



Light Efficiency:

31 Lumen/Watt

Light Quality:

CRI: 58.8

Color Temperature:

12898 K

Output: 1768 lm

Peak: 8053 cd

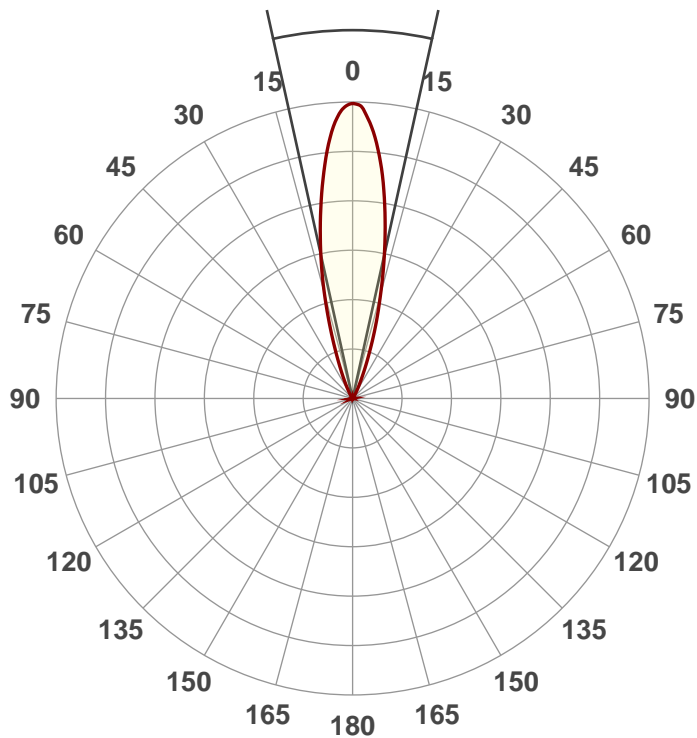
Power: 56.2 W

PF: 0.66



Beam Angle

24.9°



Product Name:

UB 9H

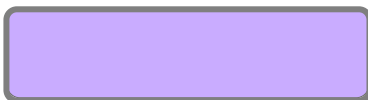
Test:

Full On

Date:

4/19/2018

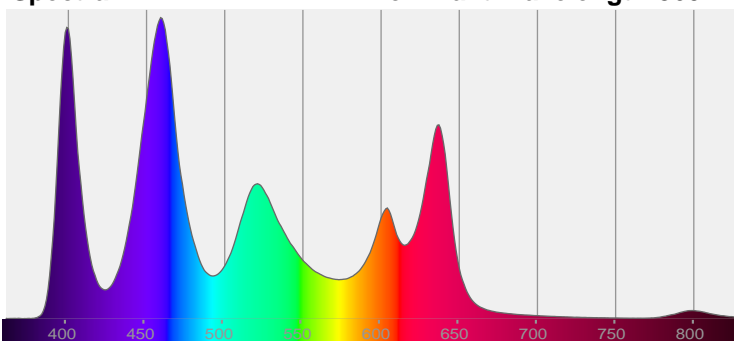
Note:



