

# 18P Hex IP



Light Efficiency:

30 Lumen/Watt

Light Quality:

CRI: -27.3

Color Temperature:

1596 K

Output: 634 lm

Peak: 2845 cd

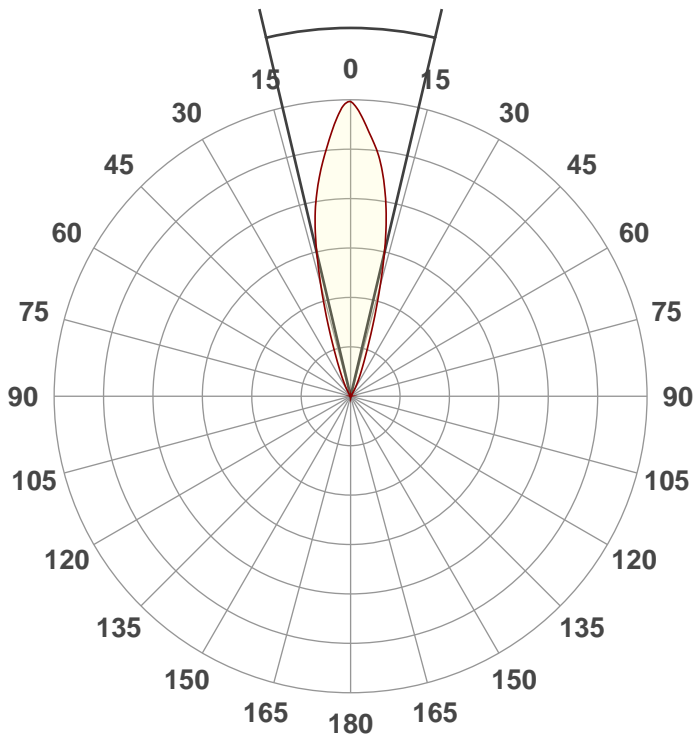
Power: 20.9 W

PF: 0.91



Beam Angle

26.5°



Test:

Amber

Date:

6/5/2018

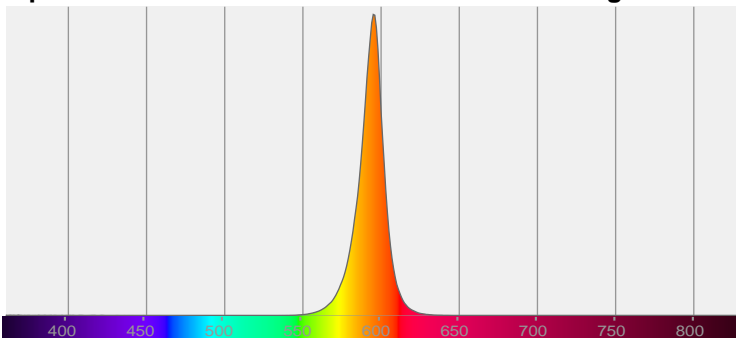
Note:



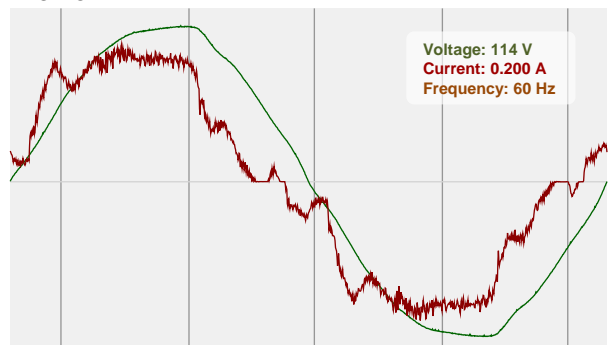
CIE 1931  
x: 0.586  
y: 0.413

Spectra

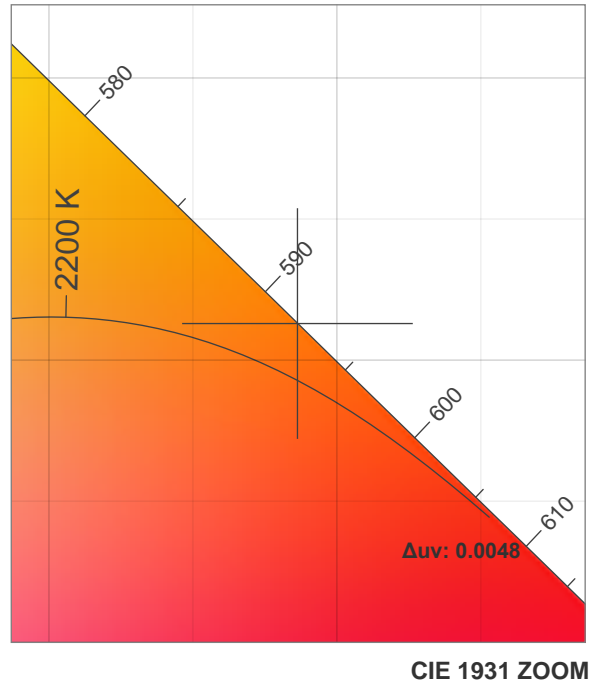
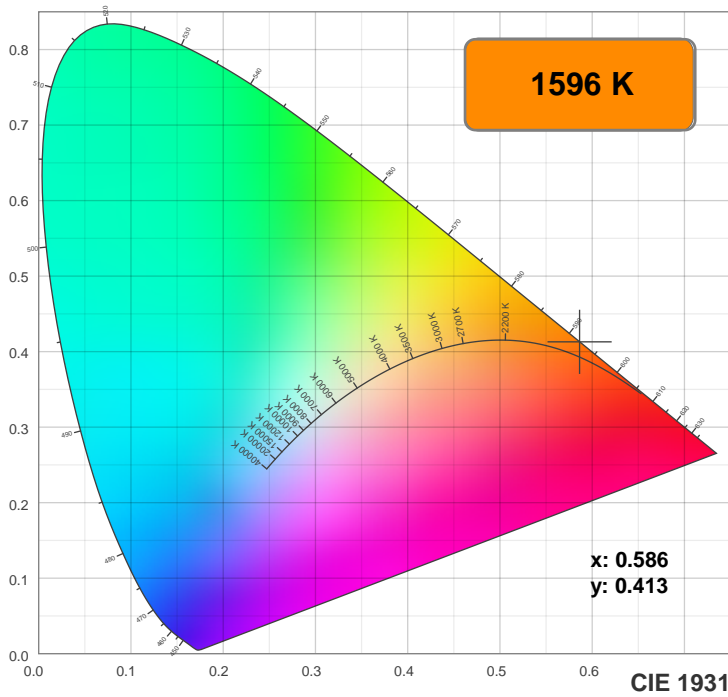
Dominant Wavelength: 592nm



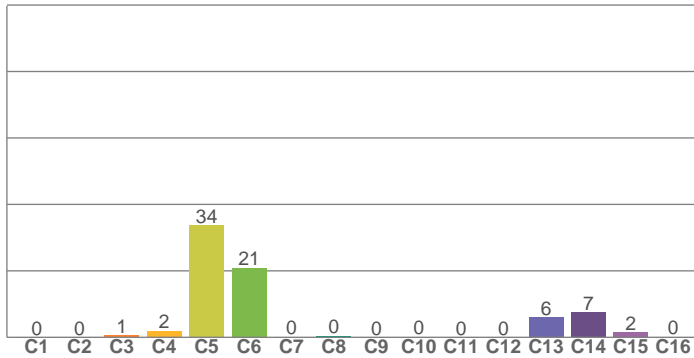
Power



## 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
-42.2	49.2	14.1	-75.9	-49.1	36.3	-10.0	-141.0	-409.9	24.8	-105.6	-18.7	-22.0	43.4	-74.8

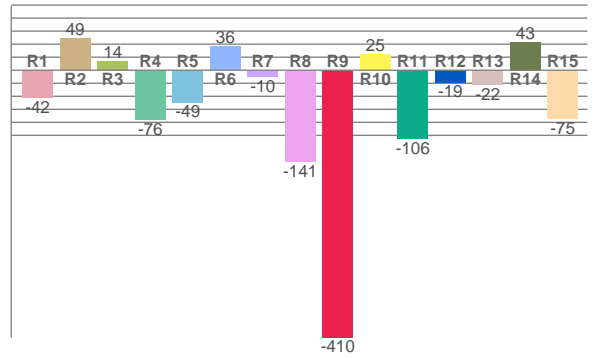
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.6	1.9	33.6	20.8	0.1	0.4	0.0	0.1	0.0	0.0	6.0	7.5	1.5	0.2

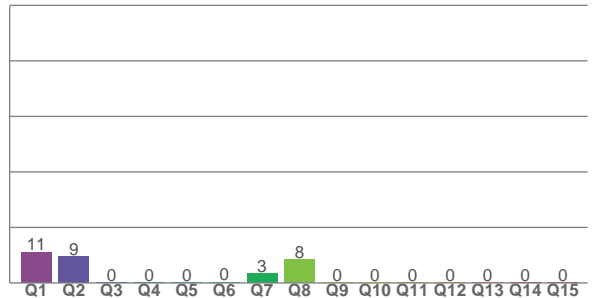
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.1	9.4	0.0	0.0	0.1	0.3	3.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -27.3 (R1-R8)



