



Light Efficiency:

57 Lumen/Watt

Light Quality:

CRI: 72.6

Color Temperature:

7260 K

Output: 643 lm

Peak: 3138 cd

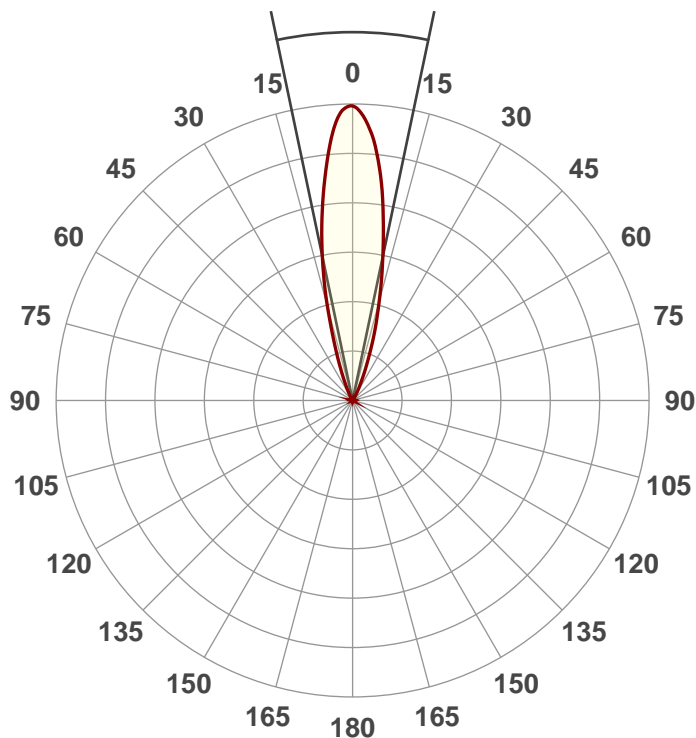
Power: 11.2 W

PF: 0.47



Beam Angle

23.7°



Product Name:

UB 9H

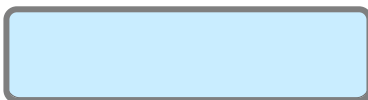
Test:

White

Date:

4/20/2018

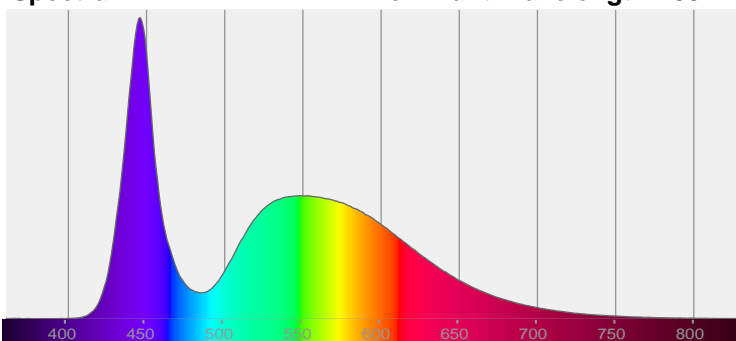
Note:



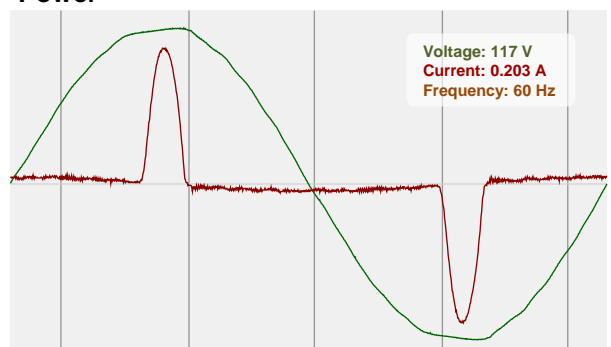
CIE 1931
x: 0.304
y: 0.309

Spectra

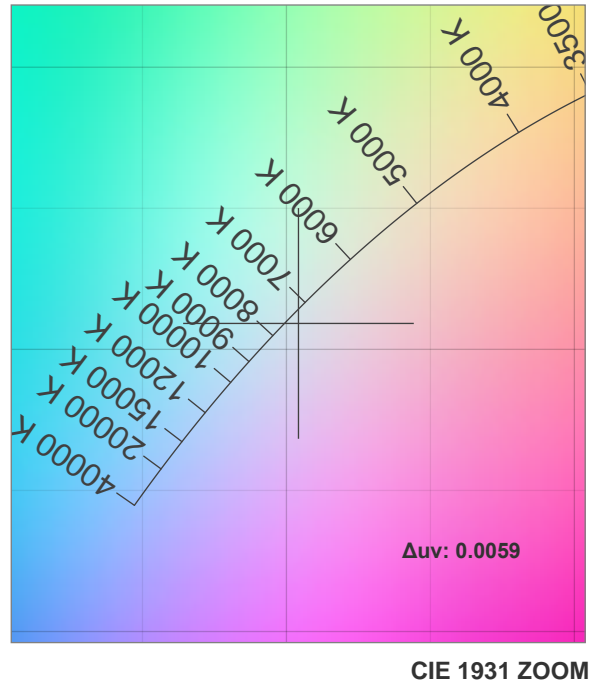
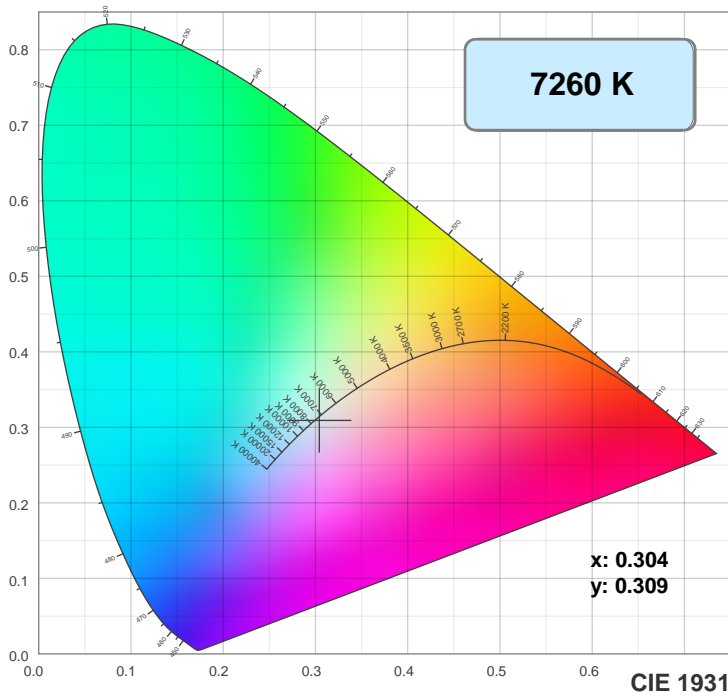
Dominant Wavelength: 403nm



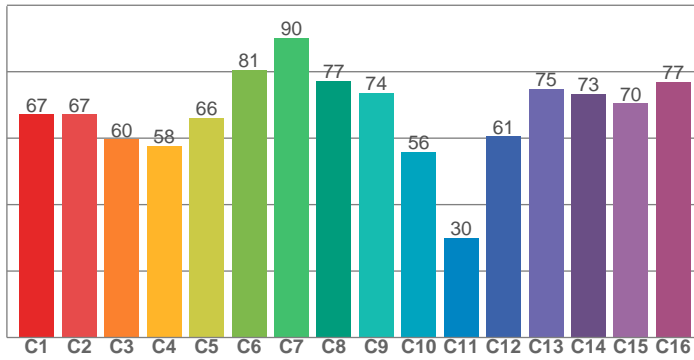
Power



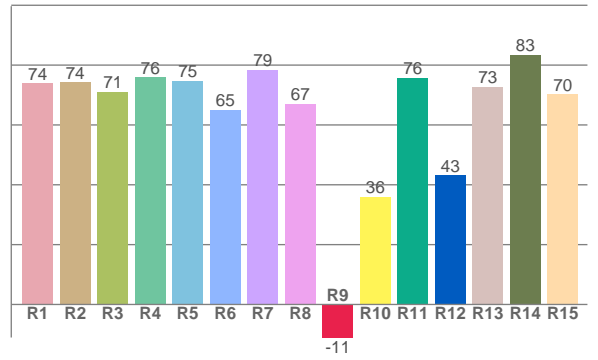
Color Details



TM30: 67.2



CRI: 72.6 (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
74.0	74.3	71.1	75.9	74.8	65.0	78.5	67.1	-11.0	36.1	75.8	43.2	72.8	83.5	70.2

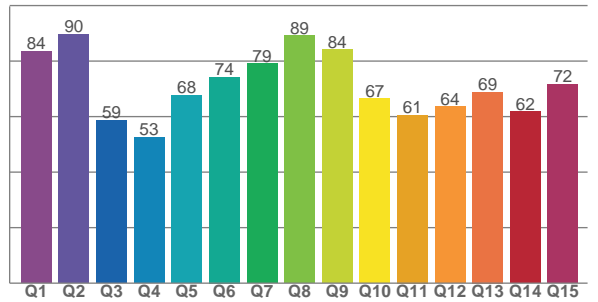
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.2	67.2	59.6	57.7	66.1	80.5	90.2	77.3	73.6	55.8	30.0	60.5	74.9	73.3	70.5	76.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.5	89.7	58.7	52.6	67.7	74.2	79.0	89.2	84.2	66.6	60.6	63.6	68.8	61.9	71.6