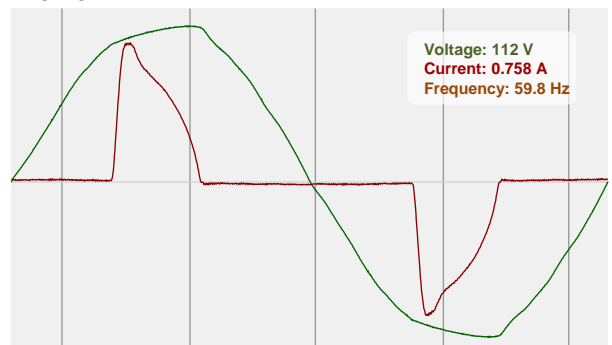
CIE 1931
x: 0.285
y: 0.251

Spectra

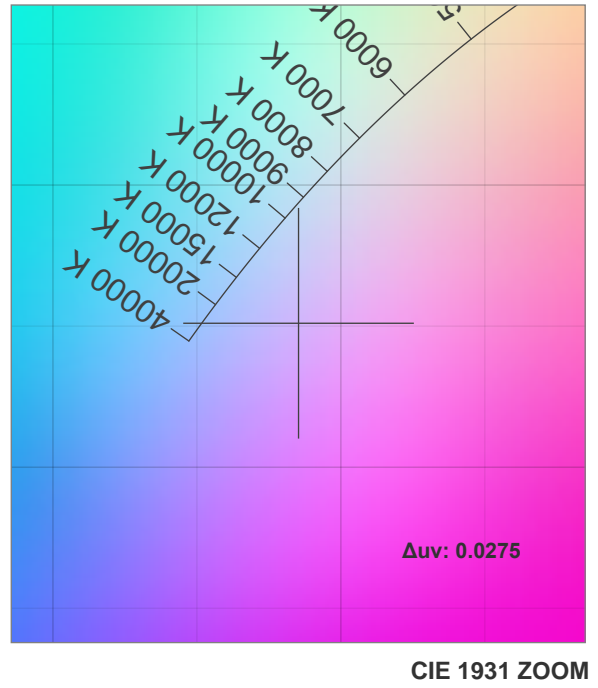
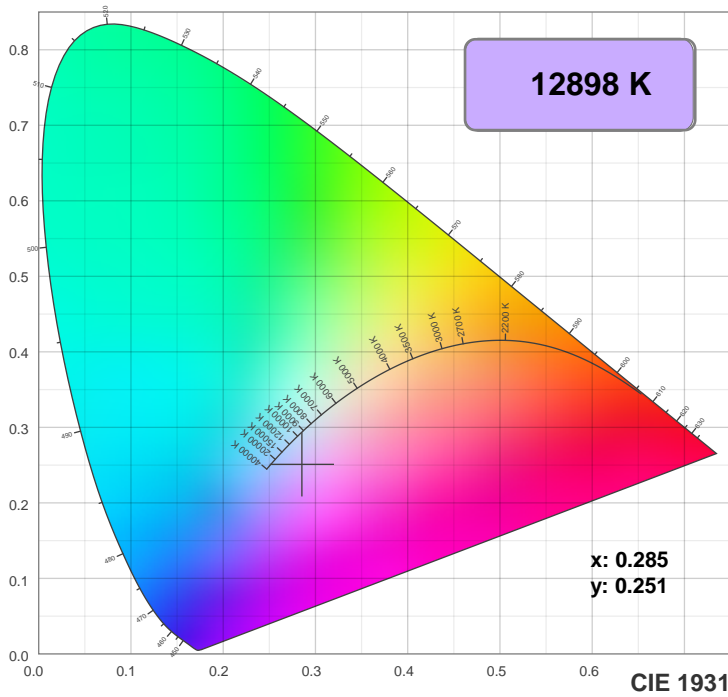
Dominant Wavelength: 360nm



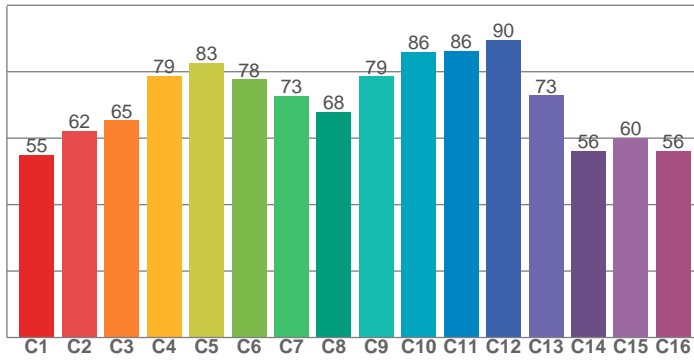
Power



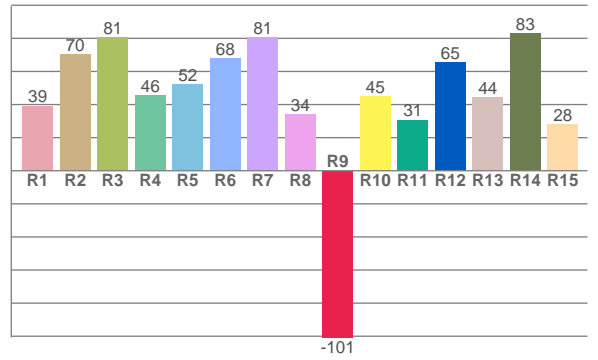
Color Details



TM30: 73.0



CRI: 58.8 (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
39.2	70.3	80.6	45.6	52.2	68.0	80.7	34.0	-100.8	44.9	30.7	65.4	44.5	83.1	28.3

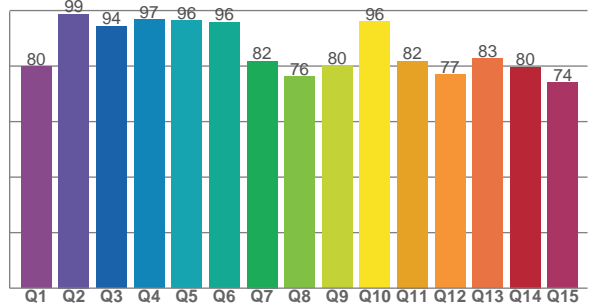
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
55.0	62.3	65.3	78.8	82.7	77.7	72.7	68.0	78.6	85.9	86.2	89.5	72.9	56.1	60.1	56.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.9	98.8	94.4	96.7	96.4	95.8	81.9	76.2	80.2	96.0	81.9	76.9	82.7	79.7	74.0

