

UBL12H



Light Efficiency:

33 Lumen/Watt

Light Quality:

CRI: 62.6

Color Temperature:

8608 K

Output: 2126 lm

Peak: 8905 cd

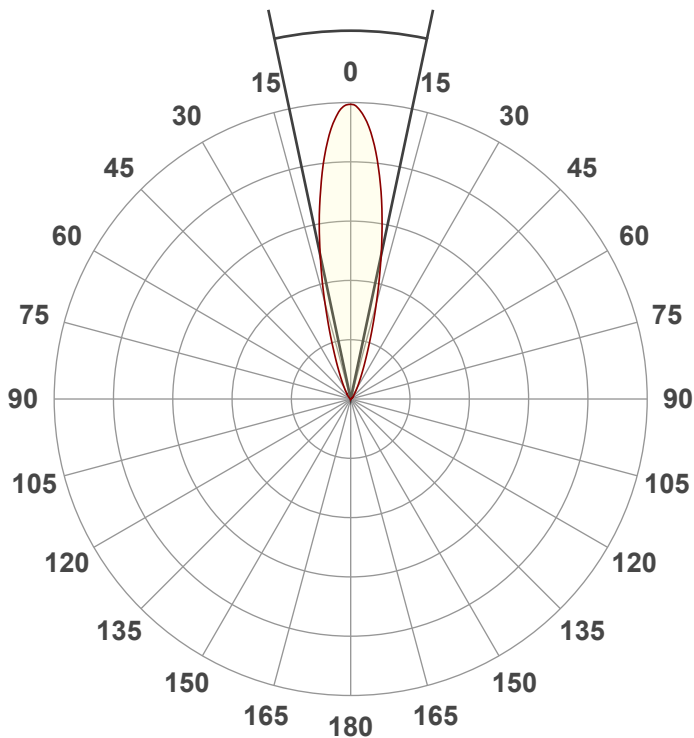
Power: 65.3 W

PF: 0.59



Beam Angle

23.9°



Test:

Full on No UV

Date:

2/6/2024

Note:

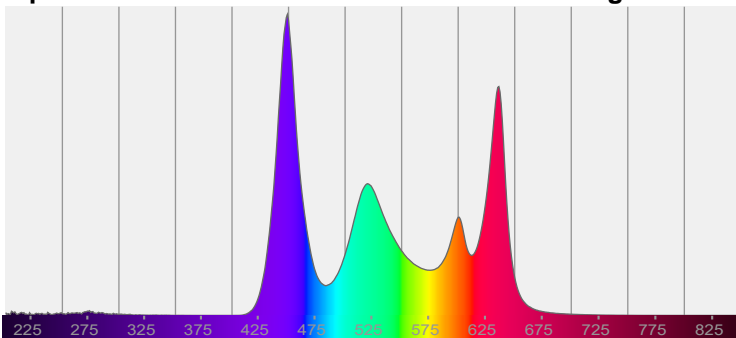
CIE 1931

x: 0.301

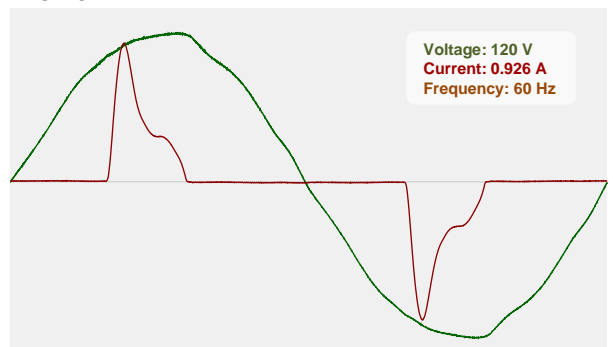
y: 0.271

Spectra

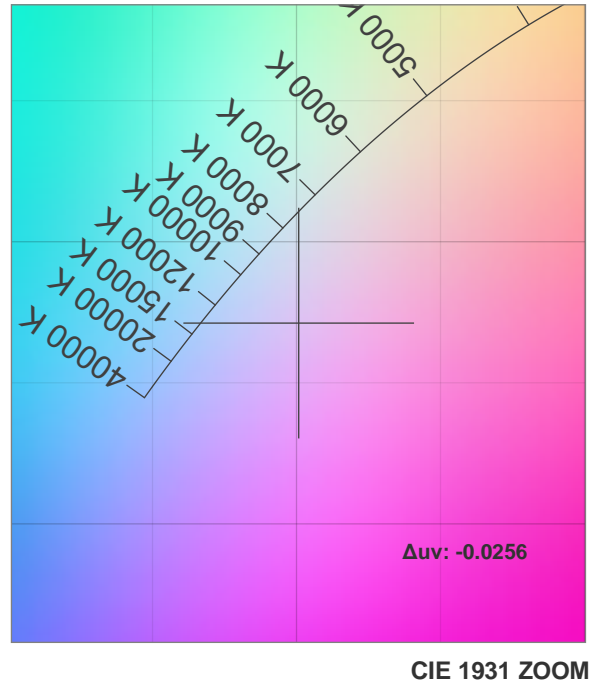
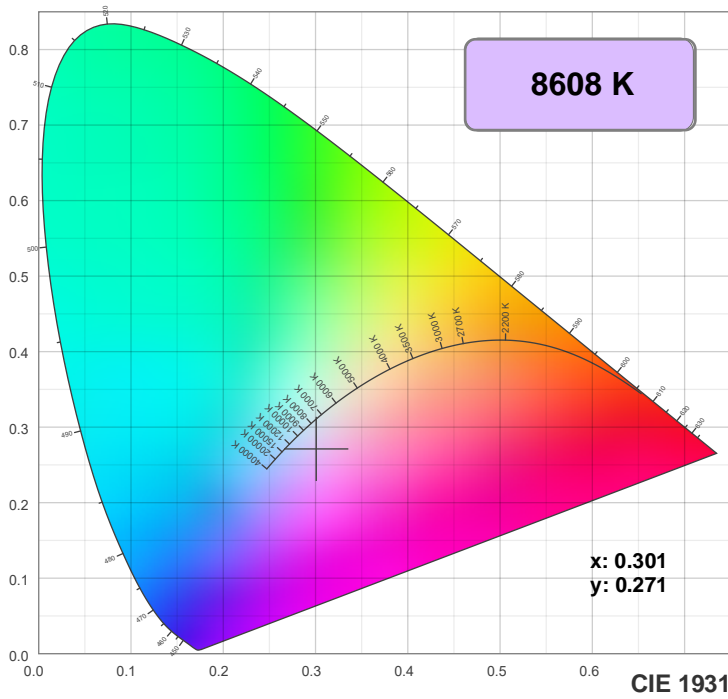
Dominant Wavelength: 360nm



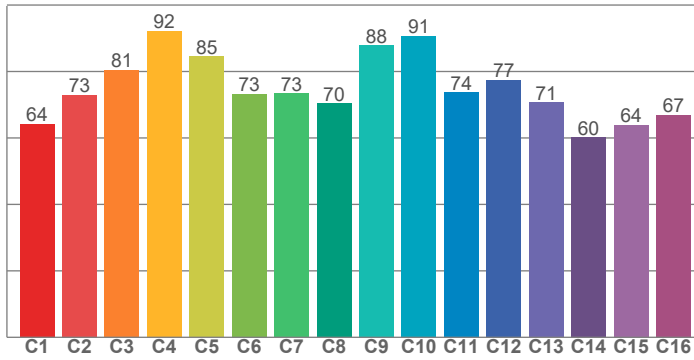
Power



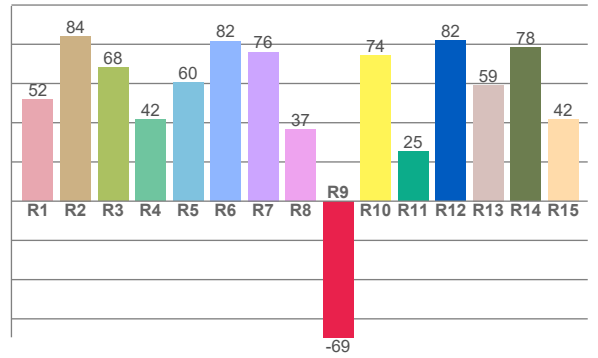
Color Details



TM30: 76.7



CRI: 62.6 (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
51.9	84.2	68.2	41.7	60.4	81.7	76.1	36.7	-69.4	74.4	25.3	82.0	59.2	78.5	41.6

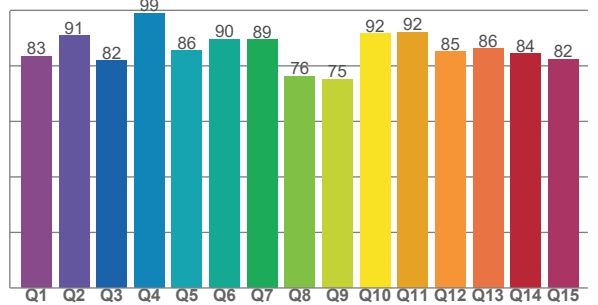
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.2	72.9	80.5	92.3	84.5	73.2	73.4	70.4	87.9	90.6	73.8	77.4	70.7	60.2	64.0	66.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.4	90.8	82.0	99.0	85.6	89.6	89.4	76.3	75.2	91.5	92.2	85.2	86.3	84.3	82.4