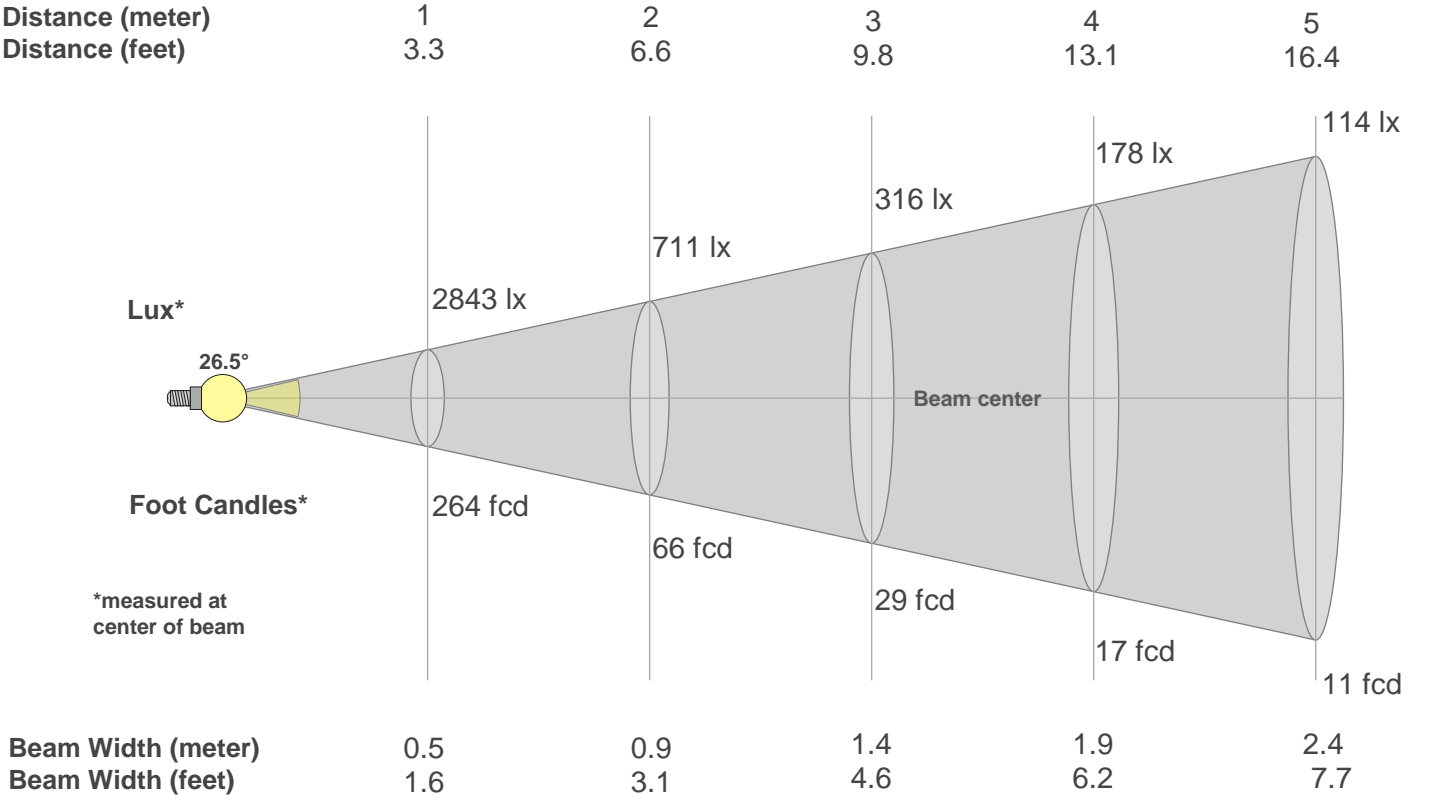
CQS: 0.0



## 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	Δuv
1596 K	-27.3	-409.9	0.2	0.9	0.0	0.586	0.413	0.346	0.365	0.0048

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	2843	711	316	178	114	79	58	44	35	28	23	20	17	15	13	11	10	9	8	7
fcd	264.1	66	29.3	16.5	10.6	7.3	5.4	4.1	3.3	2.6	2.2	1.8	1.6	1.3	1.2	1	0.9	0.8	0.7	0.7

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°
2843	2759	2568	2358	2150	1920	1641	1292	944	652	434	296	209	146	97	63	41	28	20	16
100%	97%	90%	83%	76%	68%	58%	45%	33%	23%	15%	10%	7%	5%	3%	2%	1%	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°
2843	2759	2568	2358	2150	1920	1641	1292	944	652	434	296	209	146	97	63	41	28	20	16
100%	97%	90%	83%	76%	68%	58%	45%	33%	23%	15%	10%	7%	5%	3%	2%	1%	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°	
2843	2724	2555	2393	2195	1940	1642	1287	929	644	438	313	227	163	113	74	46	30	22	17	
100%	96%	90%	84%	77%	68%	58%	45%	33%	23%	15%	11%	8%	6%	4%	3%	2%	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°	
2843	2724	2555	2393	2195	1940	1642	1287	929	644	438	313	227	163	113	74	46	30	22	17	
100%	96%	90%	84%	77%	68%	58%	45%	33%	23%	15%	11%	8%	6%	4%	3%	2%	1%	1%	1%	

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.5°	44.8°	59.6°	99.7%	99.0%