



Light Efficiency:

42 Lumen/Watt

Light Quality:

CRI: -24.1

Color Temperature:

1482 K

Output: 388 lm

Peak: 1617 cd

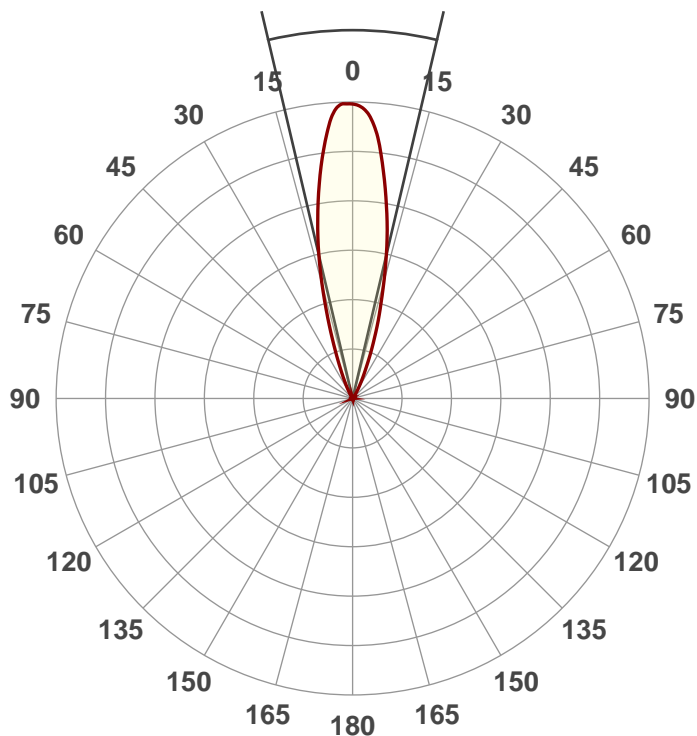
Power: 9.2 W

PF: 0.45



Beam Angle

26.5°



Product Name:

UB 9H

Test:

Amber

Date:

4/20/2018

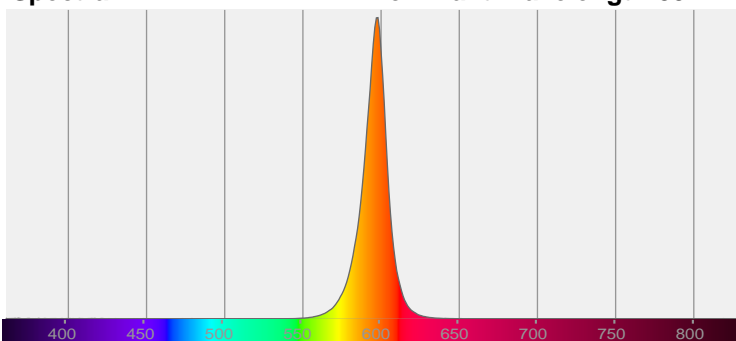
Note:



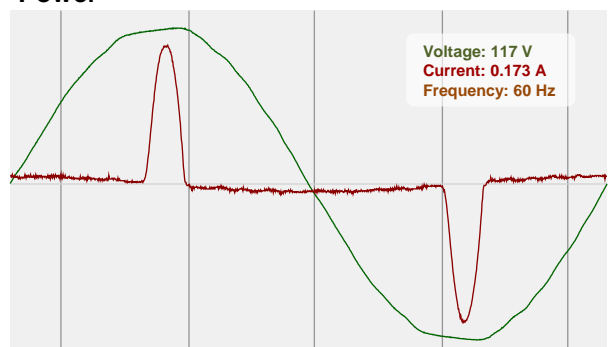
CIE 1931
x: 0.597
y: 0.402

Spectra

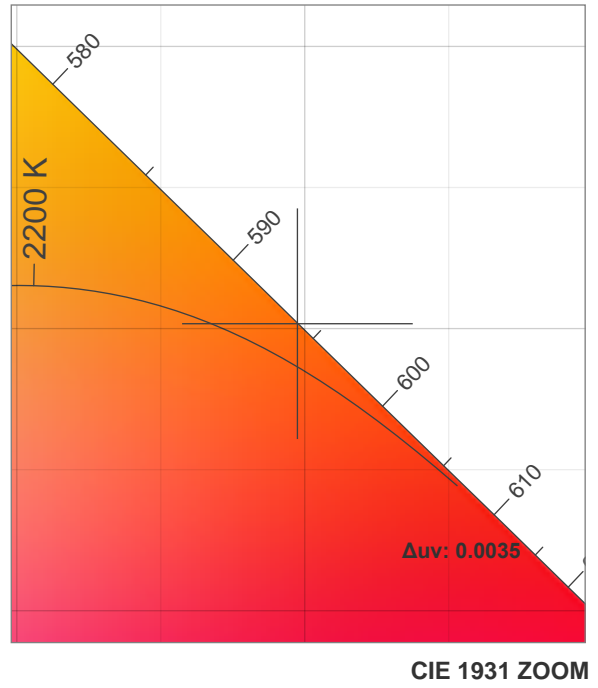
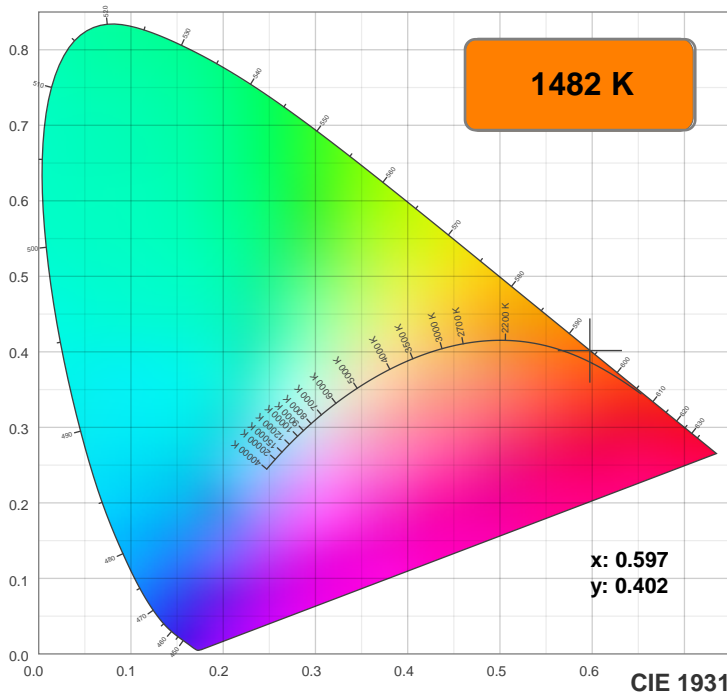
Dominant Wavelength: 594nm



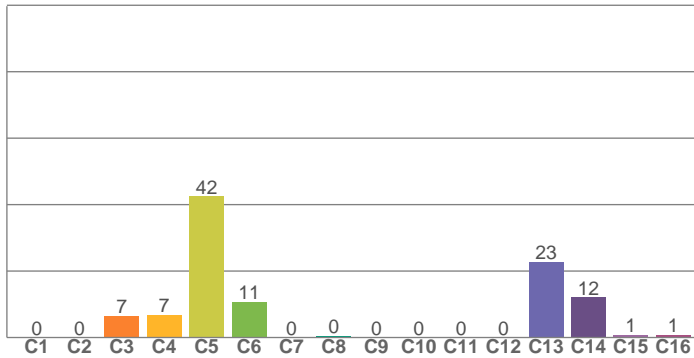
Power



Color Details



TM30: 0.4



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
-36.5	53.8	11.7	-72.6	-44.7	46.2	-11.8	-139.2	-391.3	33.7	-98.0	-1.0	-15.5	42.6	-71.1

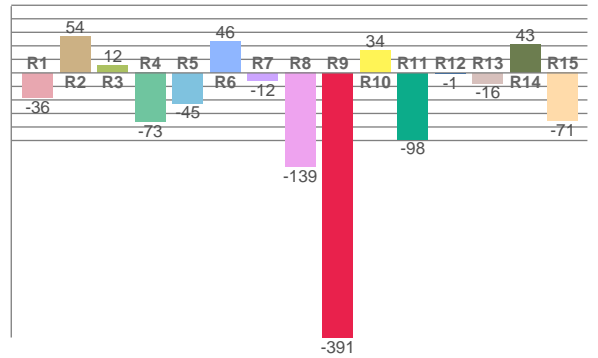
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	6.6	6.8	42.5	10.6	0.0	0.4	0.1	0.0	0.1	0.0	22.8	12.1	0.9	0.8

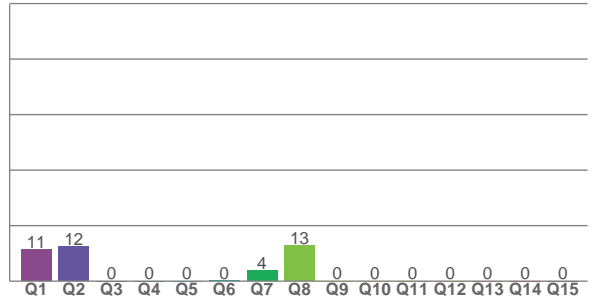
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.4	12.5	0.0	0.0	0.1	0.3	3.8	12.8	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -24.1 (R1-R8)



