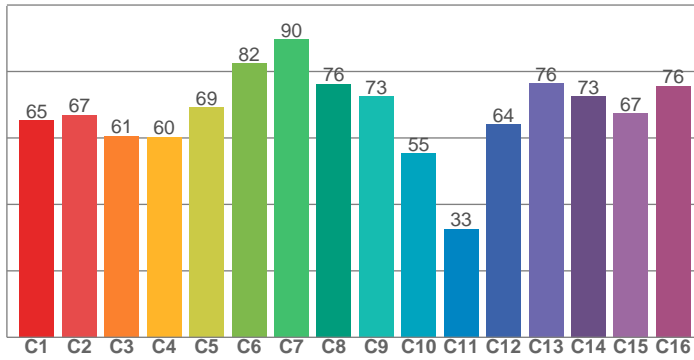
Power



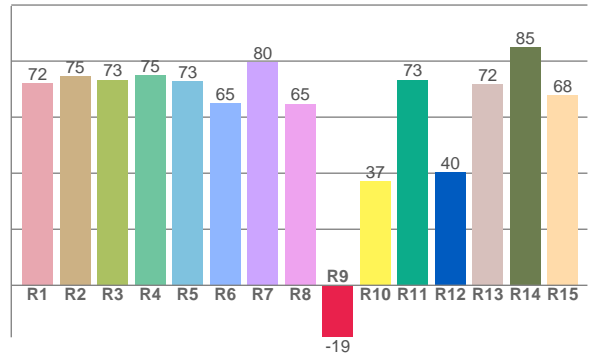
Color Details



TM30: 67.7



CRI: 72.2 (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
72.1	74.5	73.3	74.8	72.9	65.0	79.7	64.8	-18.6	37.1	73.3	40.3	71.7	84.9	67.9

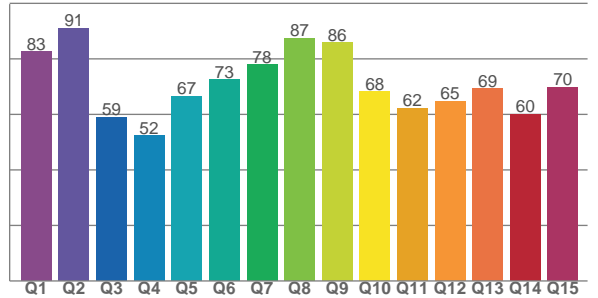
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.3	66.9	60.6	60.3	69.2	82.4	89.7	76.2	72.5	55.3	32.6	64.1	76.5	72.6	67.4	75.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.5	91.0	59.0	52.3	66.5	72.6	77.8	87.5	85.9	68.2	62.2	64.8	69.2	60.0	69.8