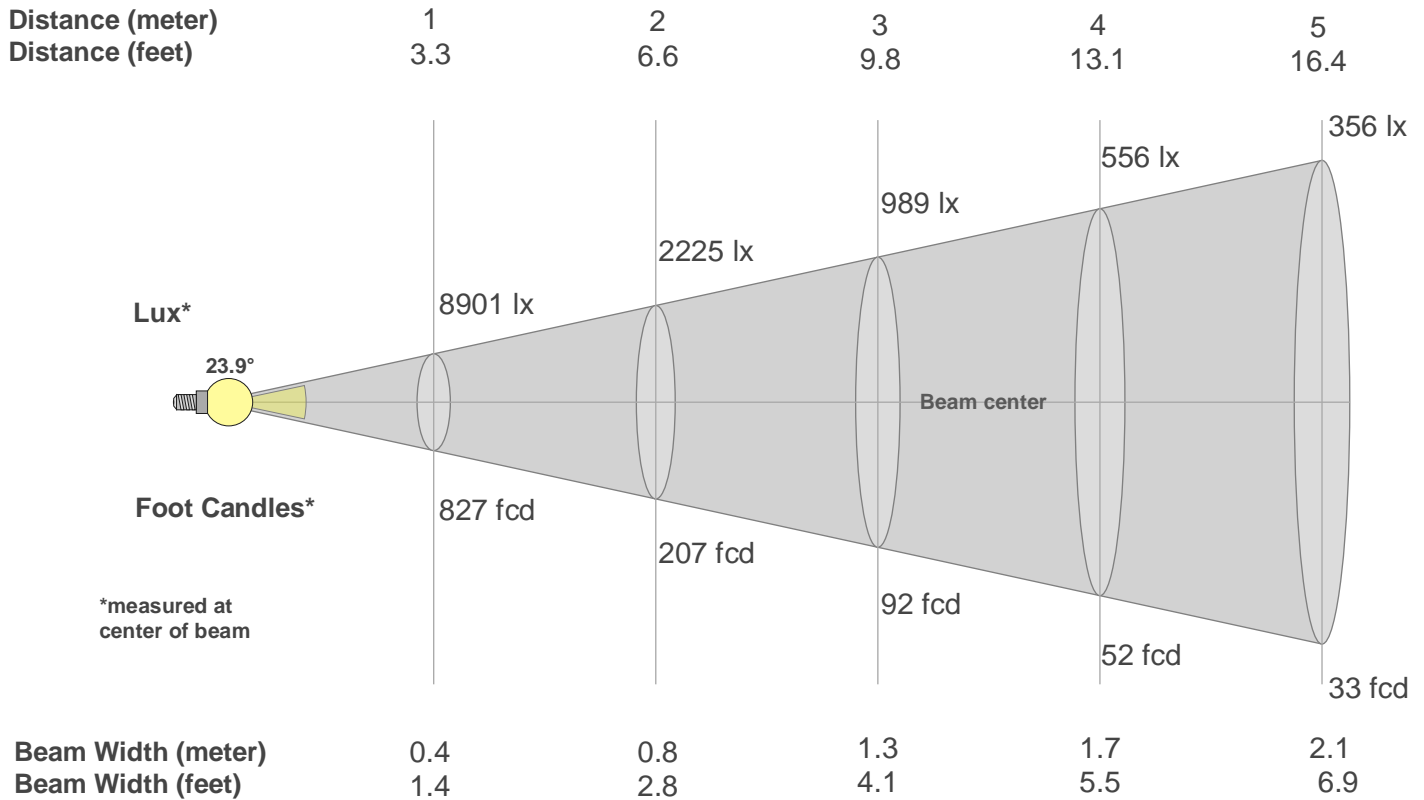
CQS: 85.0



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
8608 K	62.6	-69.4	76.7	121.1	85.0	0.301	0.271	0.213	0.288	-0.0256

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	8901	2225	989	556	356	247	182	139	110	89	74	62	53	45	40	35	31	27	25	22
fcd	826.9	206.7	91.9	51.7	33.1	23	16.9	12.9	10.2	8.3	6.8	5.7	4.9	4.2	3.7	3.2	2.9	2.6	2.3	2.1

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°
8901	8754	8235	7444	6472	5470	4426	3466	2591	1919	1407	1051	795	610	475	373	306	234	197	167
100%	98%	93%	84%	73%	61%	50%	39%	29%	22%	16%	12%	9%	7%	5%	4%	3%	3%	2%	2%

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°
8901	8754	8235	7444	6472	5470	4426	3466	2591	1919	1407	1051	795	610	475	373	306	234	197	167
100%	98%	93%	84%	73%	61%	50%	39%	29%	22%	16%	12%	9%	7%	5%	4%	3%	3%	2%	2%

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°
8901	8695	8184	7417	6487	5460	4425	3445	2597	1918	1418	1061	804	618	484	383	307	246	201	172
100%	98%	92%	83%	73%	61%	50%	39%	29%	22%	16%	12%	9%	7%	5%	4%	3%	3%	2%	2%

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°
8901	8695	8184	7417	6487	5460	4425	3445	2597	1918	1418	1061	804	618	484	383	307	246	201	172
100%	98%	92%	83%	73%	61%	50%	39%	29%	22%	16%	12%	9%	7%	5%	4%	3%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
23.9°	46.4°	69.4°	98.6%	95.3%