

UBL9H



Light Efficiency:

33 Lumen/Watt

Light Quality:

CRI: 62.7

Color Temperature:

7758 K

Output: 1944 lm

Peak: 9751 cd

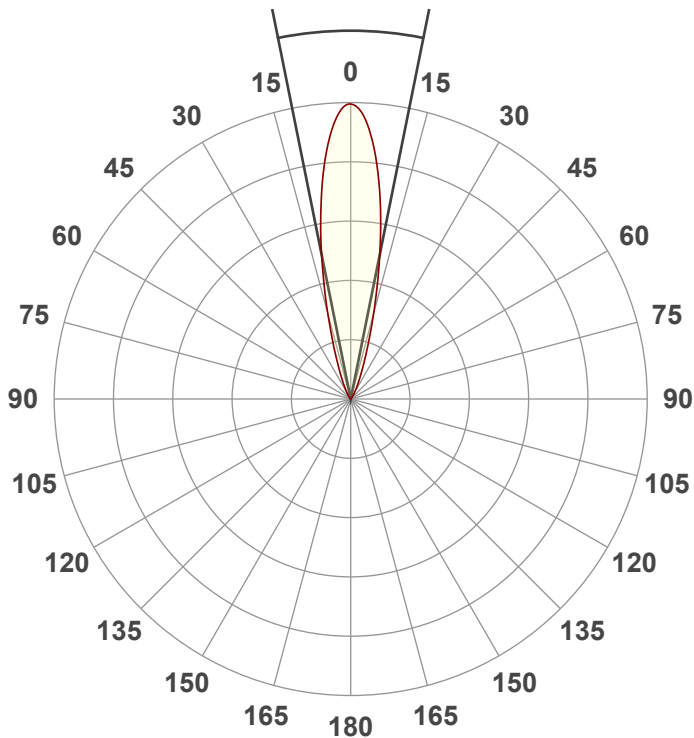
Power: 58.5 W

PF: 0.6



Beam Angle

22.8°



Test:

Frost Filter Full On No UV

Date:

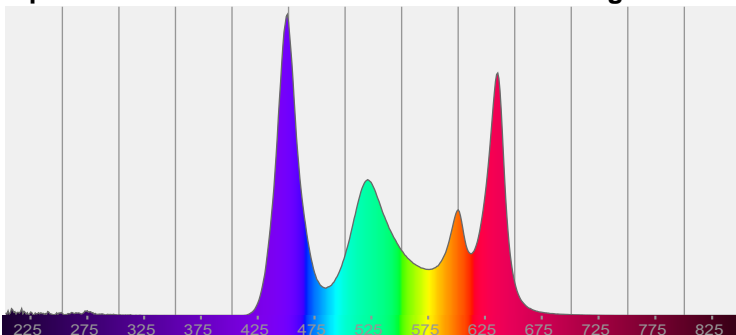
2/8/2024

Note:

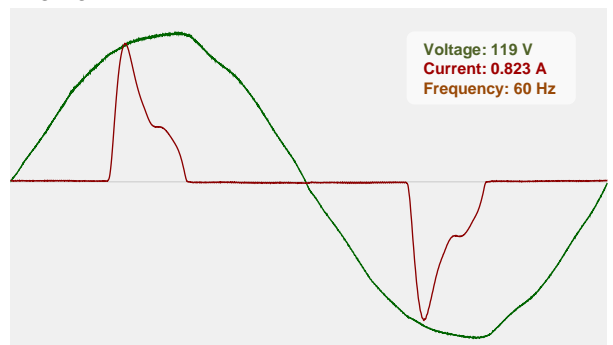
CIE 1931
x: 0.307
y: 0.276

Spectra

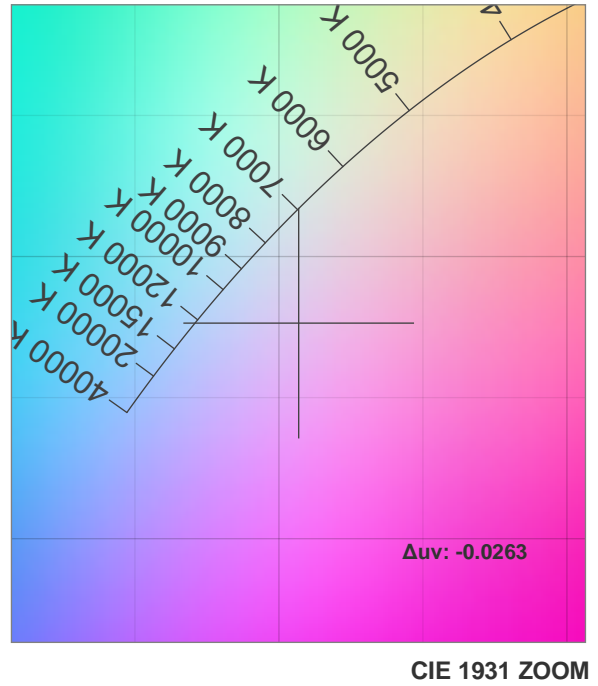
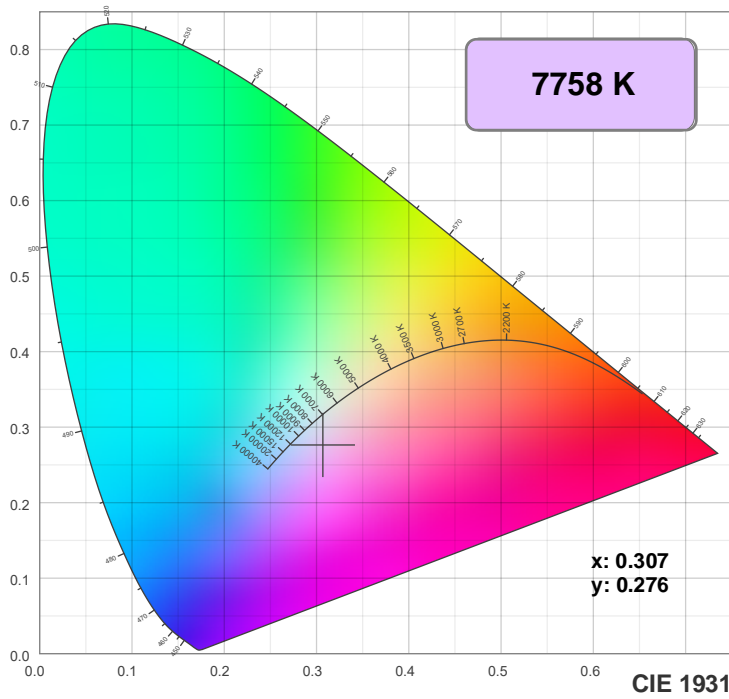
Dominant Wavelength: 360nm



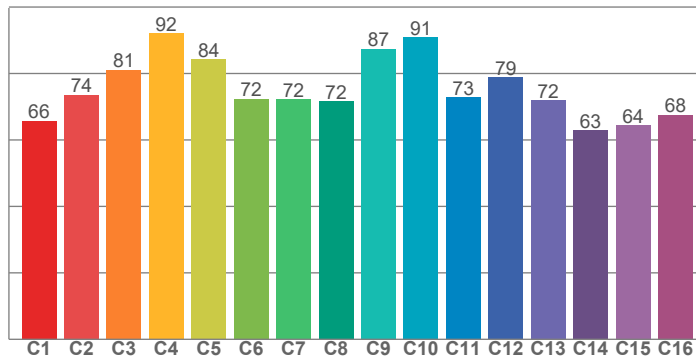
Power



Color Details



TM30: 77.1



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	84.0	69.5	41.1	59.6	80.5	76.8	38.3	-60.8	73.5	24.0	82.9	58.9	79.1	42.9

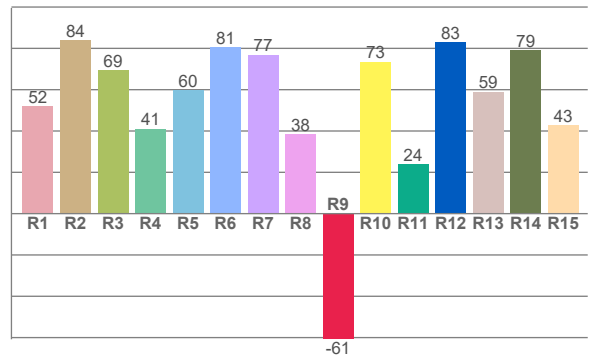
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.7	73.5	81.1	92.1	84.2	72.3	72.2	71.6	87.4	90.9	72.8	78.8	71.9	62.8	64.4	67.6

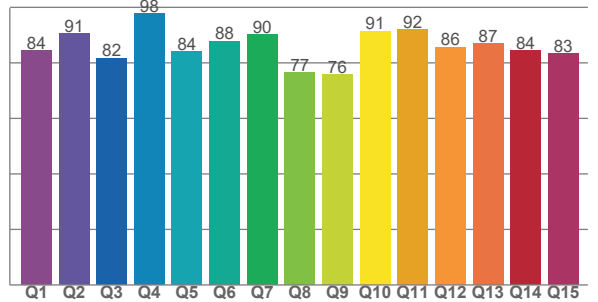
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84.4	90.5	81.7	97.6	84.0	87.9	90.2	76.6	75.7	91.4	92.0	85.6	86.9	84.4	83.4

CRI: 62.7 (R1-R8)



