

Ultra LB18



Light Efficiency:

30 Lumen/Watt

Light Quality:

CRI: 64.5

Color Temperature:

5099 K

Output: 3877 lm

Peak: 7208 cd

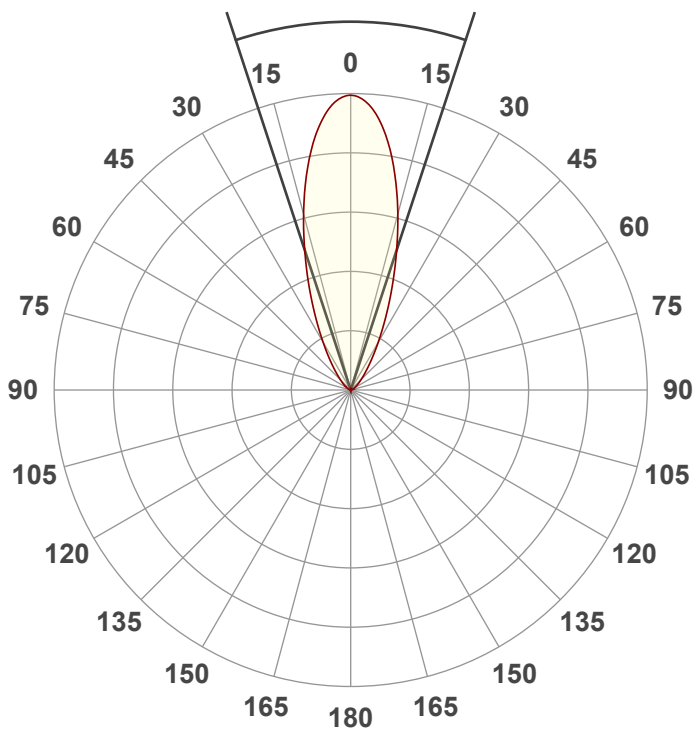
Power: 130.8 W

PF: 1.0



Beam Angle

36.4°



Test:

Full On

Date:

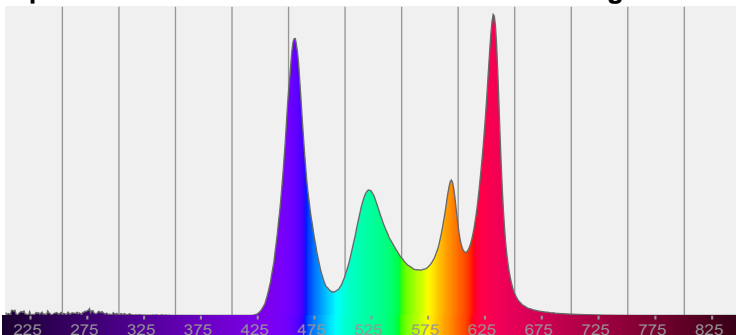
1/12/2023

Note:

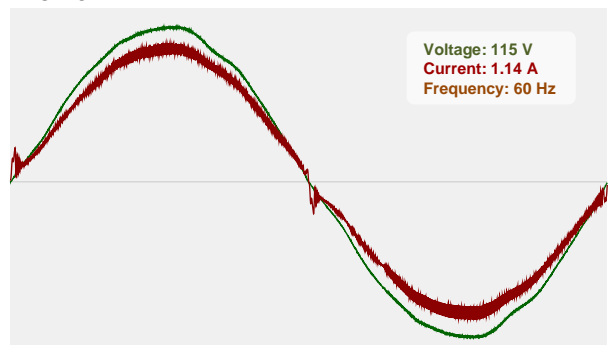
CIE 1931
x: 0.338
y: 0.287

Spectra

Dominant Wavelength: 829nm

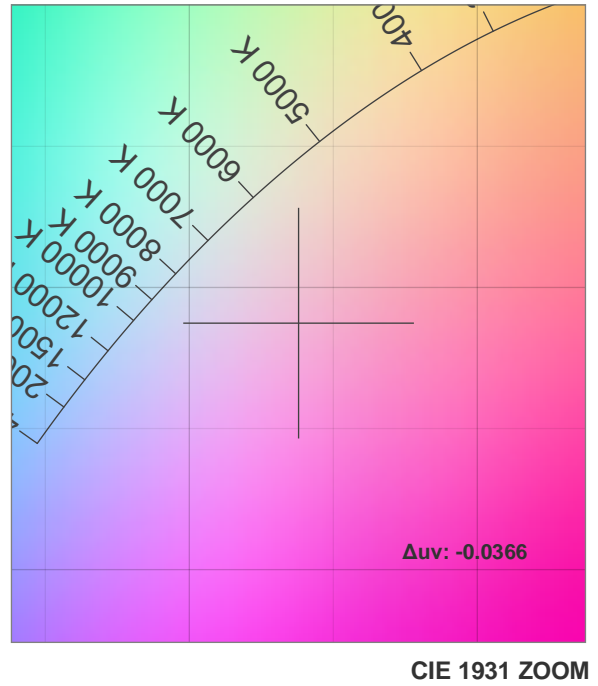
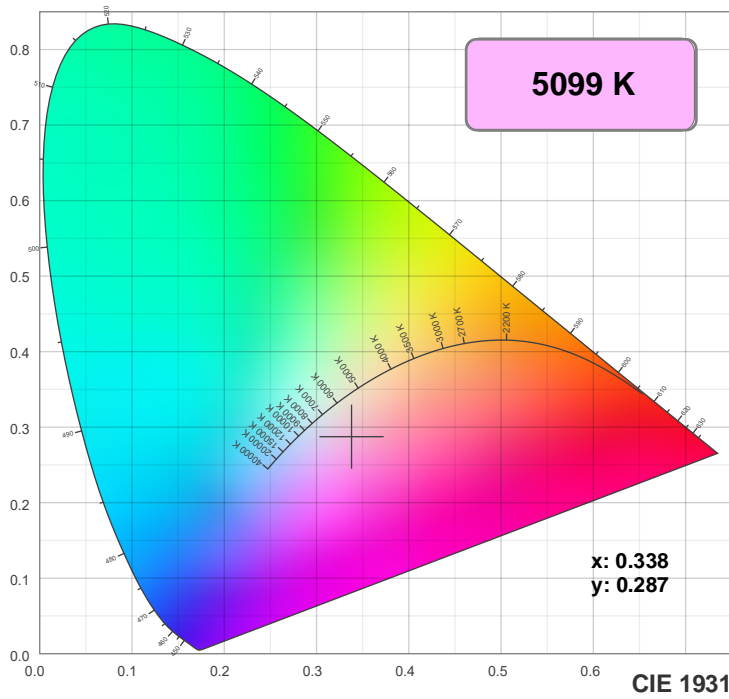


Power

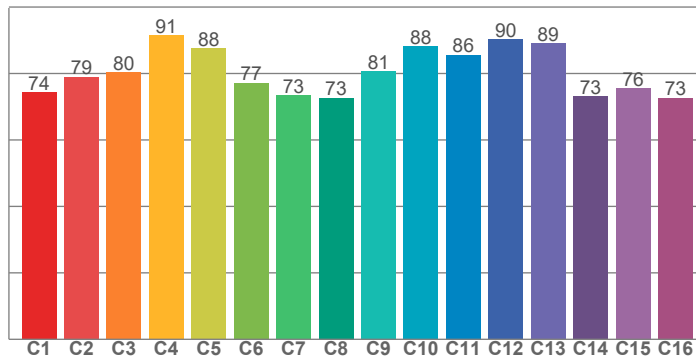


Voltage: 115 V
Current: 1.14 A
Frequency: 60 Hz

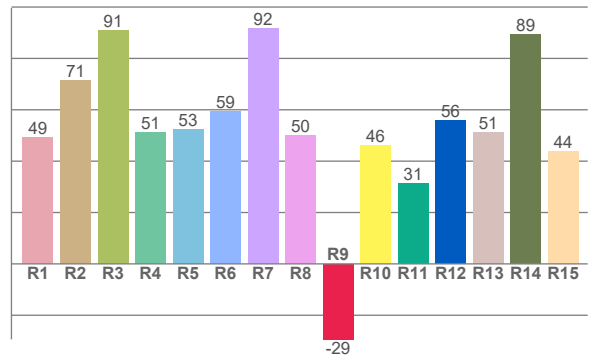
Color Details



TM30: 81.3



CRI: 64.5 (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
49.1	71.5	91.0	51.2	52.5	59.5	91.6	49.9	-29.4	46.2	31.2	56.0	51.1	89.4	44.0

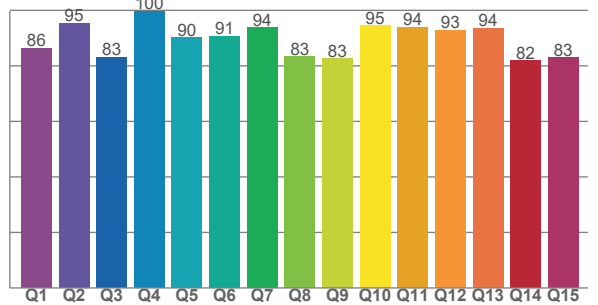
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
74.3	78.9	80.2	91.4	87.5	77.2	73.4	72.7	80.7	88.1	85.6	90.2	89.0	73.1	75.6	72.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.4	95.4	83.2	99.8	90.2	90.7	93.7	83.4	82.6	94.5	93.9	92.9	93.6	81.9	82.9

