

UBL9H



Light Efficiency:

30 Lumen/Watt

Light Quality:

CRI: 63.7

Color Temperature:

9739 K

Output: 1650 lm

Peak: 7009 cd

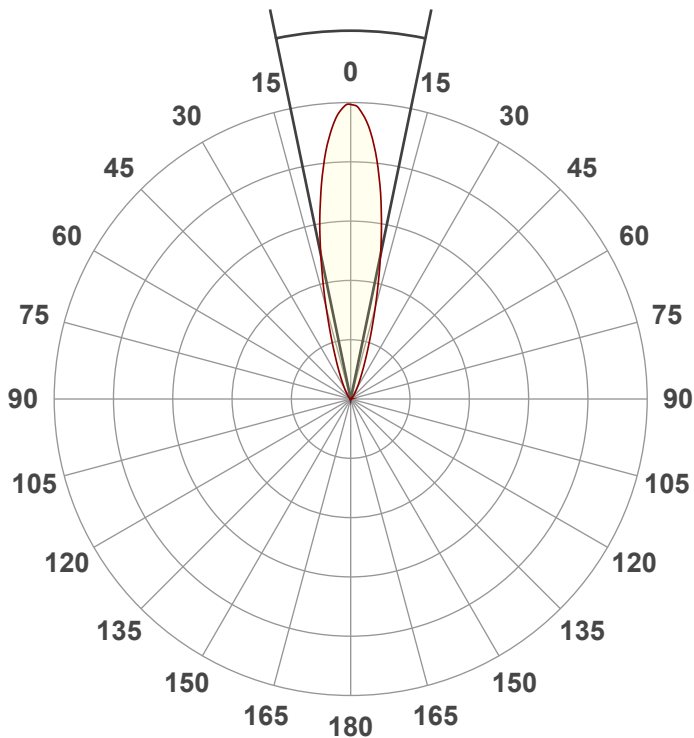
Power: 54.4 W

PF: 0.59



Beam Angle

23.4°



Test:

Frost Filter Full On

Date:

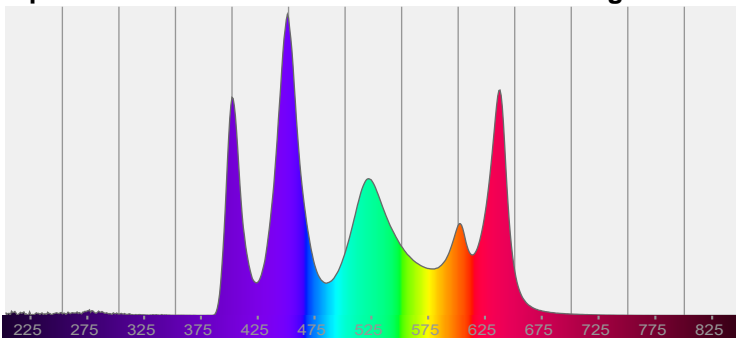
2/8/2024

Note:

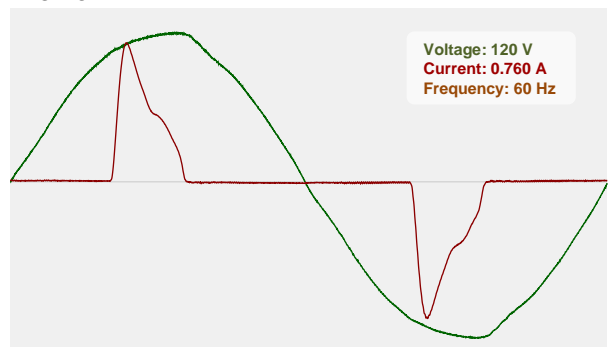
CIE 1931
x: 0.293
y: 0.267

Spectra

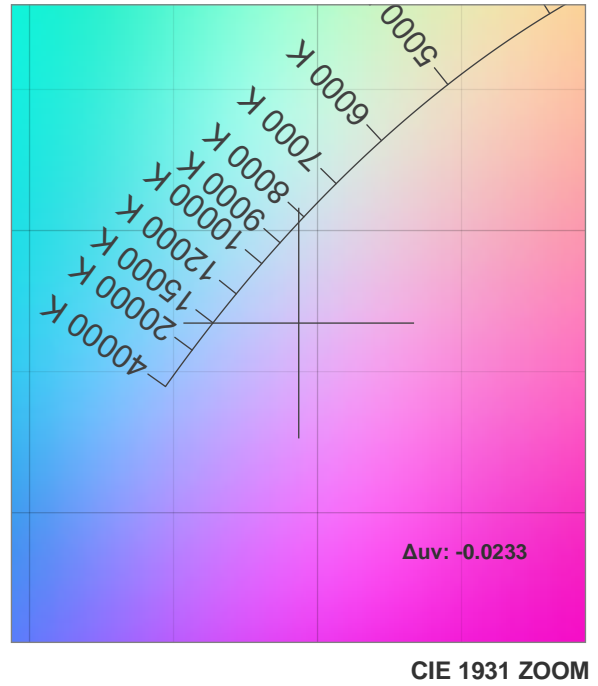
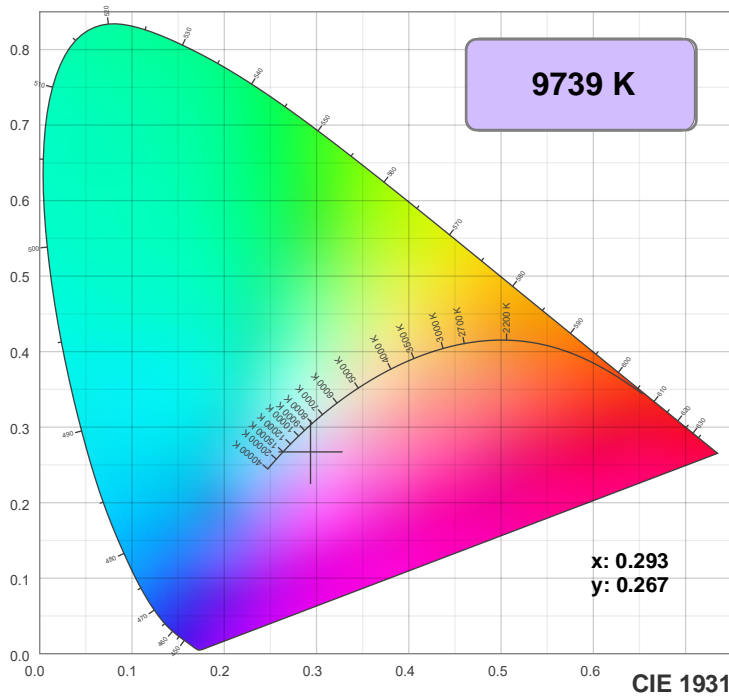
Dominant Wavelength: 360nm



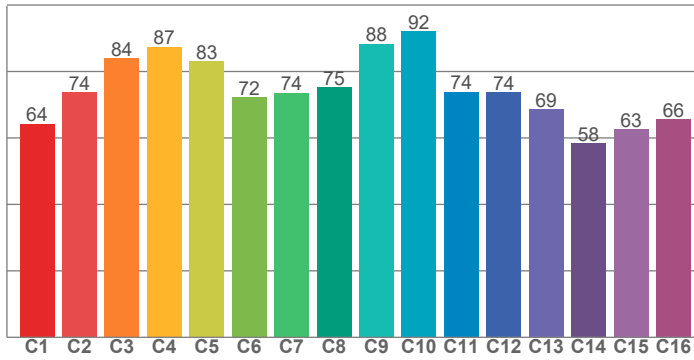
Power



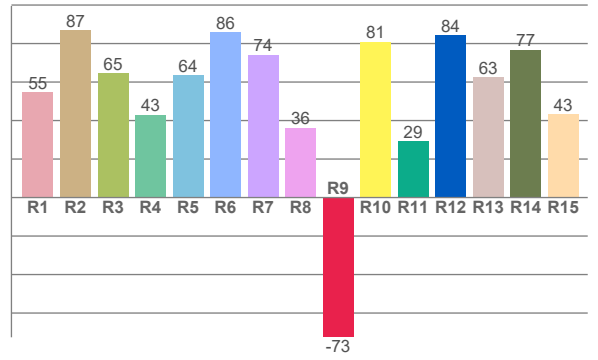
Color Details



TM30: 76.5



CRI: 63.7 (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
54.8	87.0	64.6	43.0	63.6	85.9	74.2	36.2	-72.6	81.0	29.2	84.4	62.7	76.8	43.2

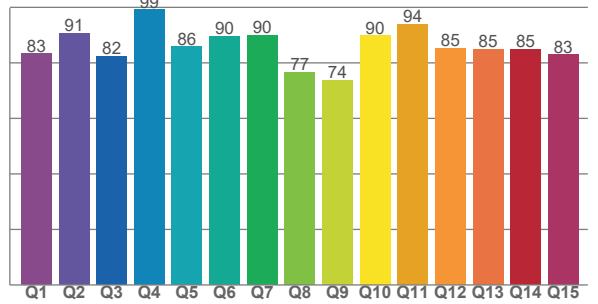
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.2	73.6	83.9	87.4	83.0	72.2	73.6	75.2	88.3	92.0	73.9	73.7	68.5	58.3	62.5	65.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.3	90.7	82.4	99.1	85.8	89.7	90.1	76.6	73.8	89.8	93.9	85.2	84.9	84.9	82.9

