

UBL12H



Light Efficiency:

42 Lumen/Watt

Light Quality:

CRI: 91.4

Color Temperature:

6971 K

Output: 2663 lm

Peak: 21184 cd

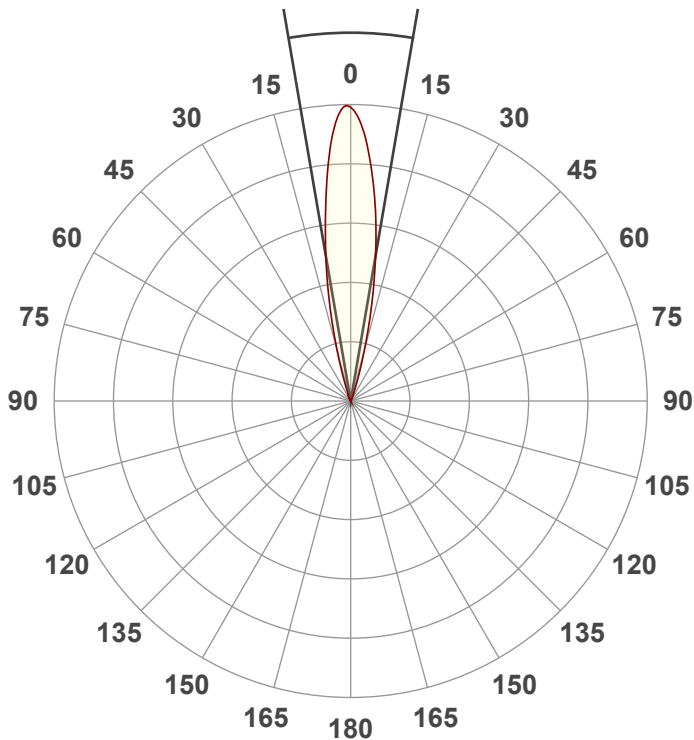
Power: 63.8 W

PF: 0.59



Beam Angle

19.4°



Test:

7000K

Date:

2/6/2024

Note:

@ 178

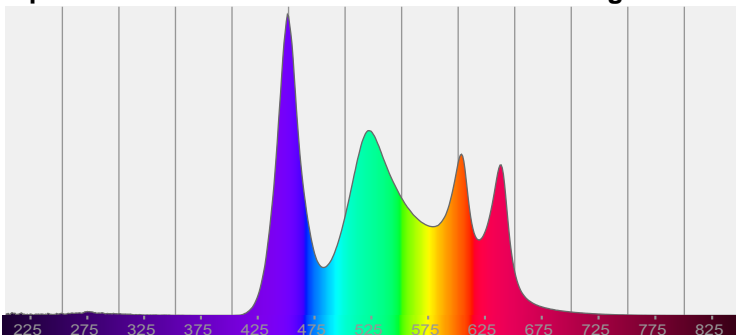
CIE 1931

x: 0.305

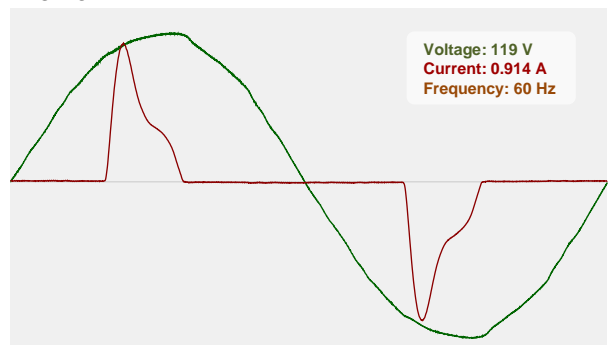
y: 0.327

Spectra

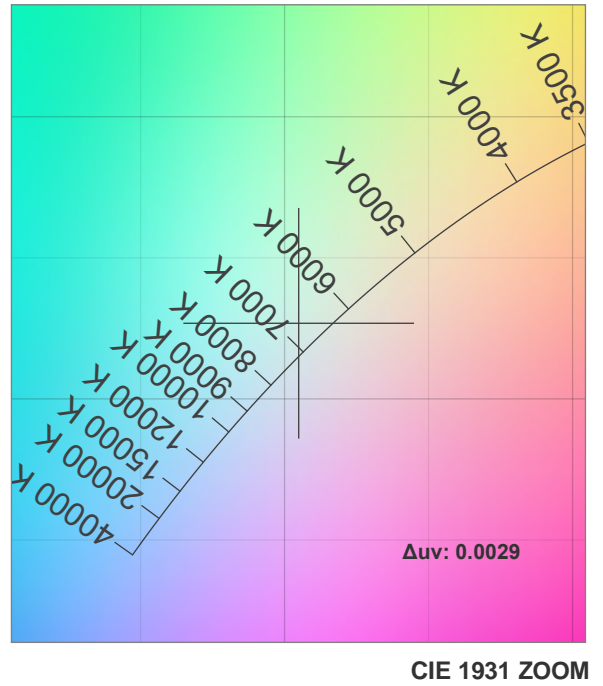
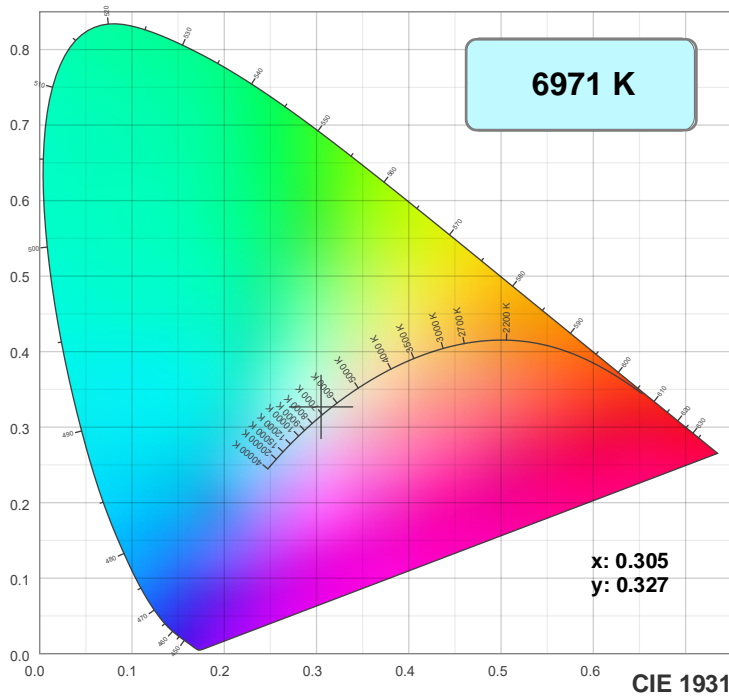
Dominant Wavelength: 488nm



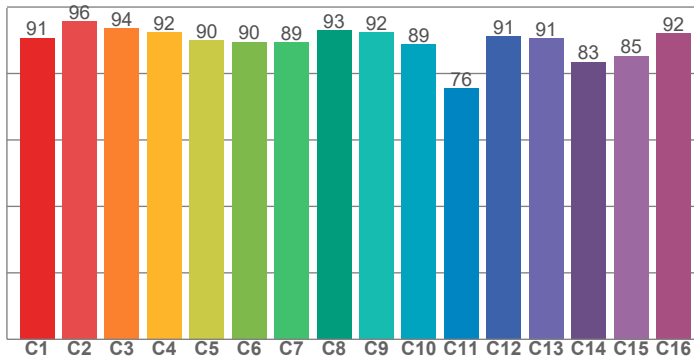
Power



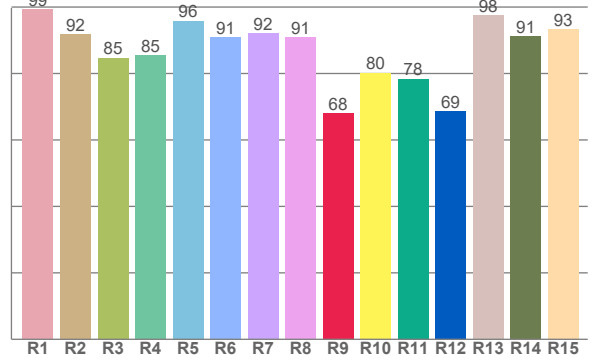
Color Details



TM30: 90.0



CRI: 91.4 (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
99.3	91.8	84.7	85.4	95.9	91.0	92.0	90.9	68.1	80.2	78.4	68.7	97.6	91.2	93.3

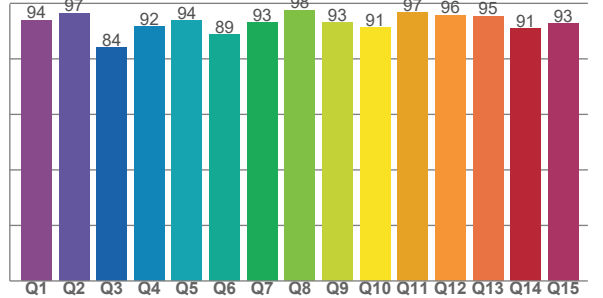
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	95.7	93.5	92.3	90.0	89.5	89.3	92.9	92.4	88.7	75.5	91.1	90.6	83.4	85.3	92.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94.0	96.5	84.1	91.6	93.7	88.7	93.0	97.6	93.1	91.2	96.7	95.8	95.4	90.9	92.7