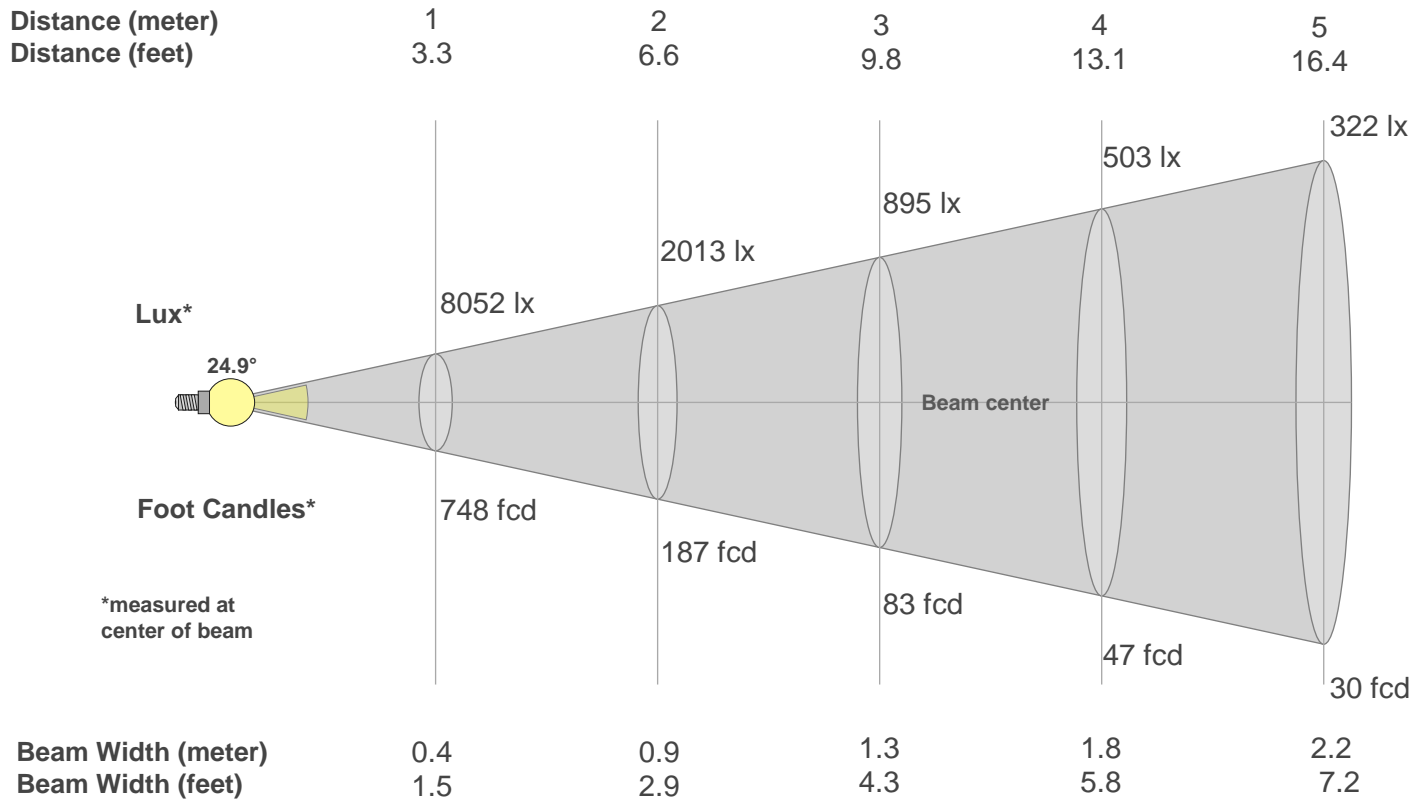
CQS: 83.6



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
12898 K	58.8	-100.8	73.0	114.1	83.6	0.285	0.251	0.210	0.277	0.0275

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	8052	2013	895	503	322	224	164	126	99	81	67	56	48	41	36	31	28	25	22	20
fcd	748.1	187	83.1	46.8	29.9	20.8	15.3	11.7	9.2	7.5	6.2	5.2	4.4	3.8	3.3	2.9	2.6	2.3	2.1	1.9

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°
8052	7906	7461	6752	5912	5054	4214	3398	2586	1880	1313	901	613	404	262	174	120	83	65	48
100%	98%	93%	84%	73%	63%	52%	42%	32%	23%	16%	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°
8052	7906	7461	6752	5912	5054	4214	3398	2586	1880	1313	901	613	404	262	174	120	83	65	48
100%	98%	93%	84%	73%	63%	52%	42%	32%	23%	16%	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°
8052	7924	7438	6774	5984	5102	4222	3371	2597	1941	1363	929	615	407	268	175	115	77	59	47
100%	98%	92%	84%	74%	63%	52%	42%	32%	24%	17%	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°
8052	7924	7438	6774	5984	5102	4222	3371	2597	1941	1363	929	615	407	268	175	115	77	59	47
100%	98%	92%	84%	74%	63%	52%	42%	32%	24%	17%	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
24.9°	45.3°	58.6°	98.8%	98.0%