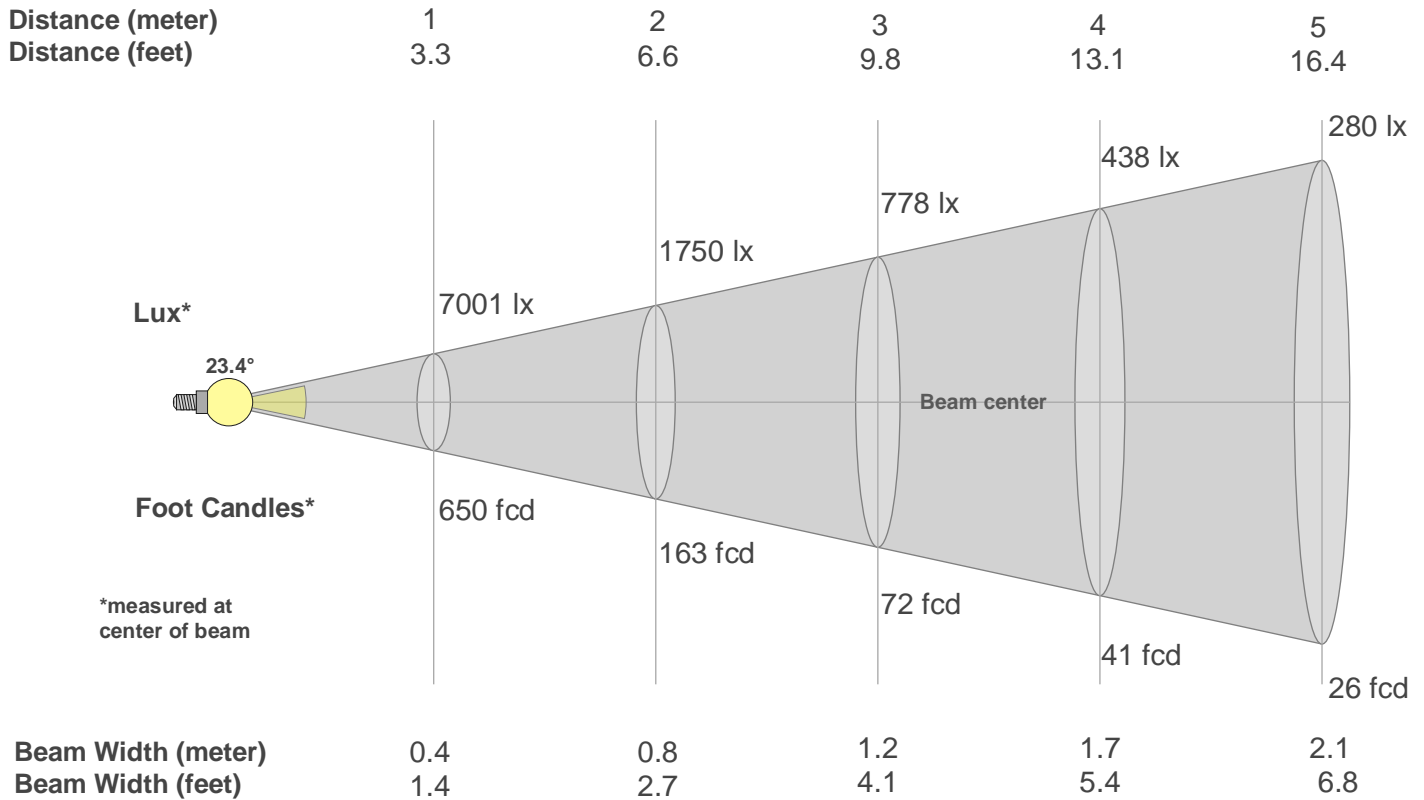
CQS: 84.9



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
9739 K	63.7	-72.6	76.5	120.9	84.9	0.293	0.267	0.209	0.285	-0.0233

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	7001	1750	778	438	280	194	143	109	86	70	58	49	41	36	31	27	24	22	19	18
fcd	650.4	162.6	72.3	40.7	26	18.1	13.3	10.2	8	6.5	5.4	4.5	3.8	3.3	2.9	2.5	2.3	2	1.8	1.6

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°
7001	6863	6442	5822	5051	4235	3381	2615	1939	1440	1063	806	614	475	372	294	237	184	157	133
100%	98%	92%	83%	72%	60%	48%	37%	28%	21%	15%	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°
7001	6863	6442	5822	5051	4235	3381	2615	1939	1440	1063	806	614	475	372	294	237	184	157	133
100%	98%	92%	83%	72%	60%	48%	37%	28%	21%	15%	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°
7001	6847	6430	5805	5049	4214	3379	2604	1954	1450	1081	813	622	483	380	301	242	196	160	137
100%	98%	92%	83%	72%	60%	48%	37%	28%	21%	15%	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°
7001	6847	6430	5805	5049	4214	3379	2604	1954	1450	1081	813	622	483	380	301	242	196	160	137
100%	98%	92%	83%	72%	60%	48%	37%	28%	21%	15%	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
23.4°	46.1°	69.6°	98.3%	94.7%