

# 12P Hex IP



Light Efficiency:

30 Lumen/Watt

Light Quality:

CRI: -27.8

Color Temperature:

1608 K

Output: 429 lm

Peak: 1857 cd

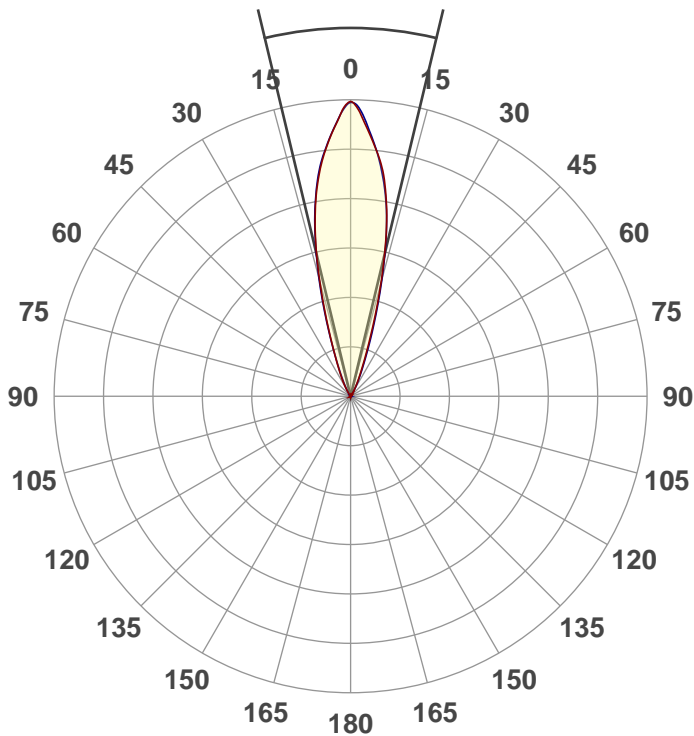
Power: 14.3 W

PF: 0.87



Beam Angle

26.9°



Test:

Amber

Date:

5/31/2018

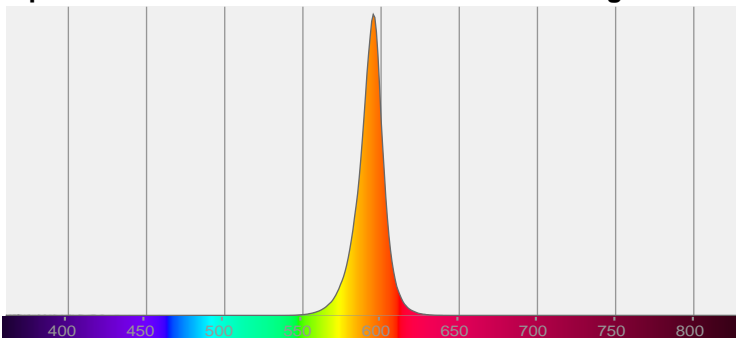
Note:



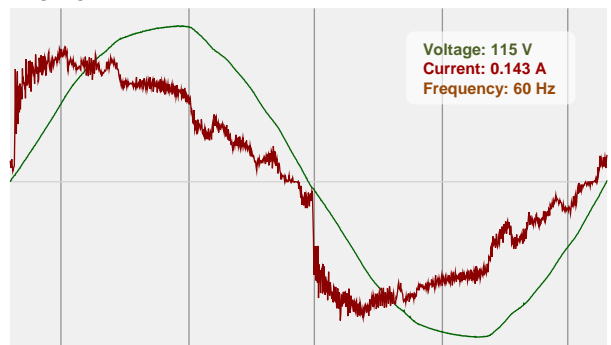
CIE 1931  
x: 0.585  
y: 0.414

Spectra

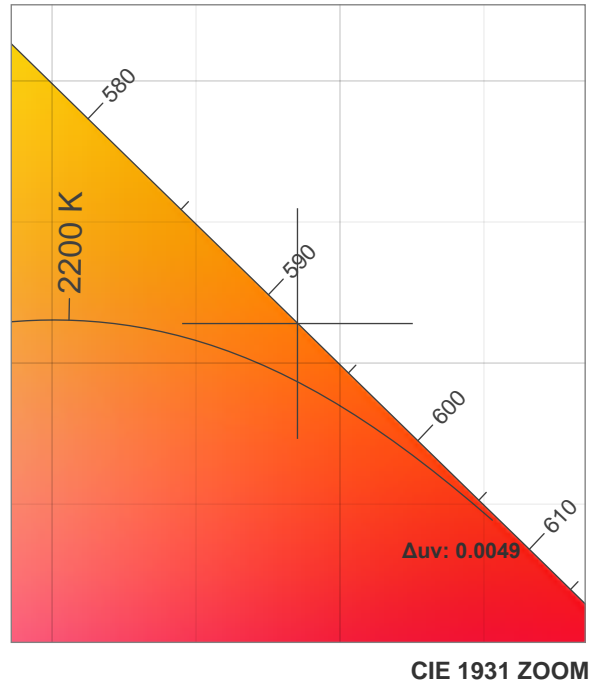
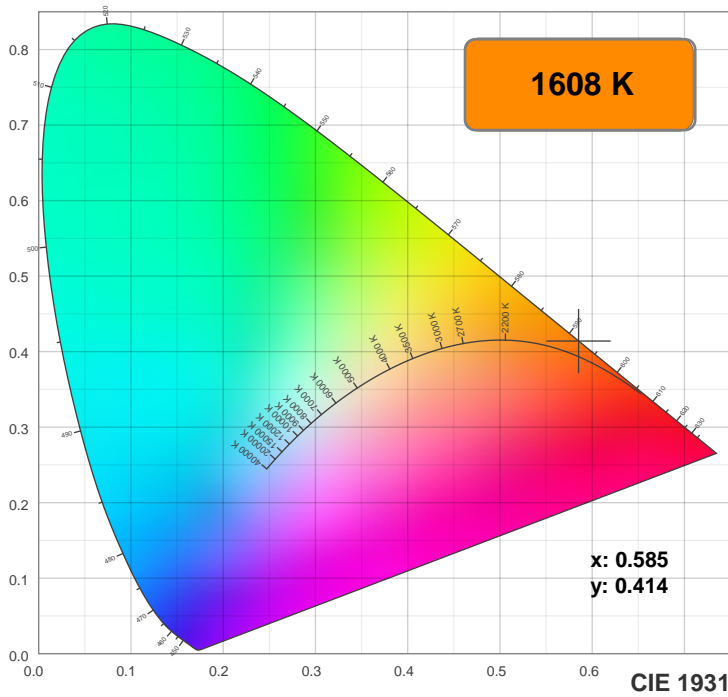
Dominant Wavelength: 592nm



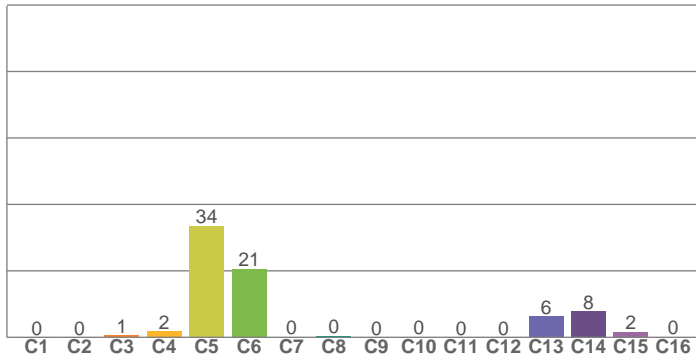
Power



## Color Details



TM30: 0.2



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
-43.0	48.8	14.1	-76.5	-49.8	35.5	-10.0	-141.6	-412.8	24.1	-106.6	-20.0	-22.8	43.3	-75.5

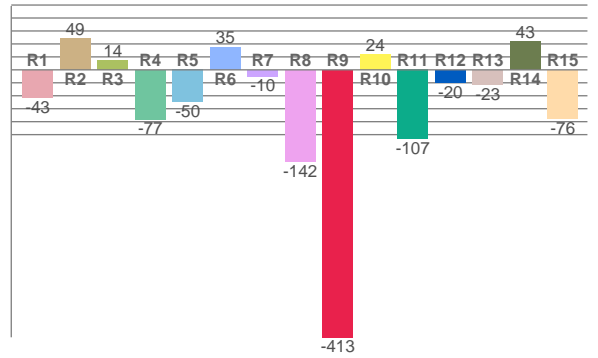
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.6	1.8	33.5	20.6	0.0	0.4	0.0	0.1	0.0	0.0	6.2	7.8	1.6	0.2

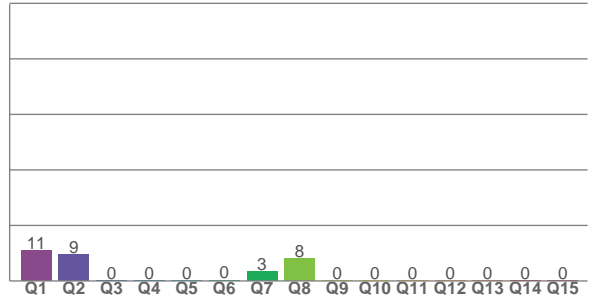
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.0	9.5	0.0	0.0	0.1	0.3	3.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -27.8 (R1-R8)