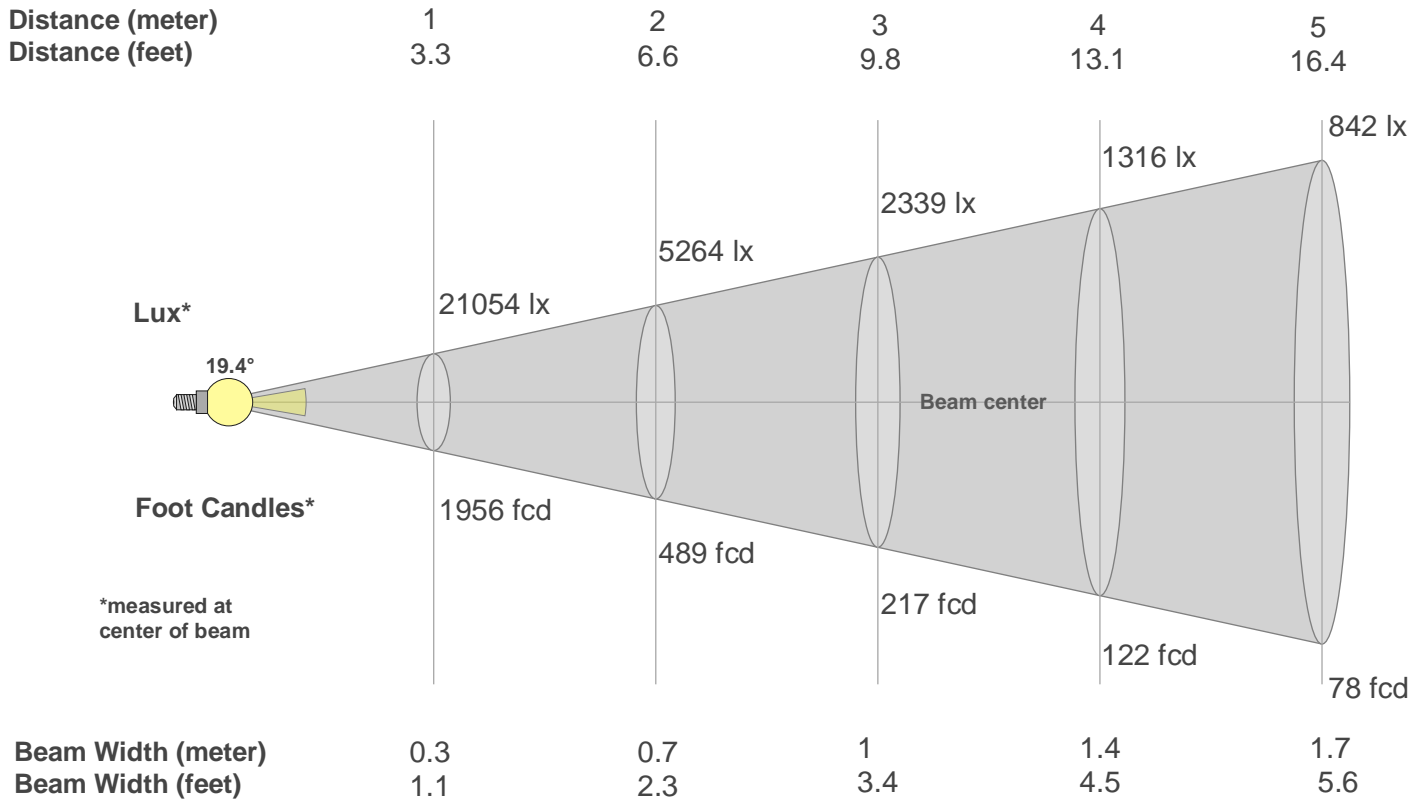
CQS: 92.2



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
6971 K	91.4	68.1	90.0	103.7	92.2	0.305	0.327	0.193	0.311	0.0029

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	21054	5264	2339	1316	842	585	430	329	260	211	174	146	125	107	94	82	73	65	58	53
fcd	1956	489	217.3	122.3	78.2	54.3	39.9	30.6	24.1	19.6	16.2	13.6	11.6	10	8.7	7.6	6.8	6	5.4	4.9

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
21.1K	21.2K	20.8K	20.1K	19.0K	17.7K	16.2K	14.6K	13.1K	11.6K	10.2K	8.8K	7.5K	6.1K	4.9K	3.8K	2.8K	2.0K	1.4K	1.0K
100%	100%	99%	95%	90%	84%	77%	69%	62%	55%	48%	42%	35%	29%	23%	18%	13%	10%	7%	5%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
21.1K	21.2K	20.8K	20.1K	19.0K	17.7K	16.2K	14.6K	13.1K	11.6K	10.2K	8.8K	7.5K	6.1K	4.9K	3.8K	2.8K	2.0K	1.4K	1.0K
100%	100%	99%	95%	90%	84%	77%	69%	62%	55%	48%	42%	35%	29%	23%	18%	13%	10%	7%	5%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
21.1K	20.6K	20.0K	19.1K	18.0K	16.9K	15.6K	14.3K	13.0K	11.6K	10.2K	8.8K	7.5K	6.2K	5.0K	3.9K	3.0K	2.2K	1.6K	1.2K
100%	98%	95%	91%	86%	80%	74%	68%	62%	55%	48%	42%	36%	29%	24%	18%	14%	10%	8%	6%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
21.1K	20.6K	20.0K	19.1K	18.0K	16.9K	15.6K	14.3K	13.0K	11.6K	10.2K	8.8K	7.5K	6.2K	5.0K	3.9K	3.0K	2.2K	1.6K	1.2K
100%	98%	95%	91%	86%	80%	74%	68%	62%	55%	48%	42%	36%	29%	24%	18%	14%	10%	8%	6%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.4°	34°	43°	100.0%	100.0%