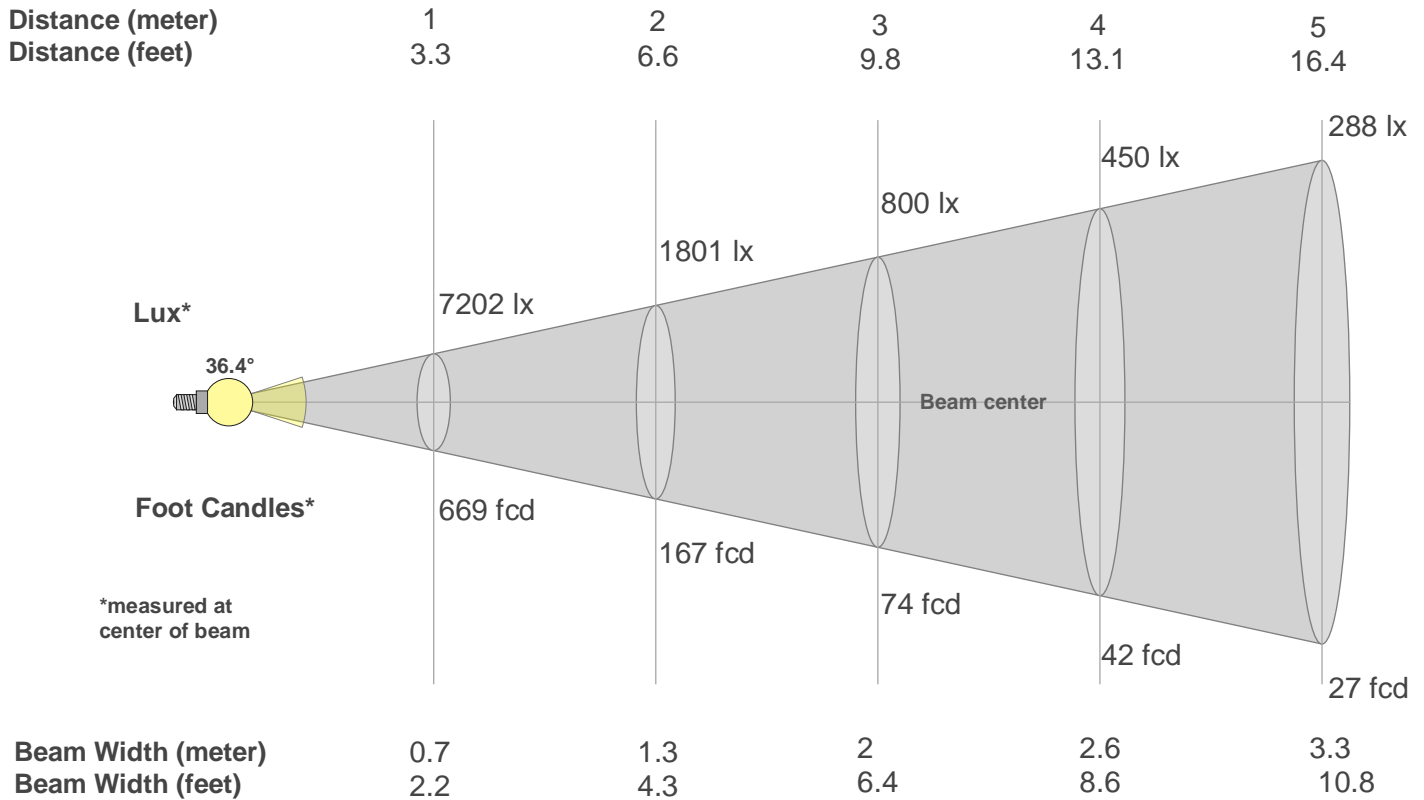
CQS: 88.3



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
5099 K	64.5	-29.4	81.3	118.2	88.3	0.338	0.287	0.234	0.299	-0.0366

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	7202	1801	800	450	288	200	147	113	89	72	60	50	43	37	32	28	25	22	20	18
fcd	669.1	167.3	74.3	41.8	26.8	18.6	13.7	10.5	8.3	6.7	5.5	4.6	4	3.4	3	2.6	2.3	2.1	1.9	1.7

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°
7202	7143	6950	6644	6255	5780	5265	4723	4181	3651	3160	2708	2294	1930	1619	1350	1131	942	784	655
100%	99%	96%	92%	87%	80%	73%	66%	58%	51%	44%	38%	32%	27%	22%	19%	16%	13%	11%	9%

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°
7202	7143	6950	6644	6255	5780	5265	4723	4181	3651	3160	2708	2294	1930	1619	1350	1131	942	784	655
100%	99%	96%	92%	87%	80%	73%	66%	58%	51%	44%	38%	32%	27%	22%	19%	16%	13%	11%	9%

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°
7202	7134	6952	6646	6249	5788	5265	4728	4181	3650	3153	2693	2288	1926	1608	1346	1122	930	779	650
100%	99%	97%	92%	87%	80%	73%	66%	58%	51%	44%	37%	32%	27%	22%	19%	16%	13%	11%	9%

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°
7202	7134	6952	6646	6249	5788	5265	4728	4181	3650	3153	2693	2288	1926	1608	1346	1122	930	779	650
100%	99%	97%	92%	87%	80%	73%	66%	58%	51%	44%	37%	32%	27%	22%	19%	16%	13%	11%	9%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
36.4°	73.8°	107.2°	97.8%	90.8%