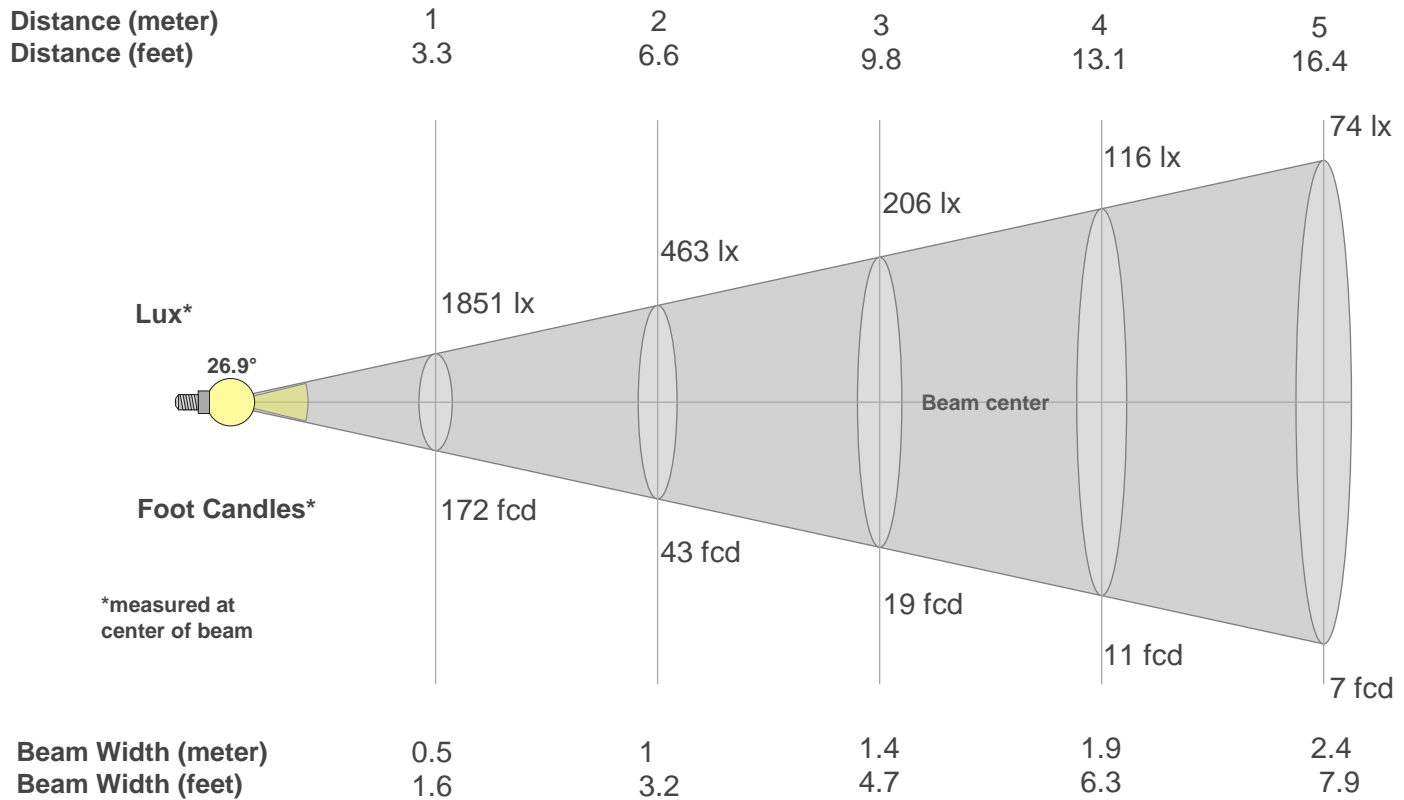
CQS: 0.0



## 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	$\Delta uv$
1608 K	-27.8	-412.8	0.2	1.0	0.0	0.585	0.414	0.344	0.365	0.0049

## 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	1851	463	206	116	74	51	38	29	23	19	15	13	11	9	8	7	6	6	5	5
fcd	172	43	19.1	10.7	6.9	4.8	3.5	2.7	2.1	1.7	1.4	1.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4

### 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°
1851	1780	1666	1548	1416	1259	1072	863	646	457	322	230	169	127	91	61	37	22	15	11
100%	96%	90%	84%	77%	68%	58%	47%	35%	25%	17%	12%	9%	7%	5%	3%	2%	1%	1%	1%

### 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°
1851	1779	1668	1555	1429	1268	1082	876	668	477	324	220	149	102	68	46	30	20	13	10
100%	96%	90%	84%	77%	69%	58%	47%	36%	26%	18%	12%	8%	6%	4%	2%	2%	1%	1%	1%

### 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°
1851	1780	1666	1557	1441	1282	1087	856	630	432	288	195	135	96	64	42	26	17	13	9
100%	96%	90%	84%	78%	69%	59%	46%	34%	23%	16%	11%	7%	5%	3%	2%	1%	1%	1%	1%

### 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°
1851	1799	1680	1558	1422	1269	1087	873	659	472	330	225	157	107	71	45	29	20	14	10
100%	97%	91%	84%	77%	69%	59%	47%	36%	26%	18%	12%	8%	6%	4%	2%	2%	1%	1%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.9°	45.9°	60.2°	99.6%	98.9%