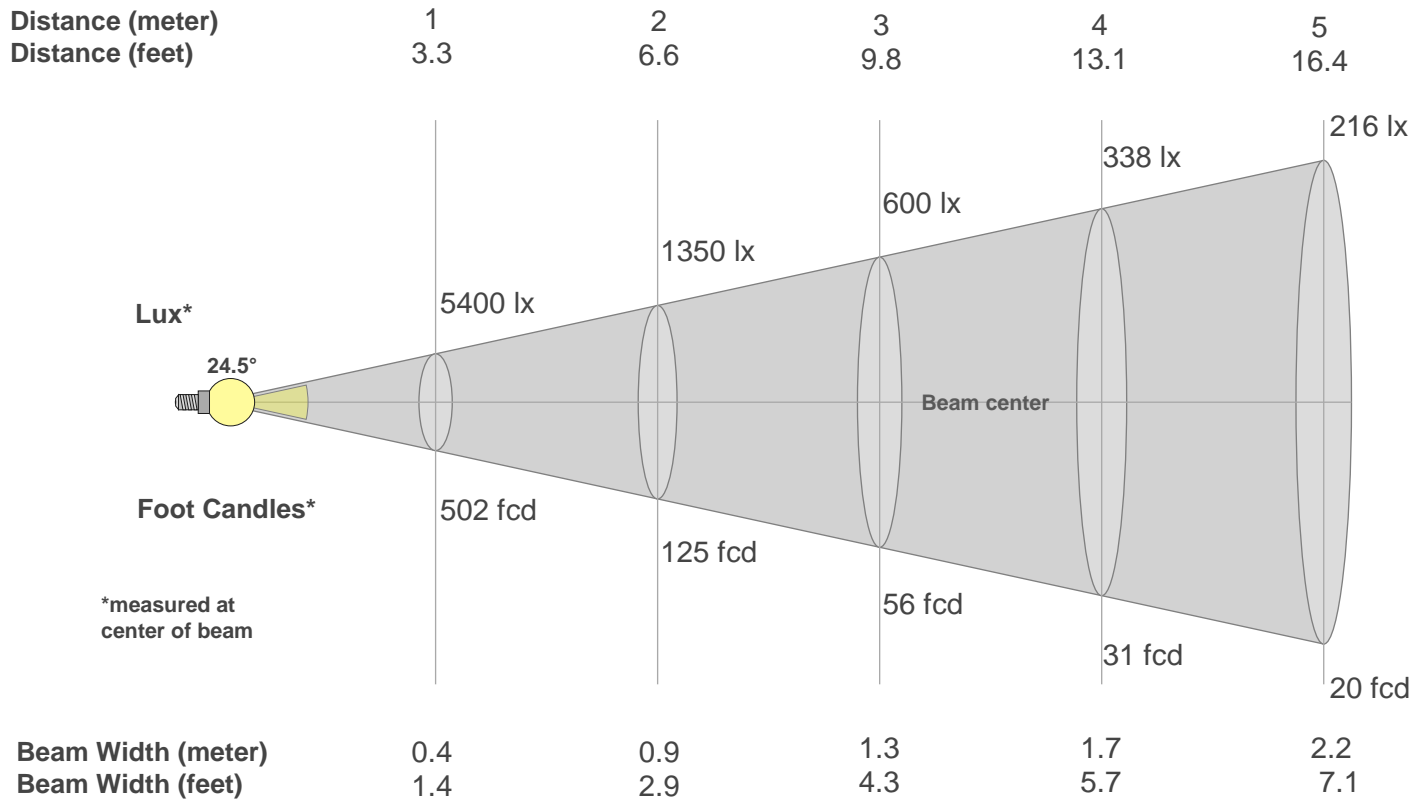
CQS: 69.2



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
6936 K	72.2	-18.6	67.7	95.1	69.2	0.307	0.317	0.199	0.307	-0.0035

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	5400	1350	600	338	216	150	110	84	67	54	45	38	32	28	24	21	19	17	15	14
fcd	501.7	125.4	55.7	31.4	20.1	13.9	10.2	7.8	6.2	5	4.1	3.5	3	2.6	2.2	2	1.7	1.5	1.4	1.3

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°
5400	5217	4810	4362	3905	3384	2792	2141	1538	1049	698	468	320	214	138	89	59	41	30	23
100%	97%	89%	81%	72%	63%	52%	40%	28%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%	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°
5400	5262	4865	4391	3902	3367	2778	2141	1551	1084	743	508	354	238	154	97	62	44	31	24
100%	97%	90%	81%	72%	62%	51%	40%	29%	20%	14%	9%	7%	4%	3%	2%	1%	1%	1%	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°
5400	5262	4842	4352	3870	3367	2789	2152	1559	1089	765	543	393	278	185	119	73	47	33	24
100%	97%	90%	81%	72%	62%	52%	40%	29%	20%	14%	10%	7%	5%	3%	2%	1%	1%	1%	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°
5400	5283	4873	4368	3852	3350	2780	2129	1542	1065	724	492	339	225	145	95	63	44	33	25
100%	98%	90%	81%	71%	62%	51%	39%	29%	20%	13%	9%	6%	4%	3%	2%	1%	1%	1%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.5°	43.3°	57.2°	99.8%	99.2%