



Light Efficiency:

42 Lumen/Watt

Light Quality:

CRI: -21.9

Color Temperature:

1443 K

Output: 552 lm

Peak: 2337 cd

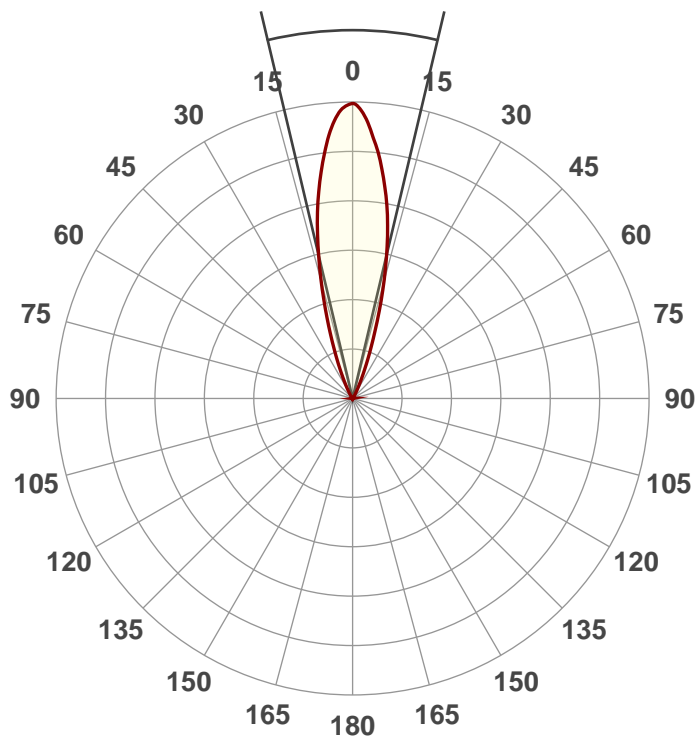
Power: 13.3 W

PF: 0.53



Beam Angle

26.7°



Product Name:

UB 12H

Test:

Amber

Date:

4/19/2018

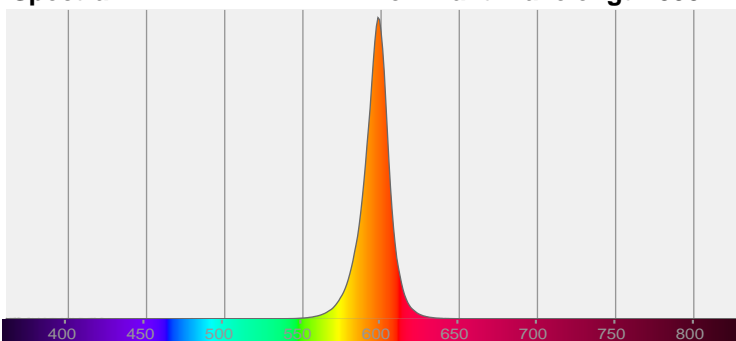
Note:



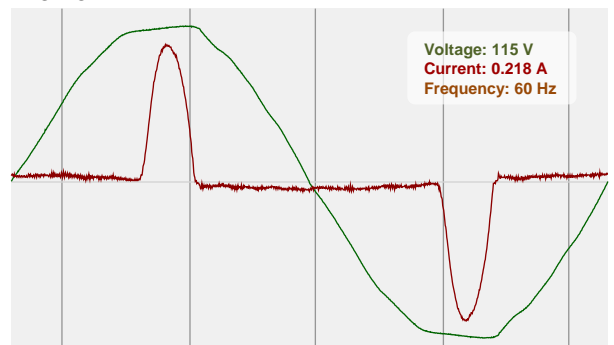
CIE 1931  
x: 0.601  
y: 0.398

Spectra

Dominant Wavelength: 595nm

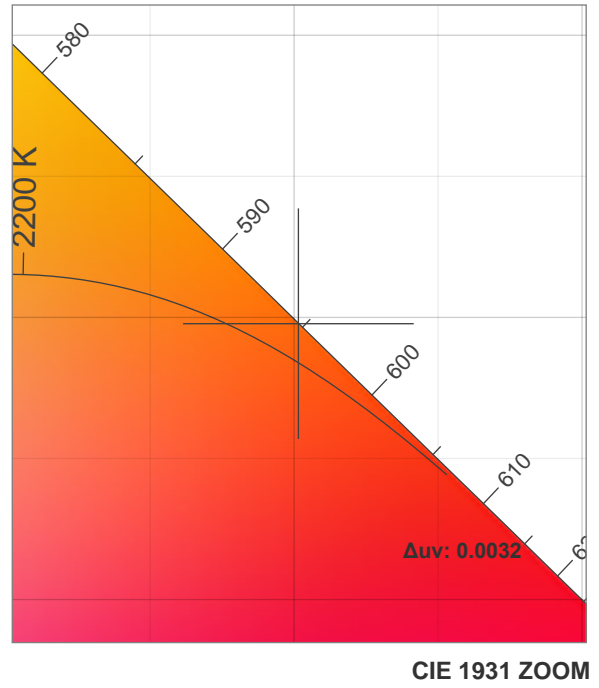
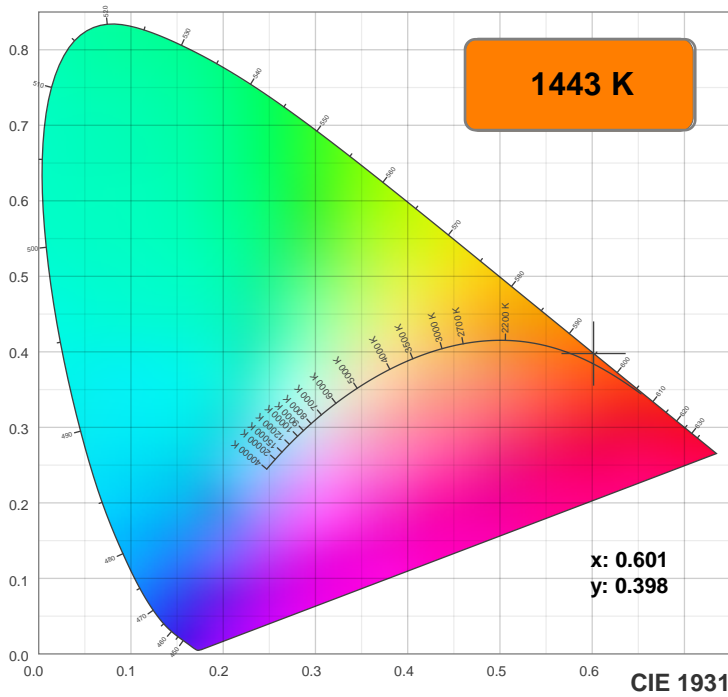


Power

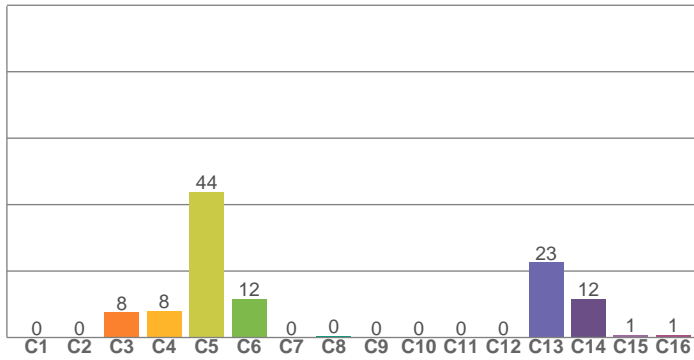


Voltage: 115 V  
Current: 0.218 A  
Frequency: 60 Hz

## Color Details



TM30: 0.5



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
-33.2	55.6	12.2	-69.7	-41.9	49.5	-11.3	-136.6	-381.0	36.4	-93.5	4.5	-12.4	43.4	-68.3

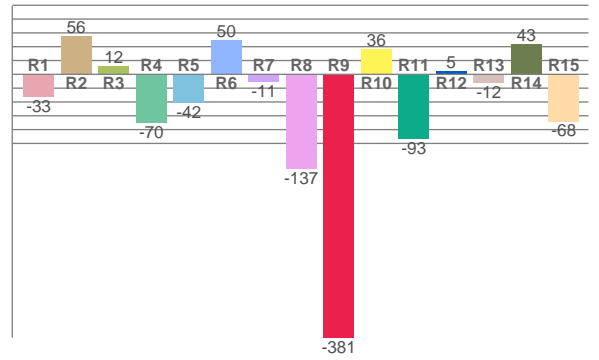
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	7.5	7.9	43.8	11.7	0.1	0.5	0.1	0.0	0.1	0.0	22.6	11.6	0.7	0.8

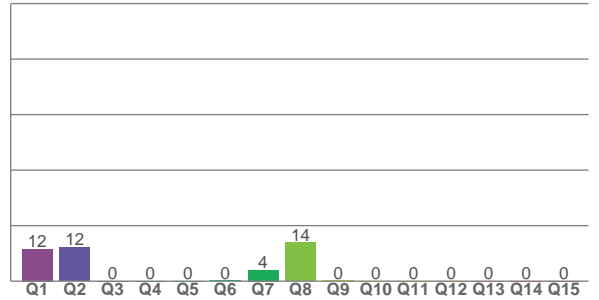
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.6	12.2	0.0	0.0	0.1	0.3	4.0	13.9	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -21.9 (R1-R8)