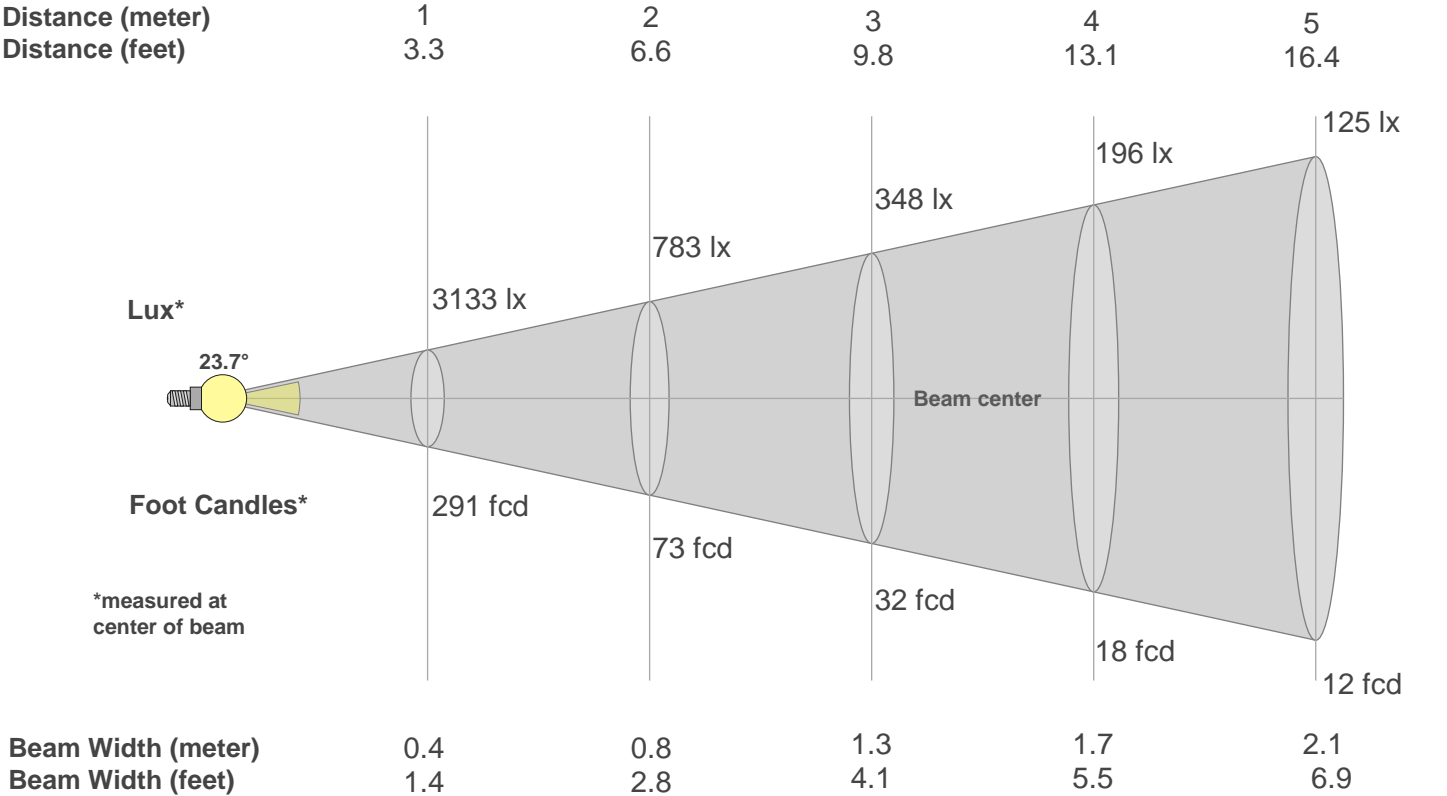
CQS: 69.4



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
7260 K	72.6	-11.0	67.2	96.5	69.4	0.304	0.309	0.199	0.304	0.0059

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	3133	783	348	196	125	87	64	49	39	31	26	22	19	16	14	12	11	10	9	8
fcd	291	72.8	32.3	18.2	11.6	8.1	5.9	4.5	3.6	2.9	2.4	2	1.7	1.5	1.3	1.1	1	0.9	0.8	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°
3133	3090	2894	2577	2233	1890	1544	1208	867	603	412	273	177	113	72	46	31	23	17	13
100%	99%	92%	82%	71%	60%	49%	39%	28%	19%	13%	9%	6%	4%	2%	1%	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°	
3133	3090	2894	2577	2233	1890	1544	1208	867	603	412	273	177	113	72	46	31	23	17	13	
100%	99%	92%	82%	71%	60%	49%	39%	28%	19%	13%	9%	6%	4%	2%	1%	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°	
3133	3039	2853	2583	2255	1888	1546	1241	969	743	533	374	252	167	110	73	46	31	23	18	
100%	97%	91%	82%	72%	60%	49%	40%	31%	24%	17%	12%	8%	5%	4%	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°
3133	3039	2853	2583	2255	1888	1546	1241	969	743	533	374	252	167	110	73	46	31	23	18
100%	97%	91%	82%	72%	60%	49%	40%	31%	24%	17%	12%	8%	5%	4%	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
23.7°	44.3°	57.2°	99.1%	98.4%