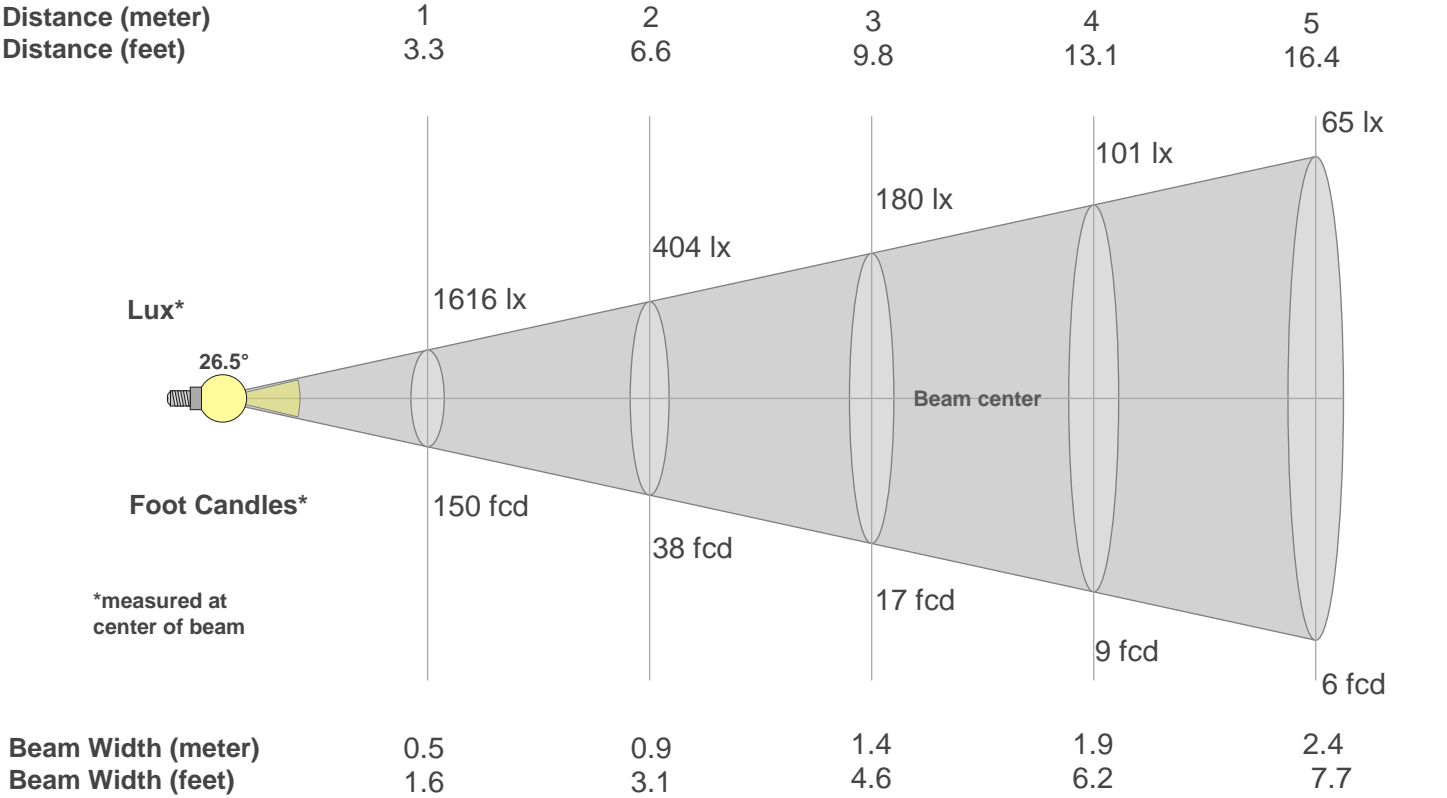
CQS: 0.0



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
1482 K	-24.1	-391.3	0.4	2.1	0.0	0.597	0.402	0.361	0.364	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	1616	404	180	101	65	45	33	25	20	16	13	11	10	8	7	6	6	5	4	4
fcd	150.1	37.5	16.7	9.4	6	4.2	3.1	2.3	1.9	1.5	1.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	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°
1616	1616	1560	1425	1263	1091	917	739	557	399	273	183	123	79	50	32	22	15	11	9
100%	100%	97%	88%	78%	67%	57%	46%	34%	25%	17%	11%	8%	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°	
1616	1616	1560	1425	1263	1091	917	739	557	399	273	183	123	79	50	32	22	15	11	9	
100%	100%	97%	88%	78%	67%	57%	46%	34%	25%	17%	11%	8%	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°	
1616	1594	1526	1400	1235	1070	911	745	589	462	346	252	177	126	88	59	38	24	15	11	
100%	99%	94%	87%	76%	66%	56%	46%	36%	29%	21%	16%	11%	8%	5%	4%	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°	
1616	1594	1526	1400	1235	1070	911	745	589	462	346	252	177	126	88	59	38	24	15	11	
100%	99%	94%	87%	76%	66%	56%	46%	36%	29%	21%	16%	11%	8%	5%	4%	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°	47.2°	60.7°	99.0%	98.3%