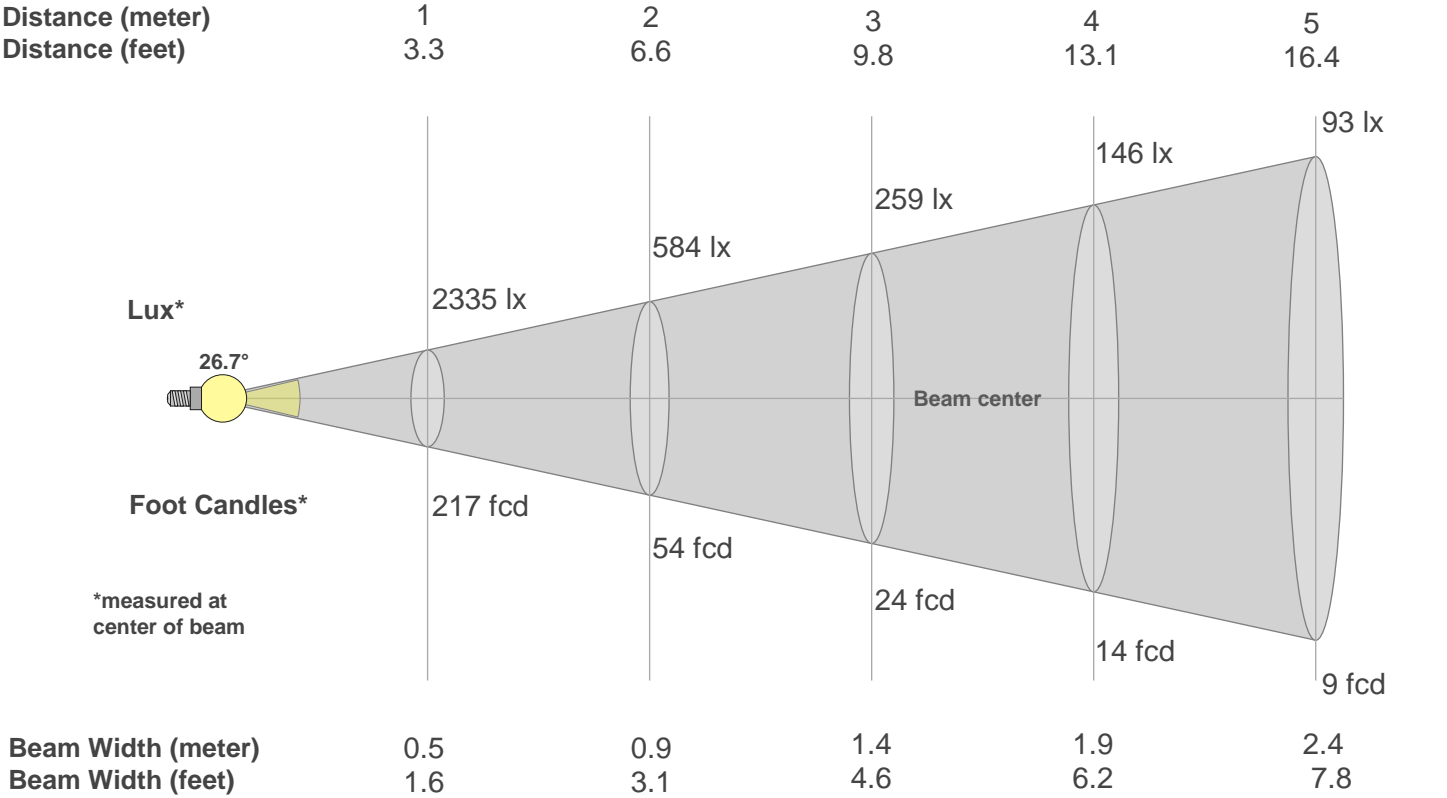
CQS: 0.0



## 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	$\Delta uv$
1443 K	-21.9	-381.0	0.5	1.7	0.0	0.601	0.398	0.366	0.363	0.0032

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	2335	584	259	146	93	65	48	36	29	23	19	16	14	12	10	9	8	7	6	6
fcd	216.9	54.2	24.1	13.6	8.7	6	4.4	3.4	2.7	2.2	1.8	1.5	1.3	1.1	1	0.8	0.8	0.7	0.6	0.5

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°
2335	2298	2188	2011	1804	1582	1338	1087	845	632	455	320	218	144	94	60	40	27	20	15
100%	98%	94%	86%	77%	68%	57%	47%	36%	27%	20%	14%	9%	6%	4%	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°	
2335	2298	2188	2011	1804	1582	1338	1087	845	632	455	320	218	144	94	60	40	27	20	15	
100%	98%	94%	86%	77%	68%	57%	47%	36%	27%	20%	14%	9%	6%	4%	3%	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°	
2335	2268	2120	1956	1763	1562	1332	1086	840	606	421	282	181	114	71	47	31	21	17	13	
100%	97%	91%	84%	75%	67%	57%	47%	36%	26%	18%	12%	8%	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°	
2335	2268	2120	1956	1763	1562	1332	1086	840	606	421	282	181	114	71	47	31	21	17	13	
100%	97%	91%	84%	75%	67%	57%	47%	36%	26%	18%	12%	8%	5%	3%	2%	1%	1%	1%	1%	

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.7°	46.5°	59.1°	98.7%	97.9%