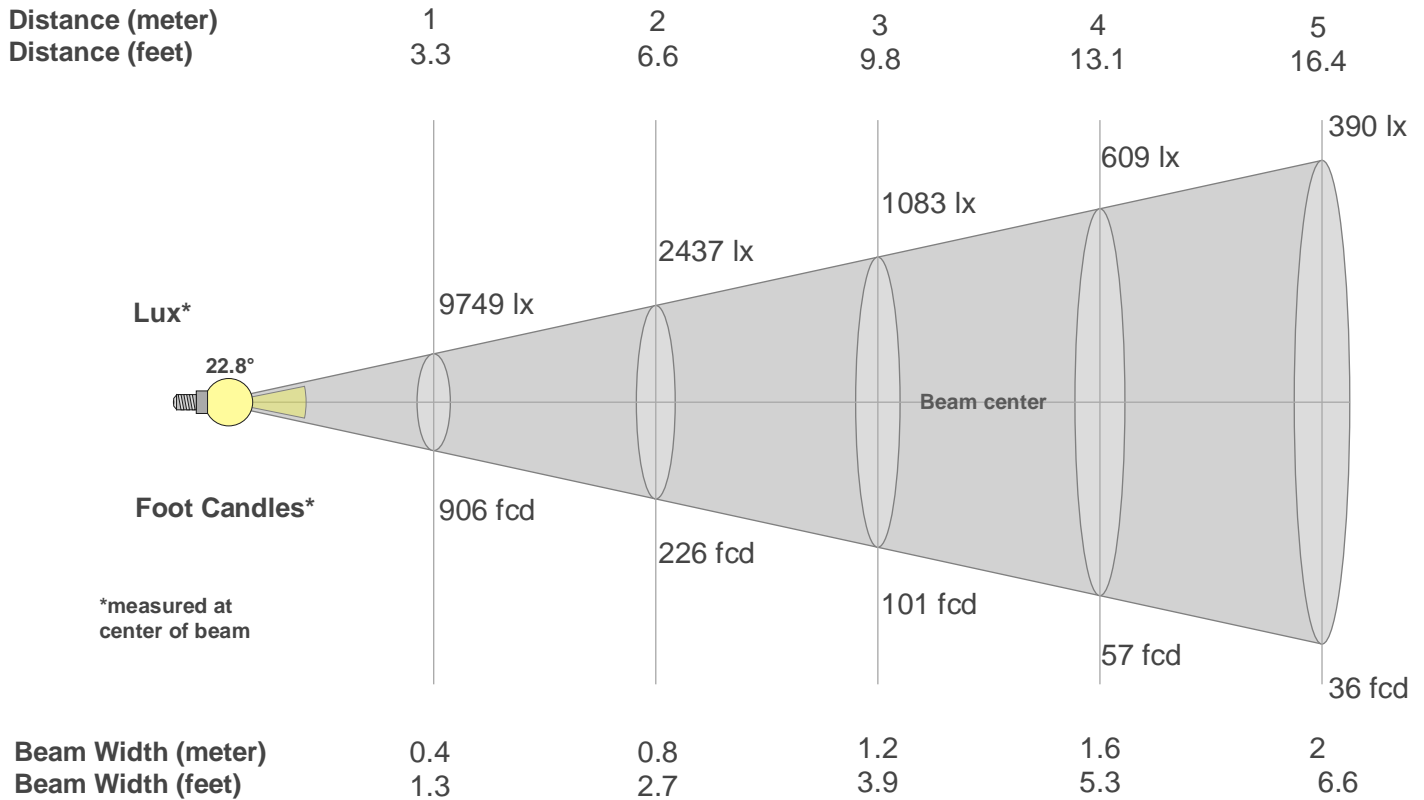
CQS: 85.1



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
7758 K	62.7	-60.8	77.1	121.8	85.1	0.307	0.276	0.215	0.291	-0.0263

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	9749	2437	1083	609	390	271	199	152	120	97	81	68	58	50	43	38	34	30	27	24
fcd	905.7	226.4	100.6	56.6	36.2	25.2	18.5	14.2	11.2	9.1	7.5	6.3	5.4	4.6	4	3.5	3.1	2.8	2.5	2.3

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°
9749	9546	8927	8015	6905	5718	4504	3428	2476	1793	1276	935	681	504	373	285	197	156	120	91
100%	98%	92%	82%	71%	59%	46%	35%	25%	18%	13%	10%	7%	5%	4%	3%	2%	2%	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°
9749	9546	8927	8015	6905	5718	4504	3428	2476	1793	1276	935	681	504	373	285	197	156	120	91
100%	98%	92%	82%	71%	59%	46%	35%	25%	18%	13%	10%	7%	5%	4%	3%	2%	2%	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°
9749	9521	8899	7993	6901	5706	4515	3417	2509	1802	1301	940	690	511	380	284	209	160	124	89
100%	98%	91%	82%	71%	59%	46%	35%	26%	18%	13%	10%	7%	5%	4%	3%	2%	2%	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°
9749	9521	8899	7993	6901	5706	4515	3417	2509	1802	1301	940	690	511	380	284	209	160	124	89
100%	98%	91%	82%	71%	59%	46%	35%	26%	18%	13%	10%	7%	5%	4%	3%	2%	2%	1%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
22.8°	43.5°	61.8°	99.9%	99.4%